



आचार्य नरेन्द्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय,  
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## PLAGIARISM CHECK

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सचिव

**Prof. Rajnish Jain**  
Secretary



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**University Grants Commission**

(मानव संसाधन विकास मंत्रालय, भारत सरकार)  
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6<sup>th</sup> August, 2018

**Dear Sir/Madam,**

In order to put a check on plagiarism and to recommend some institutional mechanism to eliminate the scope of this menace in higher education system in the country, University Grants Commission in its 530<sup>th</sup> meeting held on 20.03.2018 considered and approved the *UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018*. These Regulations have been notified in the Official Gazette of India on 31<sup>st</sup> July, 2018 and are available on UGC website i.e. [www.ugc.ac.in](http://www.ugc.ac.in).

You are requested to put in force these Regulations in your esteemed University and affiliated colleges and ensure compliance of the same.

This may be accorded Top Most Priority.

With kind regards,

Yours sincerely,

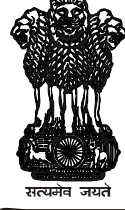
(Rajnish Jain)

**The Vice-Chancellor of all Universities.**

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(Rajnish Jain)



# भारत का राजपत्र The Gazette of India

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अधिसूचना

विश्वविद्यालय अनुदान आयोग (उच्चतर शिक्षा संस्थानों में अकादमिक सत्यनिष्ठा एवं साहित्यिक चोरी की रोकथाम को प्रोत्साहन) विनियम, 2018

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प्रस्तावना

जबकि, विश्वविद्यालय अनुदान आयोग (यूजीसी) अधिनियम, 1956 के अनुसार, उच्च शिक्षा के मानकों को समन्वित एवं सुनिश्चित करने के लिए आदेशाधीन है।

तथा जबकि, किसी छात्र या संकाय या शोधकर्ता या कर्मचारी द्वारा निष्ठात तथा शोध स्तर पर डिग्री प्रदान करने हेतु आंशिक रूप से सम्पादित किया गया कार्य, जिसका अकादमिक एवं शोधकार्य का मूल्यांकन किया जा चुका हो, जो शोध-निबन्ध, शोध-प्रबन्ध, शोध पत्रों के प्रकाशन, पुस्तकों में अध्याय, सम्पूर्ण पुस्तकों के रूप में हो तथा कोई अन्य समरूप कार्य, जो अकादमिक, सत्यनिष्ठा एवं मौलिकता के मूल तत्वों को दर्शाये तथा जिसका उच्चतर शिक्षा संस्थानों (HEIs) द्वारा अपनायी गई विभिन्न संबंधित प्रक्रियाओं में अवलोकन किया जाए।

अतः, वि. अ. आ. अधिनियम 1956 के अनुच्छेद 26 के उप अनुच्छेद (1) के खण्ड (एफ) एवं (जी) के साथ पठित अनुच्छेद 12 के खण्ड (जे) के द्वारा प्रदत्त अधिकारों का प्रयोग करते हुए, वि. अ. आ. ने एतद्वारा निम्नलिखित विनियम निर्मित किए हैं:—

1. संक्षिप्त शीर्षक, अनुप्रयोग तथा प्रारंभ :

- (ए) इन नियमों को, विश्वविद्यालय अनुदान आयोग (उच्चतर शिक्षा संस्थानों में अकादमिक सत्यनिष्ठा एवं साहित्यिक चोरी की रोकथाम को प्रोत्साहन) विनियम 2018 कहा जाएगा।
- (बी) ये विनियम, देश के सभी उच्चतर शिक्षा संस्थानों के छात्रों, संकायों, शोधकर्ताओं तथा कर्मचारियों पर लागू होंगे।
- (सी) ये विनियम, सरकारी राजपत्र में उनकी अधिसूचना की तारीख से प्रभावी होंगे।

**2. परिभाषा:**

इन विनियमों में, जब तक कि प्रसंग में अन्यथा अपेक्षित न हो—

- (ए) “अकादमिक सत्यनिष्ठा” से तात्पर्य, किसी क्रियाकलाप को प्रस्तावित करने, निष्पादित करने, सूचित करने एवं बौद्धिक ईमानदारी से है, जिससे बौद्धिक गुणों का सृजन हो सके।
- (बी) “रचनाकार” रचनाकार के अंतर्गत उच्चतर शैक्षिक संस्थान (HEI) के छात्र या संकाय या शोधकर्ता या कर्मचारी आते हैं जो विचाराधीन कार्य के सृजनकर्ता होते हैं।
- (सी) “आयोग” से अभिप्राय वि. अ. आ. से है, जैसा कि वि. अ. आ. अधिनियम, 1956 में यथापरिभाषित है।
- (डी) “सामान्य ज्ञान” से अभिप्राय, सुप्रसिद्ध तथ्य, उद्धरण, आंकड़ा या जानकारी से है जिसकी अधिकांश व्यक्तियों को जानकारी हो।
- (ई) “डिग्री” से अभिप्राय, वि. अ. आ. द्वारा निर्धारित की गई ऐसी डिग्री से है जो कि वि. अ. आ. अधिनियम 1956 के अनुच्छेद 22 के अंतर्गत सरकारी राजपत्र में अधिसूचित की गई हो।
- (एफ) “विभागीय अकादमिक सत्यनिष्ठा नामसूची” से तात्पर्य होगा विभागीय स्तर पर गठित निकाय, जो साहित्यिक चोरी के आरोपों की जांच पड़ताल करेगा।
- (जी) “संकाय” से तात्पर्य, किसी उच्चतर शिक्षा संस्थान में नामांकित किसी व्यक्ति से है जो छात्रों को शिक्षण तथा/या मार्गदर्शन प्रदान करता हो, चाहे वह किसी भी क्षमता का हो अर्थात् नियमित, तदर्थ, अतिथि, अस्थायी, मुलाकाती आदि।
- (एच) “उच्चतर शिक्षा संस्थान (HEI)” से अभिप्राय ऐसे वि. वि. से है जो वि. अ. आ. अधिनियम, 1956 के अनुच्छेद 2(एफ) के अंतर्गत मान्यताप्राप्त हो या वि. अ. आ. अधिनियम 1956 के अनुच्छेद 3 के अंतर्गत वह संस्थान जो मानित वि. वि. के अंतर्गत आता हो या मान्य महाविद्यालय/संस्थान या किसी वि. वि. की एक संघटक इकाई हो।
- (आई) “सूचना” इसके अंतर्गत आंकड़े, संदेश, पाठ्यवस्तु, आकृतियां, ध्वनि, आवाज, कोड, कम्प्यूटर कार्यक्रम, सॉफ्टवेयर एवं डाटाबेस या माइक्रोफिल्म या कम्प्यूटर सृजित माइक्रोफिश सम्मिलित हैं।
- (जे) “संस्थागत अकादमिक सत्यनिष्ठा नामसूची” से अभिप्राय एक ऐसे निकाय से है जो विभागीय अकादमिक सत्यनिष्ठा नामसूची की सिफारिशों पर विचार करने के लिए तथा साहित्यिक चोरी के आरोपों के बारे में उचित निर्णय लेने तथा दण्ड लागू करने संबंधी निर्णय लेने के लिए संस्थागत स्तर पर गठित किया गया हो। अपवादिक मामलों में यह न्यास संस्थागत स्तर पर साहित्यिक चोरी के आरोपों की जांच करेगा।
- (के) “अधिसूचना” से तात्पर्य, सरकारी राजपत्र में प्रकाशित की गई अधिसूचना से है तथा अधिसूचित करने की अभिव्यक्ति का उसके समानार्थी तथा व्याकरणीय भिन्नता के अनुरूप अनुमान लगाया जाएगा।
- (एल) “साहित्यिक चोरी” से अभिप्राय किसी अन्य के द्वारा किए गए कार्य या विचार को निज प्रयोग में लेना तथा अपने नाम से दूसरे को देना।
- (एम) “पाठ्यक्रम” से तात्पर्य, अध्ययन किया जाने वाला वह पाठ्यक्रम जिसके लिए निष्णात एवं शोध स्तर पर डिग्री प्रदान की जाए।
- (एन) “शोधकर्ता” से तात्पर्य है उच्चतर शैक्षिक संस्थानों में अकादमिक/वैज्ञानिक शोध करने वाला व्यक्ति।
- (ओ) “पाण्डुलिपि” के अंतर्गत शोध-लेख, शोध-निबन्ध, शोध-पत्र, पुस्तकों में अध्याय, सम्पूर्ण पुस्तकें तथा अन्य समान कार्य का मूल्यांकन/अभिमत हेतु जमा किया जाने वाला कार्य जो उच्चतर शिक्षा संस्थान के छात्रों या संकाय या शोधकर्ता या कर्मचारी द्वारा निष्णात एवं शोधस्तर की डिग्रियों को प्राप्त करने या प्रिंट या इलेक्ट्रॉनिक मीडिया में प्रकाशन हेतु तैयार किया जाए। तथापि, इसमें नियत कार्य/आवधिक पत्र/परियोजना रिपोर्ट/पाठ्यक्रम संबंधी कार्य/निबन्ध तथा उत्तर पुस्तिकाएं शामिल नहीं होंगी।
- (पी) “स्रोत” से अभिप्राय, किसी भी स्रोत से किसी भी रूप में प्राप्त की गई प्रकाशित मुख्य एवं गौण अध्ययन सामग्री से है, जिसमें लिखित जानकारी तथा अन्य व्यक्तियों अर्थात् विख्यात विद्वानों, लोकप्रिय हस्तियों, किसी भी प्रकार के पेशेवर व्यक्तियों से प्रत्यक्षतः प्राप्त किये गए दृष्टिकोण को शामिल किया गया हो। इसके अतिरिक्त, इलेक्ट्रॉनिक रूप में आंकड़े एवं सूचना यथा श्रव्य, दृश्य, आकृति या पाठ्यक्रम के रूप में, जिसकी सूचना समान अर्थ में, सूचना प्रौद्योगिकी अधिनियम 2000 के अनुच्छेद 2(1)(V) के अंतर्गत वर्णित है तथा जिसको यहां विनियम 2(1) में पुनः प्रस्तुत किया गया है।

- (क्यू) “कर्मचारी” से तात्पर्य उच्चतर शिक्षा संस्थानों में कार्यरत् गैर-शैक्षणिक कर्मचारी वर्ग से है, जो किसी भी क्षमता अर्थात् नियमित, अस्थायी, अनुबन्धात्मक, बाह्य स्रोत आदि में कार्यरत् हों।
- (आर) “छात्र” से तात्पर्य उस व्यक्ति से है, जिसका विधिवत दाखिला हुआ हो, पाठ्यक्रम का अध्ययन कर रहा हो, जिसमें किसी भी पद्धति (पूर्णकालिक या अंशकालिक या दूरस्थ माध्यम) से अध्ययन करने वाले शोध पाठ्यक्रम को सम्मिलित किया गया है।
- (एस) “विश्वविद्यालय” से अभिप्राय उन विश्वविद्यालयों से है, जो केन्द्रीय अधिनियम, प्रान्तीय अधिनियम या राज्य अधिनियम के अधीन स्थापित अथवा निगमित हैं तथा उनमें वह मानित वि. वि. संस्थान सम्मिलित हैं जो यूजीसी अधिनियम, 1956 के अनुच्छेद (3) के अंतर्गत आते हैं।
- (टी) “वर्ष” से तात्पर्य वह अकादमिक सत्र है, जिसमें प्रमाणित अपराध किया गया हो।  
ऐसे शब्द तथा अभिव्यक्तियाँ, जिन्हें इन विनियमों में परिभाषित नहीं किया गया है, लेकिन वि.अ.आ. अधिनियम, 1956 में परिभाषित हैं तथा इन विनियमों के साथ सुसंगत नहीं हैं उनका इस अधिनियम में निर्दिष्ट तदनु रूप अर्थ लगाया जाएगा।

### 3. उद्देश्य:

- 3.1 शोध, शोध-पत्र, शोध-निबन्ध के दायित्वपूर्ण आचरण, अकादमिक सत्यनिष्ठा के प्रोत्साहन के प्रति जागरूकता पैदा करना, छात्र संकाय, शोधकर्ता एवं कर्मचारी वर्ग में अकादमिक लेखन में साहित्यिक चोरी सहित कदाचार से बचाव करना।
- 3.2 शिक्षण एवं प्रशिक्षण के जरिये, संस्थानात्मक तंत्र स्थापित करना, जिससे शोध, शोध-पत्र शोधनिबन्ध, अकादमिक सत्यनिष्ठा तथा साहित्यिक चोरी के निवारण में प्रोन्नति सहज हो सके।
- 3.3 साहित्यिक चोरी का पता लगाने के लिए पद्धतियाँ विकसित करना तथा साहित्यिक चोरी से बचाव के लिए रचना-तंत्र की स्थापना करना तथा उच्चतर शिक्षा संस्थान के छात्र, संकाय, शोधकर्ता या कर्मचारी को साहित्यिक चोरी का कृत्य करने पर दण्डित करना।

### 4. उच्चतर शिक्षा संस्थान के दायित्व :

प्रत्येक उच्चतर शिक्षा संस्थान को एक ऐसे तंत्र की स्थापना करनी चाहिए जैसा कि इन विनियमों में निर्दिष्ट किया गया है, जो कि शोध एवं अकादमिक कार्यकलापों के दायित्वपूर्ण आचरण के प्रति जागरूकता लाने में संवर्धन करे, साथ ही अकादमिक सत्यनिष्ठा को प्रोन्नत करे तथा साहित्यिक चोरी से बचाव करे।

### 5. जागरूकता कार्यक्रम एवं प्रशिक्षण :

(क) उच्चतर शिक्षा संस्थान, अपने छात्रों, संकायों, शोधकर्ताओं तथा कर्मचारियों को उचित आरोपण के संबंध में अनुदेश देगा, जहाँ कहीं भी आवश्यक हो, लेखक से स्वीकृति की मांग करेगा, आवश्यकतानुसार उन सुसंगत तथा अनुमतिनिर्दिष्ट अनुशासनों के स्रोत की जानकारी प्राप्त करेगा तथा जो नियमों के अनुरूप, अंतर्राष्ट्रीय सम्मेलन तथा स्रोत को नियंत्रित करने वाले विनियमों से संबंधित होंगे।

(ख) उच्चतर शिक्षा संस्थान, प्रत्येक सत्र में सम्मेलन/जागरूकता कार्यक्रमों का सुग्राही संचालन करेगा, जो शोध, शोध-पत्र, शोध-निबन्ध के दायित्वपूर्ण आचरण तथा अकादमिक सत्यनिष्ठा की प्रोन्नति तथा छात्रों, संकायों, शोधकर्ताओं तथा कर्मचारियों के लिए शिक्षा में नैतिकता को बढ़ावा देगा।

(ग) उच्चतर शिक्षा संस्थान, निम्नलिखित कार्यों पर जोर देगा :

- i. एक अनिवार्य पाठ्यक्रम कार्यविधि/माड्यूल के रूप में स्नातकपूर्व (यूजी)/स्नातकोत्तर (पीजी)/निष्णात डिग्री की पाठ्यवस्तु में अकादमिक सत्यनिष्ठा के आधारभूत सिद्धांतों को सम्मिलित करना।
- ii. निष्णात एवं शोधविशेषज्ञों के लिए अनिवार्य पाठ्यक्रम कार्यविधि/माड्यूल के रूप में शोध एवं प्रकाशन के दायित्वपूर्ण आचरण संबंधी मूल तत्वों को सम्मिलित करना।
- iii. उच्चतर शिक्षा संस्थान के संकाय एवं कर्मचारी सदस्यों हेतु अभिमुखी एवं पुनश्चर्या पाठ्यक्रमों को आयोजित करना, शोध एवं प्रकाशन के आधारभूत दायित्वपूर्ण आचरण के तथ्यों को शामिल करना।
- iv. छात्र, संकाय, शोधकर्ता एवं कर्मचारियों को साहित्यिक चोरी का पता लगाने वाले उपकरणों/साधनों तथा संदर्भप्रबन्धन उपकरणों को प्रयुक्त करने का प्रशिक्षण प्रदान करना।
- v. साहित्यिक चोरी का पता लगाने हेतु आधुनिक प्रौद्योगिकियों सहित सुविधा उपकरणों की स्थापना करना।

- vi. अंतर्राष्ट्रीय शोधकर्ताओं की पंजीकरण पद्धतियों पर छात्र, संकाय शोधकर्ता एवं कर्मचारी सदस्य के पंजीकरण को प्रोत्साहित करना।

#### 6. साहित्यिक चोरी पर रोकथाम :

- (ए) उच्चतर शिक्षा संस्थान, उपयुक्त सॉफ्टवेयर प्रयुक्त करते हुए प्रौद्योगिकी आधारित रचनातंत्र की घोषणा एवं कार्यान्वयन करेगा, जिससे यह सुनिश्चित हो सके कि शोध-पत्र, शोध-निबन्ध, प्रकाशन या कोई अन्य दस्तावेज उसकी प्रस्तुति के समय साहित्यिक चोरी से मुक्त हैं।
- (बी) ऊपर (ए) में वर्णित रचनातंत्र, शोधकार्य में संलिप्त सभी छात्रों को उपलब्ध कराया जाएगा जिसमें छात्र, संकाय शोधकर्ता एवं कर्मचारी सदस्य आदि भी सम्मिलित होंगे।
- (सी) प्रत्येक छात्र, जो शोध-पत्र, शोध-निबन्ध या समान दस्तावेज, उच्चतर शिक्षा संस्थान को प्रस्तुत करने जा रहा है, वह एक ऐसा वचन-बंध प्रस्तुत करेगा जिसमें यह दर्शाया जाएगा कि प्रस्तुत दस्तावेज उसके द्वारा तैयार किया गया है तथा यह दस्तावेज उसका मौलिक लेखन कार्य है तथा किसी भी प्रकार की साहित्यिक चोरी से मुक्त है।
- (डी) इस वचन-बंध में यह तथ्य भी शामिल किया जाएगा कि इस दस्तावेज की उच्चतर शिक्षा संस्थान द्वारा साहित्यिक चोरी का पता लगाने वाले उपकरणों के जरिये विधिवत जाँच कर ली गई है।
- (ई) संस्थान, साहित्यिक चोरी के संबंध में एक ऐसी संबंधित नीति का विकास करेगा तथा इससे संबंधित विधायी निकायों/प्राधिकरणों से उसे स्वीकृत कराएगा। स्वीकृत नीति को HEI वेबसाइट के होमपेज पर डाउनलोड किया जाएगा।
- (एफ) प्रत्येक पर्यवेक्षक, एक प्रमाण-पत्र प्रस्तुत करेगा जिसमें यह निर्दिष्ट किया जाएगा कि शोधकर्ता द्वारा किया गया अमुक कार्य, शोधकर्ता के द्वारा तथा मेरे अधीन रहकर किया गया है तथा यह साहित्यिक चोरी से मुक्त है।
- (जी) संस्थान, सभी निष्णात, शोध पाठ्यक्रम के शोध-पत्रों तथा शोध-निबन्धों को, डिग्री प्रदान किए जाने के पश्चात् 1 माह के भीतर 'शोध गंगा ई-रिपोजिटरी' के अंतर्गत डिजीटल रिपोजिटरी को पोषित करने हेतु इनफलीबनेट पर इसकी सॉफ्ट प्रतियां प्रस्तुत करेगा।
- (एच) संस्थान, संस्थानात्मक रिपोजिटरी का संस्थान की वेबसाइट पर सृजन करेगा जिसमें शोध-निबन्ध/शोध-पत्र/पत्र-आलेख/प्रकाशन तथा अन्य आंतरिक (इन-हाउस) प्रकाशनों को भी सम्मिलित करेगा।

#### 7. साहित्यिक चोरी के बहिष्करण हेतु समरूपता रोकथाम :

साहित्यिक चोरी के लिए समानता जांच में निम्नवत वर्जित होंगे :

- सभी अनिवार्य अनुमतियों और/अथवा गुणधर्म के साथ उद्धृत कार्य।
- सभी सदर्थ, पुस्तकसूची, विषयवस्तु की तालिका, आमुख तथा साभार।
- सभी सामान्य शब्दावली, विधि, मानक, चिह्न तथा मानक समीकरण।

#### नोट:

छात्रों, संकाय, शोधकर्ताओं तथा कर्मचारिवृंदों द्वारा किया गया शोधकार्य, मूल विचार पर आधारित होगा, जिसमें केवल संक्षेपण, सारांश, अवधारणा, टिप्पणियां, परिणाम, निष्कर्ष तथा सिफारिशें शामिल होंगी तथा इसमें कोई समानताएं नहीं होंगी। इसमें चौदह (14) क्रमगत शब्दों तक सामान्य ज्ञान अथवा अनुरूप शब्दावली विवर्जित होगी।

#### 8. साहित्यिक चोरी के स्तर :

साहित्यिक चोरी को परिभाषित करने के प्रयोजनार्थ उसकी गंभीरता के बढ़ते क्रम में साहित्यिक चोरी को निम्नवत स्तरों में मापा जाएगा:

- स्तर शून्य : दस प्रतिशत तक समानता— थोड़ी बहुत समानताएं, कोई दण्ड नहीं।
- प्रथम स्तर : दस प्रतिशत से चालीस प्रतिशत तक समानताएं।
- द्वितीय स्तर : चालीस प्रतिशत से साठ प्रतिशत तक समानताएं।
- तृतीय स्तर : साठ प्रतिशत से अधिक समानताएं।

**9. साहित्यिक चोरी का पता लगाना/जानकारी प्रदान करना/कार्यवाही करना :**

यदि शैक्षिक समुदाय का कोई सदस्य उपर्युक्त प्रमाण के साथ संदेह व्यक्त करता है कि किसी दस्तावेज में साहित्यिक चोरी का कोई प्रकरण बनता है, वह इस मामले की जानकारी विभागीय शैक्षिक सत्यनिष्ठा पेनल (डीएआईपी) को देगा। डीएआईपी, ऐसी शिकायत अथवा आरोप की प्राप्ति पर मामले की जांच करेगा तथा उच्चतर शिक्षा संस्थान की संस्थागत शैक्षिक सत्यनिष्ठा नामसूची (आईएआईपी) को अपनी सिफारिशों सौंपेगा।

उच्चतर शिक्षा संस्थान के प्राधिकारी साहित्यिक चोरी के कृत्य का स्वयंमेव संज्ञान भी ले सकते हैं और इन विनियमों के तहत कार्यवाहियां कर सकते हैं। इसी प्रकार, परीक्षक के निष्कर्षों के आधार पर भी उच्चतर शिक्षा संस्थान द्वारा कार्यवाही आरंभ की जा सकती है। ऐसे सभी मामलों की आईएआईपी द्वारा जांच की जाएगी।

**10. विभागीय शैक्षिक सत्यनिष्ठा नामसूची (डीएआईपी) :**

- i. उच्चतर शिक्षा संस्थान के सभी विभाग एक डीएआईपी को अधिसूचित करेंगे जिसकी संरचना नीचे दी गई है:
  - क. अध्यक्ष—विभागाध्यक्ष
  - ख. सदस्य—विभाग से इतर एक वरिष्ठ शिक्षाविद्, जिसे उच्चतर शिक्षा संस्थान के प्रमुख द्वारा नामित किया जाएगा।
  - ग. सदस्य—साहित्यिक चोरी के साधनों से भली-भांति परिचित एक व्यक्ति, जिसे विभागाध्यक्ष द्वारा नामित किया जाएगा।

बिंदु 'ख' तथा 'ग' के संबंध में सदस्यगणों का कार्यकाल दो वर्षों का होगा। बैठक के लिए सदस्यों की गणपूर्ति 3 में से 2 सदस्यों द्वारा होगी (सभापति सहित)।
- ii. डीएआईपी, छात्रों, संकाय, शोधकर्ताओं तथा कर्मचारिवृंदों के विरुद्ध साहित्यिक चोरी के आरोपों के संबंध में निर्णय देते हुए नैसर्गिक न्याय के सिद्धांतों का पालन करेगा।
- iii. डीएआईपी, को साहित्यिक चोरी के स्तरों का मूल्यांकन करने तथा तदनुसार, दण्ड की सिफारिश करने की शक्तियां प्राप्त होंगी।
- iv. शिकायत प्राप्त होने/ कार्यवाहियां आरंभ किए जाने की तिथि से 45 दिनों के भीतर डीएआईपी, जांच उपरांत, अपनी रिपोर्ट सहित लगाए जाने वाले दण्डों पर अपनी सिफारिशों को आईएआईपी को प्रस्तुत करेगी।

**11. संस्थागत शैक्षिक सत्यनिष्ठा पेनल (आईएआईपी) :**

- i. उच्चतर शिक्षा संस्थान, आईएआईपी को अधिसूचित करेंगे जिसकी संरचना नीचे दी गई है :
  - क. अध्यक्ष—उच्चतर शिक्षा संस्थान का सम-कुलपति/संकाय अध्यक्ष/वरिष्ठ शिक्षाविद्।
  - ख. सदस्य—उच्चतर शिक्षा संस्थान के अध्यक्ष द्वारा नामित एक वरिष्ठ शिक्षाविद्।
  - ग. सदस्य—उच्चतर शिक्षा संस्थान से इतर किसी अन्य उच्चतर शिक्षा संस्थान द्वारा नामित किया जाने वाला एक सदस्यगण।
  - घ. सदस्य—साहित्यिक चोरी के साधनों से भली-भांति परिचित एक व्यक्ति, जिसे विभागाध्यक्ष द्वारा नामित किया जाएगा।

एक ही व्यक्ति, डीएआईपी और आईएआईपी का अध्यक्ष नहीं होगा। अध्यक्ष सहित समिति के सदस्यगणों का कार्यकाल 3 वर्षों का होगा। बैठक के लिए सदस्यों की गणपूर्ति 3 में से 2 सदस्यों (सभापति सहित) द्वारा होगी।

- ii. आईएआईपी, डीएआईपी की सिफारिशों पर विचार करेगा।
- iii. आईएआईपी, इन विनियमों में उल्लिखित उपबंधों के अनुसार साहित्यिक चोरी के मामलों की जांच भी करेगा।
- iv. आईएआईपी, उच्चतर शिक्षा संस्थान के छात्रों, संकाय, शोधकर्ताओं तथा कर्मचारिवृंदों के विरुद्ध साहित्यिक चोरी के आरोपों के संबंध में निर्णय देते हुए नैसर्गिक न्याय के सिद्धांतों का पालन करेगा।
- v. आईएआईपी को विधिवत् औचित्य के साथ दण्ड सहित डीएआईपी की सिफारिशों की समीक्षा करने की भी शक्तियां प्राप्त होंगी।
- vi. आईएआईपी जांच उपरांत रिपोर्ट तथा उच्चतर शिक्षा विभाग के प्रमुख द्वारा लगाए जाने वाले दण्ड संबंधी सिफारिशों को डीएआईपी द्वारा शिकायत प्राप्त होने/ कार्यवाहियां आरंभ किए जाने की तिथि से 45 दिनों के भीतर भेजेगा।
- vii. आईएआईपी उस व्यक्ति(यों) को रिपोर्ट की प्रति उपलब्ध कराएगा जिसके विरुद्ध जांच रिपोर्ट प्रस्तुत की गई है।



**12. दण्ड :**

साहित्यिक चोरी के मामले में निष्णात तथा शोध कार्यक्रमों के स्तर पर उच्चतर शिक्षा संस्थान में अध्ययनरत छात्रों तथा उच्चतर शिक्षा के संस्थानों के शोधकर्ताओं, संकाय तथा कर्मचारिवृंदों पर केवल उस स्थिति में ही दण्ड लगाया जाएगा जब बिना किसी संदेह के किसी व्यक्ति विशेष द्वारा शैक्षिक कदाचार किए जाने की पुष्टि हो जाती है और जब अपील के सभी विकल्पों को पूर्णतः उपयोग कर लिया जाता है और जब अमुक व्यक्ति को अपना बचाव करने के लिए स्पष्ट अथवा पारदर्शी पद्धति से पर्याप्त अवसर प्रदान किया गया हो।

**12.1 शोध-प्रबंध (थीसीस) तथा शोध-निबंध (डिसरटेशन) को प्रस्तुत करने के मामले में साहित्यिक चोरी :**

संस्थागत शैक्षिक सत्यनिष्ठा नामसूची (आईएआईपी) साहित्यिक चोरी की गंभीरता पर विचार कर दण्ड आरोपित करेगा :

- i. स्तर शून्य : दस प्रतिशत तक समानताएं— थोड़ी बहुत समानताएं, कोई दण्ड नहीं।
- ii. प्रथम स्तर : दस प्रतिशत से चालीस प्रतिशत तक समानताएं— ऐसे छात्रों को अधिकतम छह माह की विनिर्धारित अवधि के भीतर संशोधित आलेख जमा करने को कहा जाएगा।
- iii. द्वितीय स्तर : चालीस प्रतिशत से साठ प्रतिशत तक समानताएं— ऐसे छात्रों को अधिकतम एक वर्ष की अवधि के लिए संशोधित आलेख जमा करने से वंचित किया जाएगा।
- iv. तृतीय स्तर : साठ प्रतिशत से अधिक समानताएं— ऐसे छात्रों के उस कार्यक्रम के लिए पंजीकरण को रद्द कर दिया जाएगा।

**नोट 1: बार-बार साहित्यिक चोरी करने पर दण्ड :** प्रत्येक छात्र को साहित्यिक चोरी के लिए दण्डित किया जाएगा यदि उसके द्वारा की गई साहित्यिक चोरी पिछली बार की गई साहित्यिक चोरी से एक स्तर अधिक हो। यदि सर्वोच्च स्तर की साहित्यिक चोरी की गई हो तो उसे कारगर दंड दिया जाएगा।

**नोट 2: उस स्थिति में साहित्यिक चोरी जब उपाधि/क्रेडिट पहले ही प्राप्त किया गया हो—** यदि उपाधि/क्रेडिट किए जाने, जैसा भी मामला हो, प्रदान किए जाने की तिथि के बाद में साहित्यिक चोरी सिद्ध हो तो उसकी उपाधि/क्रेडिट को आईएआईपी द्वारा संस्तुत अवधि के लिए आस्थगित रखा जाएगा तथा संस्थान के प्रमुख द्वारा अनुमोदित किया जाएगा।

**12.2 शैक्षिक तथा शोध प्रकाशनों में साहित्यिक चोरी के मामले में दण्ड :**

- I. स्तर शून्य : दस प्रतिशत तक समानताएं— थोड़ी बहुत समानताएं, कोई दण्ड नहीं।
- II. प्रथम स्तर : दस प्रतिशत से चालीस प्रतिशत तक समानताएं—
  - i. ऐसे छात्रों को, पांडुलिपि वापस लेने को कहा जाएगा।
- III. द्वितीय स्तर : चालीस प्रतिशत से साठ प्रतिशत तक समानताएं—
  - i. उन्हें पांडुलिपि वापस लेने को कहा जाएगा।
  - ii. उन्हें एक वार्षिक वेतन वृद्धि के अधिकार से वंचित किया जाएगा।
  - iii. उन्हें दो वर्ष की अवधि के लिए किसी नई निष्णात, एम.फिल., पीएच.डी. छात्र/ विद्वान का पर्यवेक्षण करने की अनुमति नहीं दी जाएगी।
- IV. तृतीय स्तर : साठ प्रतिशत से अधिक समानताएं—
  - i. उन्हें पांडुलिपि वापस लेने को कहा जाएगा।
  - ii. उन्हें लगातार दो वार्षिक वेतन वृद्धि के अधिकार से वंचित किया जाएगा।
  - iii. उन्हें तीन वर्ष की अवधि के लिए किसी नए निष्णात, एम.फिल., पीएच.डी. छात्र/ विद्वान का पर्यवेक्षण करने की अनुमति नहीं दी जाएगी।

**नोट 1: बार-बार साहित्यिक चोरी करने पर दण्ड :** उन्हें पांडुलिपि वापस लेने को कहा जाएगा और उन्हें की गई साहित्यिक चोरी के निम्न स्तर से एक स्तर ऊपर की साहित्यिक चोरी के लिए दण्डित किया जाएगा। यदि की गई साहित्यिक चोरी सर्वोच्च स्तर की हो तो उसके लिए विहित दंड लागू होगा। यदि तृतीय स्तर के दोष की पुनरावृत्ति की गई हो तो उच्चतर शिक्षा संस्थान द्वारा सेवा नियमों के अनुसार निलंबन/सेवा समाप्ति सहित अनुशासनात्मक कार्रवाई की जाएगी।

**नोट 2:** उस स्थिति में दण्ड, जब साहित्यिक चोरी का लाभ अथवा क्रेडिट पहले ही प्राप्त किया गया हो— यदि लाभ अथवा क्रेडिट प्राप्त किए जाने, जैसा भी मामला हो, की तिथि के बाद साहित्यिक चोरी सिद्ध हो तो उसके द्वारा प्राप्त लाभ अथवा क्रेडिट को आईएआईपी द्वारा संस्तुत अवधि के लिए आस्थगित रखा जाएगा तथा संस्थान के प्रमुख द्वारा अनुमोदित किया जाएगा।

**नोट 3 :** उच्चतर शिक्षा संस्थान ऐसा तंत्र विकसित करेंगे ताकि यह सुनिश्चित किया जाए कि छात्र, संकाय, शोधकर्ता अथवा कर्मचारिवृंद द्वारा प्रकाशित किए गए प्रत्येक पत्र/शोध-प्रबंध (थीसीस) तथा शोध-निबंध (डिसरटेशन) को अग्रेषित/ प्रस्तुत किए जाने के समय साहित्यिक चोरी के लिए जांचा जाए।

**नोट 4 :** यदि उच्चतर शिक्षा संस्थान के प्रधान के विरुद्ध साहित्यिक चोरी की कोई शिकायत हो तो, इन विनियमों के अनुरूप उच्चतर शिक्षा संस्थान के नियंत्रण अधिकारी द्वारा उपर्युक्त कार्रवाई की जाएगी।

**नोट 5 :** यदि संस्थागत स्तर पर विभागाध्यक्ष/प्राधिकारियों के विरुद्ध साहित्यिक चोरी की कोई शिकायत हो तो, इन विनियमों के अनुरूप आईएआईपी द्वारा उपयुक्त कार्रवाई की जाएगी जिसे सक्षम अधिकारी द्वारा अनुमोदित किया जाएगा।

**नोट 6 :** यदि डीएआईपी अथवा आईएआईपी के किसी सदस्यगण के विरुद्ध साहित्यिक चोरी की कोई शिकायत हो तो, ऐसा सदस्य ऐसी बैठकों में भाग नहीं लेगा जहां उसके मामले के संबंध में चर्चा की जा रही हो/अथवा जांच की जा रही हो।

### 13. कठिनाइयों का निवारण

विश्वविद्यालय अनुदान आयोग, इन विनियमों के कार्यान्वयन के दौरान सामने आने वाली कठिनाइयों को भारत सरकार/मानव संसाधन विकास मंत्रालय के परामर्श से निवारण करने का अधिकार सुरक्षित रखता है।

प्रो. रजनीश जैन, सचिव

[विज्ञापन-III/4/असा./161/18]

## UNIVERSITY GRANTS COMMISSION NOTIFICATION

### UNIVERSITY GRANTS COMMISSION (PROMOTION OF ACADEMIC INTEGRITY AND PREVENTION OF PLAGIARISM IN HIGHER EDUCATIONAL INSTITUTIONS) REGULATIONS, 2018

New Delhi, the 23rd July, 2018

#### F. 1-18/2010(CPP-II).—

##### Preamble

*Whereas*, University Grants Commission (UGC), as per UGC Act, 1956, is mandated to coordinate and determine the standards of higher education;

*And whereas*, assessment of academic and research work done leading to the partial fulfillment for the award of degrees at Masters and Research level, by a student or a faculty or a researcher or a staff, in the form of thesis, dissertation and publication of research papers, chapters in books, full-fledged books and any other similar work, reflects the extent to which elements of academic integrity and originality are observed in various relevant processes adopted by Higher Educational Institutions (HEIs);

*Therefore*, in exercise of the powers conferred by clause (j) of Section 12 read with clauses (f) and (g) of sub-section (1) of Section 26 of the University Grants Commission Act, 1956, the University Grants Commission hereby makes the following regulations:-

#### 1. Short title, application and commencement –

- These regulations shall be called the University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018.
- They shall apply to the students, faculty, researchers and staff of all Higher Educational Institutions in the country.
- These regulations shall come into force from the date of their notification in the Official Gazette.

**2. Definitions -**

In these regulations, unless the context otherwise requires—

- a. “Academic Integrity” is the intellectual honesty in proposing, performing and reporting any activity, which leads to the creation of intellectual property;
- b. “Author” includes a student or a faculty or a researcher or staff of Higher Educational Institution (HEI) who claims to be the creator of the work under consideration;
- c. “Commission” means the University Grants Commission as defined in the University Grants Commission Act, 1956;
- d. “Common Knowledge” means a well known fact, quote, figure or information that is known to most of the people;
- e. “Degree” means any such degree specified by the University Grants Commission, by notification in the Official Gazette, under section 22 of the University Grants Commission Act, 1956;
- f. “Departmental Academic Integrity Panel” shall mean the body constituted at the departmental level to investigate allegations of plagiarism;
- g. “Faculty” refers to a person who is teaching and/or guiding students enrolled in an HEI in any capacity whatsoever i.e. regular, ad-hoc, guest, temporary, visiting etc;
- h. “Higher Educational Institution (HEI)” means a university recognized under section 2(f) of the UGC Act, 1956 or an institution deemed to be university under section 3 of the UGC Act, 1956 or an affiliating college / institution or a constituent unit of a university;
- i. “Information” includes data, message, text, images, sound, voice, codes, computer programs, software and databases or microfilm or computer generated microfiche;
- j. “Institutional Academic Integrity Panel” shall mean the body constituted at Institutional level to consider recommendations of the departmental academic integrity panel and take appropriate decisions in respect of allegations of plagiarism and decide on penalties to be imposed. In exceptional cases, it shall investigate allegations of plagiarism at the institutional level;
- k. “Notification” means a notification published in the Official Gazette and the expression “notify” with its cognate meanings and grammatical variation shall be construed accordingly;
- l. “Plagiarism” means the practice of taking someone else’s work or idea and passing them as one’s own.
- m. “Programme” means a programme of study leading to the award of a masters and research level degree;
- n. “Researcher” refers to a person conducting academic / scientific research in HEIs;
- o. “Script” includes research paper, thesis, dissertation, chapters in books, full-fledged books and any other similar work, submitted for assessment / opinion leading to the award of master and research level degrees or publication in print or electronic media by students or faculty or researcher or staff of an HEI; however, this shall exclude assignments / term papers / project reports / course work / essays and answer scripts etc.;
- p. “Source” means the published primary and secondary material from any source whatsoever and includes written information and opinions gained directly from other people, including eminent scholars, public figures and practitioners in any form whatsoever as also data and information in the electronic form be it audio, video, image or text; Information being given the same meaning as defined under Section 2 (1) (v) of the Information Technology Act, 2000 and reproduced here in Regulation 2 (l);
- q. “Staff” refers to all non-teaching staff working in HEIs in any capacity whatsoever i.e. regular, temporary, contractual, outsourced etc.;
- r. “Student” means a person duly admitted and pursuing a programme of study including a research programme in any mode of study (full time or part-time or distance mode);
- s. “University” means a university established or incorporated by or under a Central Act, a Provincial Act or a State Act, and includes an institution deemed to be university under section 3 of the UGC Act, 1956;
- t. “Year” means the academic session in which a proven offence has been committed.

Words and expressions used and not defined in these regulations but defined in the University Grants Commission Act, 1956 shall have the meanings respectively assigned to them in UGC Act, 1956.

**3. Objectives**

- 3.1 To create awareness about responsible conduct of research, thesis, dissertation, promotion of academic integrity and prevention of misconduct including plagiarism in academic writing among student, faculty, researcher and staff.
- 3.2 To establish institutional mechanism through education and training to facilitate responsible conduct of research, thesis, dissertation, promotion of academic integrity and deterrence from plagiarism.
- 3.3 To develop systems to detect plagiarism and to set up mechanisms to prevent plagiarism and punish a student, faculty, researcher or staff of HEI committing the act of plagiarism.

**4. Duties of HEI:**

Every HEI should establish the mechanism as prescribed in these regulations, to enhance awareness about responsible conduct of research and academic activities, to promote academic integrity and to prevent plagiarism.

**5. Awareness Programs and Trainings:**

- (a) HEI shall instruct students, faculty, researcher and staff about proper attribution, seeking permission of the author wherever necessary, acknowledgement of source compatible with the needs and specificities of disciplines and in accordance with rules, international conventions and regulations governing the source.
- (b) HEI shall conduct sensitization seminars/ awareness programs every semester on responsible conduct of research, thesis, dissertation, promotion of academic integrity and ethics in education for students, faculty, researcher and staff.
- (c) HEI shall :
  - i. Include the cardinal principles of academic integrity in the curricula of Undergraduate (UG)/Postgraduate (PG)/Master's degree etc. as a compulsory course work/module.
  - ii. Include elements of responsible conduct of research and publication ethics as a compulsory course work/module for Masters and Research Scholars.
  - iii. Include elements of responsible conduct of research and publication ethics in Orientation and Refresher Courses organized for faculty and staff members of the HEI.
  - iv. Train student, faculty, researcher and staff for using plagiarism detection tools and reference management tools.
  - v. Establish facility equipped with modern technologies for detection of plagiarism.
  - vi. Encourage student, faculty, researcher and staff to register on international researcher's Registry systems.

**6. Curbing Plagiarism**

- a) HEI shall declare and implement the technology based mechanism using appropriate software so as to ensure that documents such as thesis, dissertation, publications or any other such documents are free of plagiarism at the time of their submission.
- b) The mechanism as defined at (a) above shall be made accessible to all engaged in research work including student, faculty, researcher and staff etc.
- c) Every student submitting a thesis, dissertation, or any other such documents to the HEI shall submit an undertaking indicating that the document has been prepared by him or her and that the document is his/her original work and free of any plagiarism.
- d) The undertaking shall include the fact that the document has been duly checked through a Plagiarism detection tool approved by the HEI.
- e) HEI shall develop a policy on plagiarism and get it approved by its relevant statutory bodies/authorities. The approved policy shall be placed on the homepage of the HEI website.
- f) Each supervisor shall submit a certificate indicating that the work done by the researcher under him / her is plagiarism free.
- g) HEI shall submit to INFLIBNET soft copies of all Masters, Research program's dissertations and thesis within a month after the award of degrees for hosting in the digital repository under the "Shodh Ganga e-repository".
- h) HEI shall create Institutional Repository on institute website which shall include dissertation / thesis / paper / publication and other in-house publications.

### 7. Similarity checks for exclusion from Plagiarism

The similarity checks for plagiarism shall exclude the following:

- i. All quoted work reproduced with all necessary permission and/or attribution.
- ii. All references, bibliography, table of content, preface and acknowledgements.
- iii. All generic terms, laws, standard symbols and standards equations.

#### Note:

The research work carried out by the student, faculty, researcher and staff shall be based on original ideas, which shall include abstract, summary, hypothesis, observations, results, conclusions and recommendations only and shall not have any similarities. It shall exclude a common knowledge or coincidental terms, up to fourteen (14) consecutive words.

### 8. Levels of Plagiarism

Plagiarism would be quantified into following levels in ascending order of severity for the purpose of its definition:

- i. Level 0: Similarities upto 10% - Minor similarities, no penalty
- ii. Level 1: Similarities above 10% to 40%
- iii. Level 2: Similarities above 40% to 60%
- iv. Level 3: Similarities above 60%

### 9. Detection/Reporting/Handling of Plagiarism

If any member of the academic community suspects with appropriate proof that a case of plagiarism has happened in any document, he or she shall report it to the Departmental Academic Integrity Panel (DAIP). Upon receipt of such a complaint or allegation the DAIP shall investigate the matter and submit its recommendations to the Institutional Academic Integrity Panel (IAIP) of the HEI.

The authorities of HEI can also take *suomotu* notice of an act of plagiarism and initiate proceedings under these regulations. Similarly, proceedings can also be initiated by the HEI on the basis of findings of an examiner. All such cases will be investigated by the IAIP.

### 10. Departmental Academic Integrity Panel (DAIP)

- i. All Departments in HEI shall notify a DAIP whose composition shall be as given below:
  - a. Chairman - Head of the Department
  - b. Member - Senior academician from outside the department, to be nominated by the head of HEI.
  - c. Member - A person well versed with anti plagiarism tools, to be nominated by the Head of the Department.

The tenure of the members in respect of points 'b' and 'c' shall be two years. The quorum for the meetings shall be 2 out of 3 members (including Chairman).
- ii. The DAIP shall follow the principles of natural justice while deciding about the allegation of plagiarism against the student, faculty, researcher and staff.
- iii. The DAIP shall have the power to assess the level of plagiarism and recommend penalty(ies) accordingly.
- iv. The DAIP after investigation shall submit its report with the recommendation on penalties to be imposed to the IAIP within a period of 45 days from the date of receipt of complaint / initiation of the proceedings.

### 11. Institutional Academic Integrity Panel (IAIP)

- i. HEI shall notify a IAIP whose composition shall be as given below:
  - a. Chairman - Pro-VC/Dean/Senior Academician of the HEI.
  - b. Member - Senior Academician other than Chairman, to be nominated by the Head of HEI.
  - c. Member - One member nominated by the Head of HEI from outside the HEI
  - d. Member - A person well versed with anti-plagiarism tools, to be nominated by the Head of the HEI.

The Chairman of DAIP and IAIP shall not be the same. The tenure of the Committee members including Chairman shall be three years. The quorum for the meetings shall be 3 out of 4 members (including Chairman).

- ii. The IAIP shall consider the recommendations of DAIP.
- iii. The IAIP shall also investigate cases of plagiarism as per the provisions mentioned in these regulations.

- iv. The IAIP shall follow the principles of natural justice while deciding about the allegation of plagiarism against the student, faculty, researcher and staff of HEI.
- v. The IAIP shall have the power to review the recommendations of DAIP including penalties with due justification.
- vi. The IAIP shall send the report after investigation and the recommendation on penalties to be imposed to the Head of the HEI within a period of 45 days from the date of receipt of recommendation of DAIP/ complaint / initiation of the proceedings.
- vii. The IAIP shall provide a copy of the report to the person(s) against whom inquiry report is submitted.

## 12. Penalties

Penalties in the cases of plagiarism shall be imposed on students pursuing studies at the level of Masters and Research programs and on researcher, faculty & staff of the HEI only after academic misconduct on the part of the individual has been established without doubt, when all avenues of appeal have been exhausted and individual in question has been provided enough opportunity to defend himself or herself in a fair or transparent manner.

### 12.1 Penalties in case of plagiarism in submission of thesis and dissertations

Institutional Academic Integrity Panel (IAIP) shall impose penalty considering the severity of the Plagiarism.

- i. **Level 0: Similarities upto 10%** - Minor Similarities, no penalty.
- ii. **Level 1: Similarities above 10% to 40%** - Such student shall be asked to submit a revised script within a stipulated time period not exceeding 6 months.
- iii. **Level 2: Similarities above 40% to 60%** - Such student shall be debarred from submitting a revised script for a period of one year.
- iv. **Level 3: Similarities above 60%** -Such student registration for that programme shall be cancelled.

**Note 1: Penalty on repeated plagiarism-** Such student shall be punished for the plagiarism of one level higher than the previous level committed by him/her. In case where plagiarism of highest level is committed then the punishment for the same shall be operative.

**Note 2: Penalty in case where the degree/credit has already been obtained** - If plagiarism is proved on a date later than the date of award of degree or credit as the case may be then his/her degree or credit shall be put in abeyance for a period recommended by the IAIP and approved by the Head of the Institution.

### 12.2 Penalties in case of plagiarism in academic and research publications

- I. **Level 0: Similarities up to 10%** - Minor similarities, no penalty.
- II. **Level 1: Similarities above 10% to 40%**
  - i) Shall be asked to withdraw manuscript.
- III. **Level 2: Similarities above 40% to 60%**
  - i) Shall be asked to withdraw manuscript.
  - ii) Shall be denied a right to one annual increment.
  - iii) Shall not be allowed to be a supervisor to any new Master's, M.Phil., Ph.D. Student/scholar for a period of two years.
- IV. **Level 3: Similarities above 60%**
  - i) Shall be asked to withdraw manuscript.
  - ii) Shall be denied a right to two successive annual increments.
  - iii) Shall not be allowed to be a supervisor to any new Master's, M.Phil., Ph.D. Student/scholar for a period of three years.

**Note 1: Penalty on repeated plagiarism** - Shall be asked to withdraw manuscript and shall be punished for the plagiarism of one level higher than the lower level committed by him/her. In case where plagiarism of highest level is committed then the punishment for the same shall be operative. In case level 3 offence is repeated then the disciplinary action including suspension/termination as per service rules shall be taken by the HEI.

**Note 2: Penalty in case where the benefit or credit has already been obtained** - If plagiarism is proved on a date later than the date of benefit or credit obtained as the case may be then his/her benefit or credit shall be put in abeyance for a period recommended by IAIP and approved by the Head of the Institution.

**Note 3:** HEIs shall create a mechanism so as to ensure that each of the paper publication/thesis/dissertation by the student, faculty, researcher or staff of the HEI is checked for plagiarism at the time of forwarding/submission.

**Note 4:** If there is any complaint of plagiarism against the Head of an HEI, a suitable action, in line with these regulations, shall be taken by the Controlling Authority of the HEI.

**Note 5:** If there is any complaint of plagiarism against the Head of Department/Authorities at the institutional level, a suitable action, in line with these regulations, shall be recommended by the IAIP and approved by the Competent Authority.

**Note 6:** If there is any complaint of plagiarism against any member of DAIP or IAIP, then such member shall excuse himself / herself from the meeting(s) where his/her case is being discussed/investigated.

### **13. Removal of Difficulty**

UGC reserves the right to remove difficulty/difficulties in the course of implementations of these Regulations in consultation with the Government of India/ Ministry of Human Resource Development.

Prof. RAJNISH JAIN, Secy.

[ADVT.-III/4/Exty./161/18]

RAKESH  
SUKUL

Digitally signed by  
RAKESH SUKUL  
Date: 2018.07.31 22:44:34  
+05'30'

## कार्यवृत्ति :-

दिनांक 24.07.2021 को माननीय कुलपति महोदय की अध्यक्षता में पी0जी0 एवं पी0एच0डी0 छात्रों द्वारा थीसिस जमा करते समय Plagiarism निर्धारित करने हेतु माननीय कुलपति महोदय के सभाकक्ष में बैठक आहूत की गयी जिसमें निम्नलिखित शिक्षक/वैज्ञानिक उपस्थित हुए।

- 1- डा0 विजेन्द्र सिंह, माननीय कुलपति ।
- 2- डा0 वेद प्रकाश, डीन, पी0जी0एस0।
- 3- डा0 वी0एन0राय, अधिष्ठाता, कृषि, कृषि महाविद्यालय।
- 4- डा0 आर0के0जोशी, अधिष्ठाता, पशुचिकित्सा एवं पशुपालन महाविद्यालय।
- 5- डा0 ओ0पी0राव, अधिष्ठाता, उद्यान एवं वानिकी महाविद्यालय।
- 6- डा0 आर0के0 मेहता, अधिष्ठाता, महामाया कृषि अभियांत्रिकी महाविद्यालय, अम्बेडकर नगर।
- 7- डा0 नमिता जोशी, अधिष्ठाता, सामुदायिक विज्ञान महाविद्यालय।
- 8- डा0 पी0एस0 प्रमानिक, अधिष्ठाता, मात्स्यकीय महाविद्यालय
- 9- डा0 चन्द्र शेखर, पुस्तकालयाध्यक्ष।
- 10- डा0 जशवन्त सिंह, कुलपति के सचिव।
- 11- डा0 आदेश कुमार, तकनीकी सहायक, डीन, पी0जी0एस0।

उक्त बैठक में निम्नलिखित निर्णय लिये गये :-

क्र0सं0	थीसिस चैप्टर का नाम	Plagiarism की निर्धारित अधिकतम सीमा (प्रतिशत में)
1.	Introduction	10%
2.	Review of Literature	70%
3.	Materials and Methods	80%
4.	Results and Discussion	10%
5.	Summary and Conclusions	10%

24/07/21  
(वेद प्रकाश)  
अधिष्ठाता  
परास्नातक अध्ययन





**Acharya Narendra Deva University of Agriculture  
& Technology, Kumarganj, Ayodhya-224229 (U.P.)  
NEHRU LIBRARY**

No. 380/NL/2020

Date: 05/02/2020

To,

The Hon'ble Director  
INFLIBNET Center,  
An IUC of University Grants Commission,  
Infocity, Gandhinagar – 382007

**SUBJECT: Regarding URKUND Plagiarism Detection Software**

**Th: Proper channel**

Sir

We want to access **URKUND Plagiarism Detection Software** in our University. Our Institute is already registered in your system SodhSudhi. So please provide our Institute ID and Password in this Email ID ([nehrulibrary2020@gmail.com](mailto:nehrulibrary2020@gmail.com)) because this is our working official email. For this, the following person will work as coordinator from our University:

**Name: Dr. P.S. Pramanik**  
**Designation: Prof. & OIC Library**  
**Mobile No: 09454268993**  
**Email ID: pramanikps@gmail.com**

This is for your kind necessary action at your end.

Thanking you.

Forwarded.

*P Singh*  
5-2-2020

Registrar  
A.N.D. Univ. of Agril & Tech.  
Kumarganj, Ayodhya

*P.S. Pramanik*  
Dr. P.S. Pramanik

## STEPS FOR OUR ORIGINAL/PLAGIARISM DETECTION

- GO TO <https://www.ouriginal.com/> > LOGIN

OR

- GO TO <https://www.ouriginal.com/login/>
- CLICK ON LOGIN TO WEBINOX (GLOBAL) LINK AND NOT TO ANY OTHER OPTIONS



YOU WILL GET A SCREEN LIKE THIS

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SIGN IN VIA INSTITUTION

### FILL YOUR EMAIL REGISTERED

Enter your login credentials here

Remember Me

SIGN IN

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CLICK HERE TO RESET PASSWORD

## LOGIN

## AFTER LOGIN

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by Turnitin

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1 - 1 < >

Name	Similarity	Submission ID	Date Up
awareness.doc Dr S K Maurya		D140976617	today at

**CLICK ON CREATE/UPLOAD THEN UPLOAD FILES (AS SHOWN IN IMAGE)**

- **AFTER SELECTING FILE TO UPLOAD YOU WILL GET A SCREEN LIKE THIS**

**File Upload**

Analysis Address \*

Select... ▼

Subject

Message

CANCEL    UPLOAD FILE

- **NOW SELECT ANALYSIS ADDRESS FROM DROP DOWN MENU AND CLICK ON UPLOAD FILE**
- **YOUR FILE IS UPLOADED FOR ANALYSIS**
- **ANALYSIS WILL COME TO YOUR EMAIL/ CAN BE SEEN IN AT THE PLACE OF UPLOADING (YOUR LOGIN PANEL AT OUR ORIGINAL) AFTER 8-10 MINUTES**



ShodhShuddhi

to Me

20 Jul, 2:08 pm



Dear Sir/Madam,

As per your request, the **PDS-ShodhShuddhi portal: 'Coordinator Login'** password has been reset. Please login to your account with the new password as mentioned below:

- **Institute Name:** Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya Ayodhya
- **Username:** PDS-I-2019-677 (**Case-Sensitive**)
- **Password:** 463147 (**change password on first time login**)
- **Weblink:** <https://pds.inflibnet.ac.in/vlogin.php>

**Note:** This **PDS-ShodhShuddhi** portal is maintained by **INFLIBNET Centre** that updates PDS data daily. This web-portal facilitates **University Coordinators (UC)** to monitor their usages and data like current **No. of Faculty, No. of Research Scholars, Other Users, Remaining Documents** in the CAP, **UC** details, etc. This credential is different from **OURIGINAL** (formerly **URKUND**) credentials, the web-portal does not allow you to check **similarity/plagiarism** in **OURIGINAL**. If you don't have **OURIGINAL- Admin Panel** credentials please



# Unit U5891 - Acharya Narendra Deva Uni of Agriculture & Tech

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Change



OrganizationLevels



Statistics ▼

+ Invite to create User Accounts

+ Create analysis addresses and send invite to Web inbox

+ Whitelisting

Properties

**Id**

U5891

**Name**

Acharya Narendra Deva  
Uni of Agriculture & Tech

**Emailsuffix**

.nduatf@analysis.urkund.com

**Organization**

02962 - Inflibnet India  
Nationwide

**Account**

AC29852 - Acharya  
Narendra Deva Uni of  
Agriculture & Tech

**Contact person**

Dr. S. K. Maurya

## Welcome **PDS-I-2019-677**

### Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya

Address: Kumarganj

Website: <https://www.nduat.org/>

AISHE Code: U-0531

Est. Year: 1975

### Coordinator Details

Name: Dr S K Maurva

Designation: Incharge Nehru Library

Email: [skmaurya@yahoo.com](mailto:skmaurya@yahoo.com)

Contact No: 9415720187

### Any Request

To Update Faculty And Research  
Scholars' Details

To Update Coordinator Details

119

Activated Users



### Dashboard - DC10

Export table to CSV    Export unit document usage

Properties

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**Created** 01/09/2019 00:00:00  
**Cap** 3200000  
**Characters** 60000

Filter

Segments

Types

Update

Units: 1  
 Submissions: 5233  
 Users: 119

### Document distribution

Show  entries

Search:

Id	Start Date	End Date	Unit Id	Segment	Name	Allocated documents	Remaining	Current Usage	Receivers	Submitters
4594	2022-03-26T00:00:00	2023-03-25T00:00:00	U5891	State	Acharya Narendra Deva Uni of Agriculture & Tech	5350	117	5233	119	1





**Shodh शुद्धि**  
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## Institute Dashboard

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Welcome **PDS-I-2019-677**

### Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya

- 📍 Address: Kumarganj
- 🌐 Website: <https://www.nduat.org/>
- 📄 AISHE Code: U-0531
- 📅 Est. Year: 1975

## Unit U5891 - Acharya Narendra Deva Uni of Agriculture & Tech

[Change](#) [OrganizationLevels](#) [+ Invite to create User Accounts](#) [+ Create analysis addresses and send invite to Web inbox](#) [+ Whitelisting](#) [Statistics ▾](#)

<b>Properties</b>			
<b>Id</b>	U5891	<b>Contact person</b>	Dr. S. K. Maurya
<b>Name</b>	Acharya Narendra Deva Uni of Agriculture & Tech	<b>Email</b>	skmaurya@yahoo.com
<b>Emailsuffix</b>	.nduatf@analysis.orkund.com	<b>Phonenumber</b>	9415720187
<b>Organization</b>	O2962 - Infibnet India Nationwide	<b>Language</b>	English (US)
<b>Account</b>	AG29652 - Acharya Narendra Deva Uni of Agriculture & Tech		

Document Cap Dashboard  
Documents remaining  
Used documents

### Receivers

Show  entries Search:

## Welcome **PDS-I-2019-677**

### Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya

- Address: Kumarganj
- Website: <https://www.nduat.org/>
- AISHE Code: U-0531
- Est. Year: 1975

#### Coordinator Details

- Name: Dr S K Maurya
- Designation: Incharge Nehru Library
- Email: [skmaurya@yahoo.com](mailto:skmaurya@yahoo.com)
- Contact No: 9415720187

#### Any Request

[To Update Faculty And Research Scholars' Details](#)[To Update Coordinator Details](#)



नरेन्द्र देव कृषि एवं प्रौद्योगिकी विश्वविद्यालय  
कुमारगंज- 224229, फैजाबाद, (उप्र), भारत



*Department of Livestock  
Production Management*  
College of Veterinary Science and A. H.  
A.N. D.U.A.&T., Kumarganj-224 229  
Ayodhya, (U.P.), INDIA

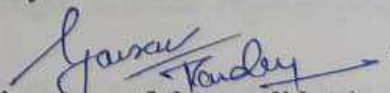
**CERTIFICATE-III  
DECLARATION FOR ANTI-PLAGIARISM**

I Gaurav Panday, Id. No. V-5098/10/15/17 certify that the thesis entitled "Effects of Additives mixture Neem (*Azadirachta indica*), Amla (*Emblica officinalis*) and Black Cumin (*Nigella sativa*) on performance in broiler chickens." submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Livestock Production Management to the College of Veterinary Science and Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

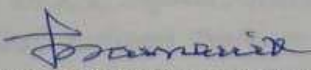
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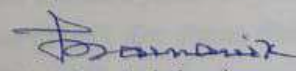
Date: 02/08/2021

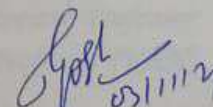
  
(Signature of the candidate)

**CERTIFICATE FROM THE MAJOR ADVISOR**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

  
(Major Advisor)

  
Dean, 05/11/21

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Dr. Vijendra Kumar Pal, Id. No. V-10626/18 certify that the thesis entitled "Molecular characterization and Sero-prevalence studies on equine haemoprotozoan diseases with special reference to *Trypanosoma evansi*" submitted in partial fulfillment of the requirements for the degree of Ph.D. in Veterinary Parasitology to the College of Veterinary Science & Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

(Signature of the candidate)

Date: 22/07/21

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

(Major Advisor)

Head of the Department

Dean



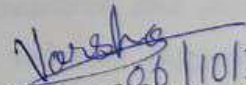
# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I Varsha Verma, Id. No.- V 8360/14/19 certify that the thesis entitled "Efficacy of *Moringa* Leaf Powder on Storage Quality of Chicken Nuggets under Refrigeration Condition" submitted for the degree of "Master of Veterinary Science" submitted in partial fulfillment of the requirements for the degree of M.V.Sc. in **Livestock Products Technology** to the College of Veterinary Science and Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya


  
06/10/21  
(Signature of the candidate)

Date:

## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
06/10/2021  
(Major Advisor)

  
Head of the Department

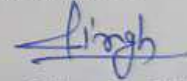
  
Dean

### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, **Shailendra Kumar Singh**, Id. No. **V-11217/19** certifies that the thesis entitled "**Effect of Ginger & Garlic Supplements on the performance of broiler chickens**" submitted in partial fulfilment of the requirements for the degree of **M.V.Sc. in Livestock Production Management** to the college of Veterinary Science and Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not wilfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.



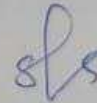
(Signature of the candidate)

Place: Kumarganj, Ayodhya

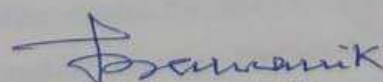
Date: 16-08-2021

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.



(Major Advisor)



Head of the Department



Dean

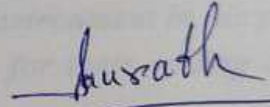
## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Saurabh Kumar Tripathi, Id. No V-11212/19 certify that the thesis entitled "Development of caprine rumen and reticulum derived extracellular matrices using fruit pericarp extract of *Sapindus mukorossi*" submitted in partial fulfillment of the requirements for the degree of M.V.Sc. in Veterinary Surgery and Radiology to the College of Veterinary Science and Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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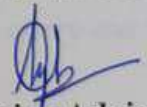
Place: Kumarganj, Ayodhya

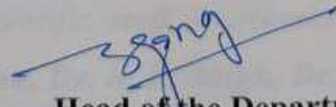
  
(Signature of the candidate)

Date: \_\_\_\_\_

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department

  
Dean

  
Dean

REDEM NOTE 9 PRO  
AI QUAD CAMERA

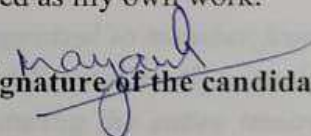


**CERTIFICATE-III**  
**DECLARATION FOR ANTI-PLAGIARISM**

I, Mr. Mayank Kumar Dubey, I.D. No. V-3132/14/10661/19T certifies that the thesis entitled “Study on prevalence of anatomical and pathological abnormalities affecting reproductive tract of buffaloes slaughtered in Unnao district of U.P.” submitted in partial fulfilment of the requirements for the degree of M.V.Sc. in “Veterinary Gynaecology and Obstetrics” to the College of Veterinary Science and Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

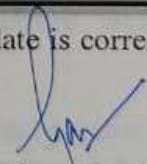
Date: 09/2021

**CERTIFICATE FROM THE MAJOR ADVISOR**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.



Head of the Department

  
(Major Advisor)

  
Dean  
Post Graduate Studies

  
Dean

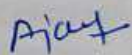
## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Ajay Kumar, Id. No. V-5682/11/19 certify that the thesis entitled "Awareness regarding Health care and Hygiene Practices Followed by Dairy Farmers in Sultanpur District of Uttar Pradesh" submitted in partial fulfillment of the requirements for the degree of Master of Veterinary Science in Veterinary and Animal Husbandry Extension Education to the College of Veterinary Science & Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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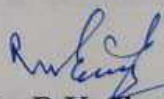
Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date:

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. R.K. Singh

(Major Advisor)

  
Head of the Department

  
Dean



REDMI NOTE 9 PRO

AI QUAD CAMERA

Post Graduate Studies

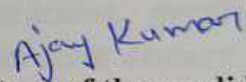
## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, **Mr. Ajay Kumar Gautam**, Id. No. **V-3095/14/10646/19T** certify that the thesis entitled "**Study on Knowledge and Adoption Level of Scientific Animal Husbandry Practices among Dairy Farmers in Basti District of Uttar Pradesh**" submitted in partial fulfillment of the requirements for the degree of **Master of Veterinary Science in Veterinary and Animal Husbandry Extension Education** to the **College of Veterinary Science & Animal Husbandry**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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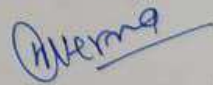
Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date:

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
**Dr. H.C. Verma**  
(Major Advisor)

  
**Head of the Department**



REDMI NOTE 9 PRO  
AI QUAD CAMERA  
Dean, PGS  
College of Veterinary Studies

  
**Dean**

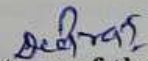
## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Deepraj, Id. No. V-8337/14/19 certify that the thesis entitled "Studies on antimicrobial efficacy of *Nyctanthes arbor-tristis* Linn leaves against sub-clinical mastitis in cows" submitted in partial fulfillment of the requirements for the degree of Master of Veterinary Science in Veterinary Medicine to the College of Veterinary Science & Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

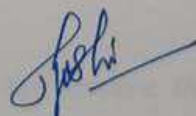
  
(Signature of the candidate)

Date:

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. Jitendra Pratap Singh  
(Major Advisor)

  
Head of the Department



REDMI NOTE 9 PRO  
AI QUAD CAMERA

Dean  
Post Graduate Studies



## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Shikhar Yadav, Id. No. V-11213/19 certify that the thesis entitled "*In vitro* study on antimicrobial potential of *Vetiveria zizanioides* oil against bacteria involved in sub clinical mastitis of milch cows" submitted in partial fulfillment of the requirements for the degree of Master of Veterinary Science in Veterinary Medicine to the College of Veterinary Science & Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

(Signature of the candidate)

Date:

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Dr. Jitendra Pratap Singh

(Major Advisor)

Head of the Department

Dean




## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Anil Kumar, Id. No V-11210/19 certify that the thesis entitled "DECELLULARIZATION OF CAPRINE TRACHEA AND EAR CARTILAGE USING 5% AQUEOUS EXTRACT OF FRUIT PERICARP OF *Sapindus mukorossi*" submitted in partial fulfillment of the requirements for the degree of M.V.Sc. in Veterinary Surgery and Radiology to the College of Veterinary Science and Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: \_\_\_\_\_

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department

  
Dean

### CERTIFICATE-III

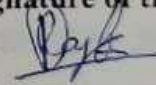
#### DECLARATION FOR ANTI-PLAGIARISM

I, **Raj Kapoor Verma**, Id. No. **V-11216/19** certifies that the thesis entitled “**Studies on shatavari (*Asparagus racemosus*) supplementation on the performance of broiler chickens**” submitted in partial fulfilment of the requirements for the degree of **M.V.Sc. in Livestock Production Management** to the college of Veterinary Science and Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

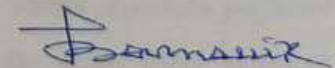
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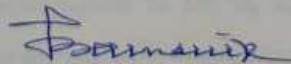
Date: 05/08/21

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.



(Major Advisor)



Head of the Department



Dean



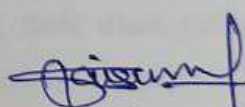
### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, **Dr. Sandeep Kumar Jaiswal**, Id. No. V-11209/19 certifies that the thesis entitled "**Studies on the etiopathology of lung lesions of goat in Gorakhpur and Maharajganj districts of North Eastern Plain Zone of Uttar Pradesh**" submitted in partial fulfilment of the requirements for the degree of **M.V.Sc. in Veterinary Pathology** to the college of Veterinary Science and Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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**Place:** Kumarganj, Ayodhya


  
(Signature of the candidate)

**Date:**

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department

  
Dean

  
Dean, Post Graduate Studies





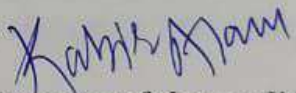
### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Kabir Alam, I.D. No. V-3121/14/10653/19T certifies that the thesis entitled "Effect of L-Cysteine Hydrochloride and *Cinnamomum zeylanicum* on Freezability of Murrah Bull Semen" submitted in partial fulfilment of the requirements for the degree of M.V.Sc. in "Veterinary Gynaecology and Obstetrics" to the college of Veterinary Science and Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya


  
(Signature of the candidate)

Date:

#### CERTIFICATE FROM THE MAJOR ADVISOR

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Head of the Department

  
(Major Advisor)

  
Dean

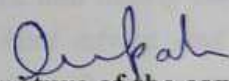
## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Deepak Yadav, Id. No. V-8338/14/19 certify that the thesis entitled "Studies on antimicrobial efficacy of *Psidium guajava* leaves against sub clinical mastitis in buffalo" submitted in partial fulfillment of the requirements for the degree of Master of Veterinary Science in Veterinary Medicine to the College of Veterinary Science & Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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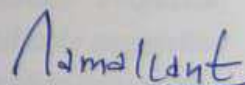
Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date:

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. Ramakant  
(Major Advisor)

  
Head of the Department

  
Dean



## CERTIFICATE-III

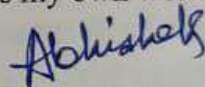
### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Abhishek Kumar, Id. No. V-5677/11/19 certify that the thesis entitled "Influence of Extreme Hot Condition on Adaptability, Haemato-Biochemical and Physiological Responses in Cross Bred Cattle in Central Plane Zone of Uttar Pradesh" submitted in partial fulfillment of the requirements for the degree of Master of Veterinary Science in Veterinary Physiology to the College of Veterinary Science & Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

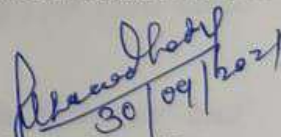
Date: 30.09.2021



(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.




30/09/2021

Dr. P.K. Choudhary

(Major Advisor)



Head of the Department



Dean

### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, **Dr. Pankaj Chauhan**, I.D. No. V-11215/19 certifies that the thesis entitled **“Impact of Stocking Density on Performance and Welfare of Broiler Chickens”** submitted in partial fulfilment of the requirements for the degree of **M.V.Sc. in Livestock Production Management** to the college of Veterinary Science and Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 10/08/2021

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department

  
Dean



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AI QUAD CAMERA  
Graduate Studies

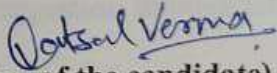
## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Dr. Vatsal Verma, I.D.No. V-11214/19 certifies that the thesis entitled "Process Optimization and Quality Characteristics of Turmeric Fortified Milkshake with Honey as Sugar Replacer" submitted in partial fulfilment of the requirements for the degree of M.V.Sc. in Livestock Products Technology to the college of Veterinary Science and Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 01/10/21

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

  
(Major Advisor)

  
Dean

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Vikas Rai, Id.No. V-3128/14/19 certify that the thesis entitled "Extreme Hot Condition in Relation to Physio-Biochemical Responses and Adaptability of Buffalo in Eastern Plane Zone of Uttar Pradesh" submitted in partial fulfillment of the requirements for the degree of Master of Veterinary Science in Veterinary Physiology to the College of Veterinary Science & Animal Husbandry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

(Signature of the candidate)

Date: 30-09-2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Dr. P.K. Choudhary

(Major Advisor)

Head of the Department

Dean



## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Ajeet Kumar Verma, Id.No. A-11103/19 certify that the thesis entitled "Studies on genetic variability, character association and path coefficient analysis in barley (*Hordium vulgare* L." submitted in partial fulfillment of the requirements for the degree of M.Sc. (Ag.) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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(Signature of the candidate)

Place: Kumarganj, Ayodhya

Date: 30/07/21

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

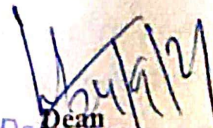


Head of the Department



(Major Advisor)

Dean, P. Dean  
Post Graduate Studies



Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I Abhay Singh, Id.No. A-11102/19 certify that the thesis entitled "Genetical studies on certain matrices traits of barley (*H. Vulgare* L.)" submitted in partial fulfillment of the requirements for the degree of M.Sc. (Ag.) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya

*Abhay Singh*  
(Signature of the candidate)

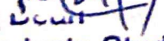
Date: 31/07/2021

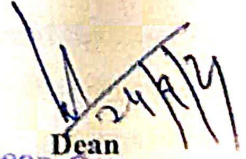
#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

  
(Major Advisor)

  
Dean, PGS  
Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ of Agric. & Tech.  
Kumarganj, Ayodhya



**CERTIFICATE-III**

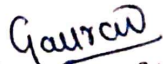
---

**DECLARATION FOR ANTI-PLAGIARISM**

I Mr. Gaurav Singh, Id. No. A-11108/19 certify that the thesis entitled "Genetic Divergence Analysis and Character association in wheat Germplasm (*Triticum aestivum* L.) under late sown condition" submitted in partial fulfillment of the requirements for the degree of in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University Of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

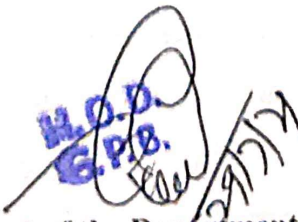
Date: 29/07/21

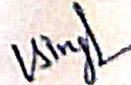
---


**CERTIFICATE FROM THE MAJOR ADVISOR**


---

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
H.O.D.  
G.P.B.  
Head of the Department

  
(Vinod Singh)  
(Major Advisor)

  
08/9/21  
Dean, PGS  
Post Graduate Studies

  
Dean  
College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

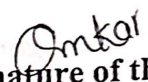
## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Omkar, Id. No. A-11111/19 certify that the thesis entitled "Studies on genetic variability of chickpea (*Cicer arietinum* L.) germplasm" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

  
(Signature of the candidate)


Date: 29-07-2021


### CERTIFICATE FROM THE MAJOR ADVISOR

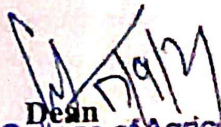
This is to certify that the above statement made by the candidate is correct to the best of my knowledge.



(Major Advisor)

  
Head of the Department  
अनुवंशिकी एवं पौध विज्ञान  
इ-सेंटर एवं प्रो. वि. वि., कुमागंज

  
Dean,  
Post Graduate Studies

  
Dean,  
College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

### CERTIFICATE-III


#### DECLARATION FOR ANTI-PLAGIARISM

I, Ms. Niharika Yaduvanshi, Id. No. A-11110/19 certify that the thesis entitled "Studies on genetic variability, character association, path analysis and D<sup>2</sup> analysis of chickpea (*Cicer arietinum* L.) under late sown condition" submitted in partial fulfillment of the requirements for the degree of Master of Science in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

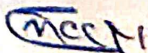
Date: 28 July 2021


  
(Signature of the candidate)


#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

  
Dr. Shiva Nath  
(Major Advisor)

  
Dean, PGSS  
Post Graduate Studies

  
Dean  
College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Juhi Pandey, Id. No. A-11109/19 certify that the thesis entitled "Genetic divergence analysis and character association in different genotypes of wheat (*Triticum aestivum* L.)" submitted in partial fulfillment of the requirements for the degree of M. Sc. (Ag) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

(Signature of the candidate)

Date: 29/7/2024

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

(Major Advisor)

Head of the Department

आनुवंशिकीय एवं पादप प्रजनन  
मंडल, अयोध्या

Dean  
Post Graduate Studies

Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya


## CERTIFICATE- III

### DECLARATION FOR ANTI-PLAGIARISM

I Akhilesh Kaushal, Id. No. A- 11104/19 certify that the thess entitled "Studies on genetic variability and character association in wheat (*Triticum aestivum* L. em. Thell.) under timely sown condition" submitted in partial fulfilment of the requirements for the degree of M.Sc.(Agriculture) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university. I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 31/7/2024

  
(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR

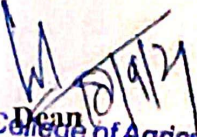
This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department  
HEAD

Dept. of G.P.B.  
A.N.D.U.A.T. Kumarganj  
Ayodhya

  
Dean, Post Graduate Studies

  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I Sudhanshu Singh Id. No. A-11114/19 certify that the thesis entitled "Studies on Character Assn. & Genetic Diver. in wheat" submitted in partial fulfillment of the requirements for the degree of M.Sc.(Ag.) in B. P. B. to the College of Agriculture Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Sudhanshu Singh

(Signature of the candidate)

Place: Kumarganj, Ayodhya

Date: 27/07/21

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

SKL  
(Major Advisor)

[Signature]  
Head of the Department

विभागाध्यक्ष  
आनुवंशिकी एवं पशुधन विभाग

[Signature]  
Dean, PGS  
Dean  
Post Graduate Studies

[Signature]  
188-21  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agr. & Tech.  
Kumarganj, Ayodhya

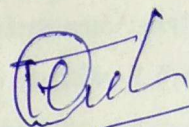
### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I **Sachin Kumar Verma** Id. No. **A-11157/19** certify that the thesis entitled "**Study on cost and returns of wheat cultivation in Hardoi District of Uttar Pradesh.**" submitted in partial fulfillment of the requirements for the degree of **M.Sc.(Ag.) in Agricultural Economics** to the College of Agriculture, **Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.)** is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

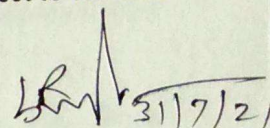
Place: Kumarganj, Ayodhya

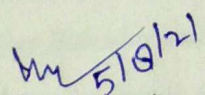
  
(Signature of the candidate)

Date: 5/9/2021

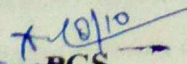
#### CERTIFICATE FROM THE MAJOR ADVISOR

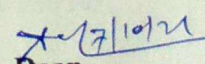
This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department  
incharge

Dept. of Agril. Economics  
A.N.D.U.A&T, Ayodhya U.P.

  
Dean, PGGS  
Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

**CERTIFICATE-III**

**DECLARATION FOR ANTI-PLAGIARISM**

I Aditya Bhooshan Srivastava Id. No. A-11154/19 certify that the thesis entitled "Modelling and forecasting of Wheat in Uttar Pradesh and it's instability ." submitted in partial fulfillment of the requirements for the degree of **M.Sc. (Ag.) in Agricultural Economics** to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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*Aditya*

(Signature of the candidate)

Place: Kumarganj, Ayodhya

Date: 04/08/2021

**CERTIFICATE FROM THE MAJOR ADVISOR**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
04/08/21  
(Major Advisor)

*[Signature]*  
04/08/21  
Head of the Department  
Dept. of Agril. Economics  
A.N.D.U.A&T, Ayodhya U.P.

*[Signature]*  
04/08/21  
Dean,  
Post Graduate Studies

*[Signature]*  
04/08/21  
Dean,  
College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya



**CERTIFICATE-III**

**DECLARATION FOR ANTI-PLAGIARISM**

I **Saurabh Verma** Id. No. **A-8487/15/19** certify that the thesis entitled "**Economic analysis of paddy cultivation in Ambedkar nagar District Uttar Pradesh.**" submitted in partial fulfillment of the requirements for the degree of M.Sc. (Ag.) in Agricultural Economics to the College of Agriculture, **Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.)** is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: **5/08/2021**

**Saurabh Verma**  
(Signature of the candidate)

**CERTIFICATE FROM THE MAJOR ADVISOR**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

**W 5/8/21**  
(Major Advisor)

**by 5/8/21**  
Head of the Department  
Dept<sup>n</sup> of Agril. Economics  
A.N.D.U.A&T, Ayodhya U.P

Dean,

**5/11/21**  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

**5/11/21**  
PGS Dean  
Post Graduate Studies

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Piyush Chandra Mishra Id. No. A-8546/15/19 certify that the thesis entitled "Impact of Integrated Farming System Approach on Doubling Farmer's Income in Ayodhya District of Uttar Pradesh" submitted in partial fulfilment of the requirements for the degree of M.Sc. (Ag.) in Agricultural Economics to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya  
Date: 07/08/21

Piyush Chandra Mishra  
(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

07/08/21  
(Major Advisor)

07/08/21  
Head of the Department  
Dept. of Agril. Economics  
A.N.D.U.A&T, Ayodhya U.P.

Dean,  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

07/08/21  
RGS Dean  
Dean  
Dept. of Agril. Economics

**CERTIFICATE-III**

**DECLARATION FOR ANTI-PLAGIARISM**

I **Narendra Kumar** Id. No. A-11155/19 certify that the thesis entitled "**Cucurbits: A study on economic aspects popularly grown in Jaunpur district of Uttar Pradesh**". submitted in partial fulfillment of the requirements for the degree of M.Sc. (Ag.) in Agricultural Economics to the College of Agriculture, **Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.)** is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 06/08/2021

*Narendra Kumar*  
(Signature of the candidate)

**CERTIFICATE FROM THE MAJOR ADVISOR**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*h2GT8121*  
(Major Advisor)

*h2GT8121*  
Head of the Department  
incharge  
Dept. of Agril. Economics  
A.N.D.U.A&T, Ayodhya U.P.

*W30/9/21*  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

*X (11/10/21)*  
Dean  
PGS/Dean Studies

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, **Ravi Kumar Yadav**, Id. No. **H-11206/19**, certify that the thesis entitled “**Studies on genetic variability, character association and divergence analysis in coriander (*Coriandrum sativum* L.)**” submitted in partial fulfillment of the requirements for the degree of **Master of Science (Horticulture) in Vegetable Science** to the **College of Horticulture and forestry**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

*Ravi Kumar Yadav*  
(Signature of the candidate)

Place: Kumarganj, Ayodhya

Date: 19/7/2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*Alshras*  
19-7-21  
(Major Advisor)

*As*  
19/7/21  
Head of the Department

*As*  
19/7/21  
Dean, PGS  
Post Graduate Studies

*As*  
Dean

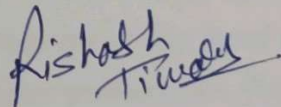
## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, **Rishabh Tiwari**, Id. No. **H-11204/19**, certify that the thesis entitled "**Studies on genetic variability for yield and its attributes in tomato (*solanum lycopersicum L.*)**" submitted in partial fulfillment of the requirements for the degree of **Master of Science (Horticulture)** in **Vegetable Science** to the **College of Horticulture and Forestry**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

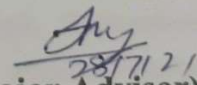
Place: Kumarganj, Ayodhya

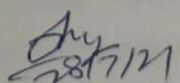
  
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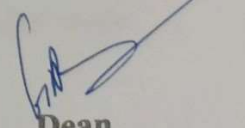
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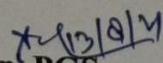
### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department

  
Dean

  
Dean, PGS

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Ambresh Kumar, Id. No. H-11188/19 certify that the thesis entitled "Effect of micro-nutrients on flowering, fruiting and fruit quality of ber (*Zizyphus mauritiana* Lamk.) cv. Gola." submitted in partial fulfillment of the requirements for the degree of M.Sc. in Fruit Science to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Ambresh Kumar  
(Signature of the candidate)

Date: 07/08/2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Ashok Kumar  
(Ashok Kumar)  
(Major Advisor)

Head of the Department  
07/08/21

Professor & Head  
Department of Fruit Science

Dean  
Post Graduate Studies

Dean

Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I **Himanshu Singh**, Id. No.H-11203/19 certify that the thesis entitled “**Studies on genetic variability, character association and genetic divergence in tomato (*Solanum lycopersicum* L.)**” submitted in partial fulfillment of the requirements for the degree of **Master of Science** in Horticulture (Vegetable Science) to the College of **Horticulture and Forestry**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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**Place:** Kumarganj, Ayodhya

*Himanshu Singh*  
(Signature of the candidate)

**Date:** 15/07/2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
15/07/21  
(Major Advisor)

*[Signature]*  
15/07/21  
Head of the Department

*[Signature]*  
15/07/21  
Dean, **PGS**  
Post Graduate Studies

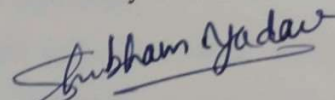
*[Signature]*  
Dean

CERTIFICATE-III

DECLARATION FOR ANTI-PLAGIARISM

I Shubham Yadav, Id. No. A-8493/15/19 certify that the thesis entitled "Studies on performance of onion (*Allium cepa* L.) varieties as intercropping in pre bearing kinnow (*Citrus reticulata* Blanco) orchard." submitted in partial fulfillment of the requirements for the degree of Master of Science (Horticulture) in Fruit Science to the College of Horticulture & Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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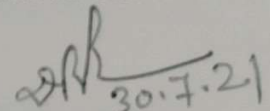
  
(Signature of the candidate)

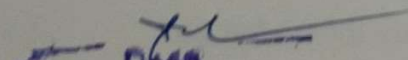
Place: Kumarganj, Ayodhya

Date: 30, July, 2021

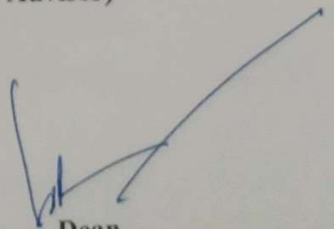
CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Dean,  
Post Graduate Studies

  
Professor & Head  
Department of Fruit Science

  
Dean  
College of Horticulture & Forestry



### CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Nidhi Singh Id. No.H-11192/19 certify that the thesis entitled “Response of organic sources of nutrients on performance of strawberry (*Fragaria×ananassa* Duch.) cv. Winter Dawn” submitted in partial fulfillment of the requirements for the degree of Master of Science (Horticulture) in Fruit Science to the College of Horticulture & Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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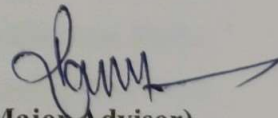
Place: Kumarganj, Ayodhya

Nidhi Singh  
(Signature of the candidate)

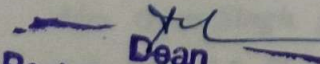
Date: 31/07/2021


### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Professor & Head  
Head of the Department  
Department of Fruit Science

  
Dean  
Post Graduate Studies

  
Dean  
DEAN  
College of Horticulture & Forestry

# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I Radha Krishna, Id. No. H-11194/19 certify that the thesis entitled "Effect of plant growth regulators on fruit quality and yield of ber (*Zizyphus mauritiana* Lamk.) cv. Gola." submitted in partial fulfillment of the requirements for the degree of M.Sc. in **Fruit Science** to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

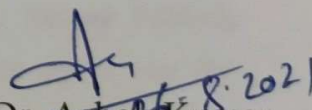
Place: Kumarganj, Ayodhya

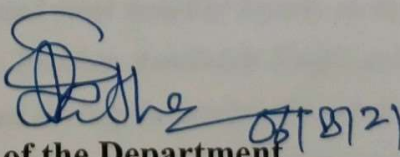
Radha Krishna  
(Signature of the candidate)

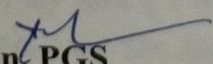
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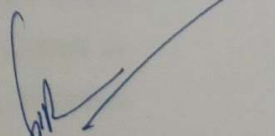
## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. Ashok Kumar  
(Major Advisor)

  
Head of the Department  
Professor & Head  
Department of Fruit Science

  
Dean, PGS  
Dean  
Post Graduate Studies

  
Dean

Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)

## CERTIFICATE-III

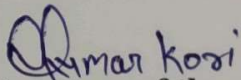
### DECLARATION FOR ANTI-PLAGIARISM

I, **Vikas Kori**, Id. No. **A-8576/15/19**, certify that the thesis entitled “**Effects of micronutrients on fruiting and yield on guava (*Psidium guajava* L.) cv. Lalit.**” submitted in partial fulfillment of the requirements for the degree of **Master of Science (Horticulture)** in **Fruit Science** to the **College of Horticulture and Forestry**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not will fully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

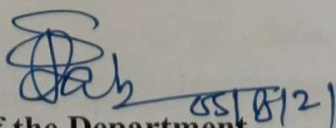
Place: Kumarganj, Ayodhya

Date: 05/08/2021


  
(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

  
(Major Advisor)

  
Dean, Post Graduate Studies

  
Dean

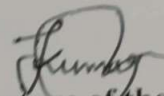
## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Jitendra Kumar Navik ,Id. No. H-11189/19 certify that the thesis entitled "Effect of Biofertilizers application on growth yield and quality of Aonla (*Emblica officinalis*) CV. NA-7." submitted in partial fulfillment of the requirements for the degree of M.Sc. in Fruit Science to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya

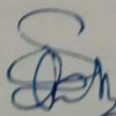
  
(Signature of the candidate)

Date: 27/07/2021

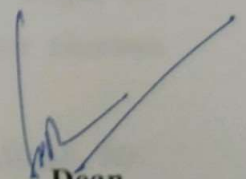
### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. Bhanu Pratap  
(Major Advisor)

  
Head of the Department  
Department of Fruit Science

  
Dean  
Post Graduate Studies

  
Dean  
College of Horticulture & Forestry

# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

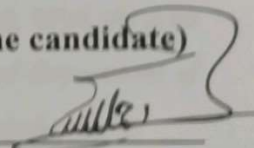
I Rahmat Gul Hassanzai Id. No H-10675/19 certify that the thesis entitled "Studies on effect of bagging and foliar application of different chemicals on post-harvest quality of Mango Fruits (*Mangifera indica* L.) cv. Amrapali" submitted in partial fulfilment of the requirements for the degree of **Master of Science (Horticulture) Major in Fruit Science and Minor in Vegetable Science** the College of Horticulture & Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya


(Signature of the candidate)


Date: 23/07/2021

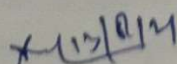


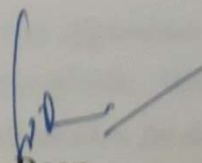
## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
22/07/21  
Head of the Department

  
Dean, PGS

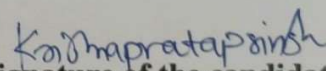
  
Dean

**CERTIFICATE-III**  
**DECLARATION FOR ANTI-PLAGIARISM**

I, **Krishna Pratap Singh**, Id. No. **H-11190/19**, certify that the thesis entitled “**Effect of foliar feeding of Plant Growth Regulators and Micro-nutrient on fruiting, yield and quality of Ber (*Zizyphus mauritiana* Lamk.) cv. Gola.**” submitted in partial fulfillment of the requirements for the degree of **Master of Science (Horticulture) in Fruit Science** to the **College of Horticulture & Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.)** is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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**Place:** Kumarganj, Ayodhya

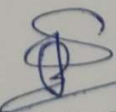
  
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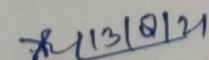
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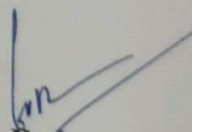
**CERTIFICATE FROM THE MAJOR ADVISOR**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
23/07/21  
Head of the Department

  
23/07/21  
Dean, PGS

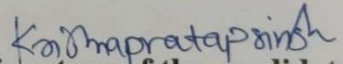
  
Dean

**CERTIFICATE-III**  
**DECLARATION FOR ANTI-PLAGIARISM**

I, **Krishna Pratap Singh**, Id. No. **H-11190/19**, certify that the thesis entitled **“Effect of foliar feeding of Plant Growth Regulators and Micro-nutrient on fruiting, yield and quality of Ber (*Zizyphus mauritiana* Lamk.) cv. Gola.”** submitted in partial fulfillment of the requirements for the degree of **Master of Science (Horticulture) in Fruit Science** to the **College of Horticulture & Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.)** is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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**Place:** Kumarganj, Ayodhya

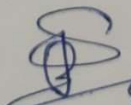
  
(Signature of the candidate)

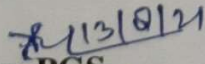
**Date:** 23/07/2021

**CERTIFICATE FROM THE MAJOR ADVISOR**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
23/07/21  
Head of the Department

  
23/07/21  
Dean, PGS

  
Dean

# CERTIFICATE -III

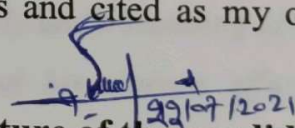
## DECLARATION FOR ANTI-PLAGIARISM

I Sharifullah Dowlatzai Id. No H-10673/19 certifies that the thesis entitled "Elucidating effect of pre-harvest treatment on post-harvest quality of rainy season guava (*Psidium guajava* L.) cv. Lalit" submitted in partial fulfilment of the requirements for the degree of **Master of Science (Horticulture) Major in Fruit Science and Minor in Vegetable Science** the College of Horticulture & Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018 adopted by the university.

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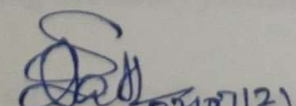
Place: Kumarganj, Ayodhya

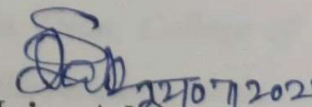
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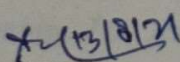
  
(Signature of the candidate)

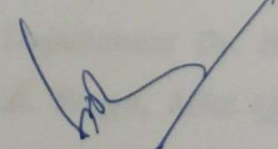
## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

  
(Major Advisor)

  
Dean, PGS

  
Dean



## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Ambreesh Kumar, Id. No. H-11188/19 certify that the thesis entitled "Effect of micro-nutrients on flowering, fruiting and fruit quality of ber (*Zizyphus mauritiana* Lamk.) cv. Gola." submitted in partial fulfillment of the requirements for the degree of M.Sc. in **Fruit Science** to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Ambreesh Kumar  
(Signature of the candidate)

Date: 07/08/2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Ashok Kumar  
(Major Advisor)

Head of Department  
Department of Fruit Science

Dean, PG  
Post Graduate Studies

Dean

Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)

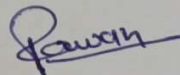
# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Pawan Kumar Yadav, Id. No. H-11193/19 certify that the thesis entitled "Response of plant hormones and calcium salts on ber (*Zizyphus mauritiana* Lamk.) fruits cv. Banarasi Karaka" submitted in partial fulfillment of the requirements for the degree of **Master of Science in Fruit Science** to the College of **Horticulture & Forestry**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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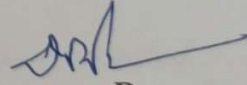
Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

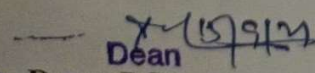
Date: 13/08/2021

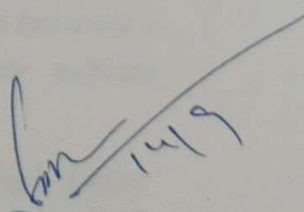
## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. Bhagwan Deen  
(Major Advisor)

  
Head of the Department  
Professor & Head  
Department of Fruit Science

  
Dean  
PGS  
Post Graduate Studies

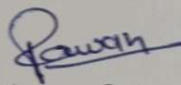
  
Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)

## DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Pawan Kumar Yadav, Id. No. H-11193/19 certify that the thesis entitled "Response of plant hormones and calcium salts on ber (*Zizyphus mauritiana* Lamk.) fruits cv. Banarasi Karaka" submitted in partial fulfillment of the requirements for the degree of **Master of Science in Fruit Science** to the College of **Horticulture & Forestry**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

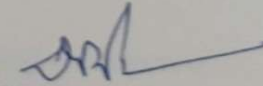
Date: 13/08/2021

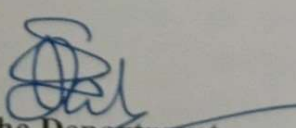
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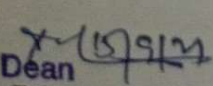
### CERTIFICATE FROM THE MAJOR ADVISOR

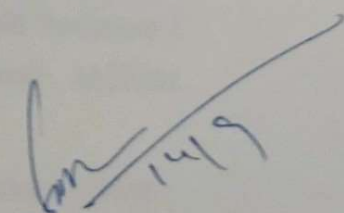
---

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. Bhagwan Deen  
(Major Advisor)

  
Head of the Department  
Professor & Head  
Department of Fruit Science

  
Dean  
Department of  
Postgraduate Studies

  
Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)

### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I Ritik ,Id. No. H-11195/19 certify that the thesis entitled "Effect of foliar feeding of nutrients on yield and quality of ber (*Zizyphus mauritiana* Lamk.) cv. Banarasi Karaka." submitted in partial fulfillment of the requirements for the degree of M.Sc. in Fruit Science to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

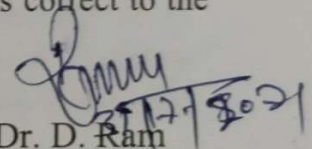
Place: Kumarganj, Ayodhya

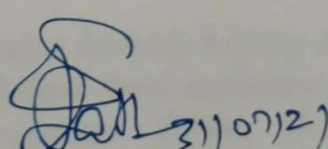
Ritik  
(Signature of the candidate)

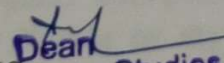
Date: 31-07-2021

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. D. Ram  
(Major Advisor)

  
Head of the Department

  
Dean, PGCS  
Post Graduate Studies

  
Dean

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Ritik ,Id. No. H-11195/19 certify that the thesis entitled "Effect of foliar feeding of nutrients on yield and quality of ber (*Zizyphus mauritiana* Lamk.) cv. Banarasi Karaka." submitted in partial fulfillment of the requirements for the degree of M.Sc. in Fruit Science to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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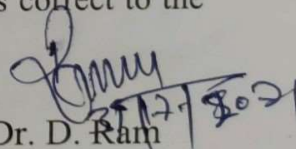
Place: Kumarganj, Ayodhya

Ritik  
(Signature of the candidate)

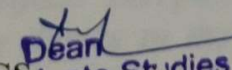
Date: 31-07-2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. D. Ram  
(Major Advisor)

  
Head of the Department

  
Dean, PG Studies  
Post Graduate Studies

  
Dean

CERTIFICATE-III

DECLARATION FOR ANTI-PLAGIARISM

I Nidhi Singh Id. No.H-11192/19 certify that the thesis entitled “Response of organic sources of nutrients on performance of strawberry (*Fragaria×ananassa* Duch.) cv. Winter Dawn” submitted in partial fulfillment of the requirements for the degree of Master of Science (Horticulture) in Fruit Science to the College of Horticulture & Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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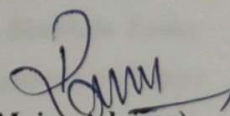
Place: Kumarganj, Ayodhya

Nidhi Singh  
(Signature of the candidate)

Date: 31/07/2021

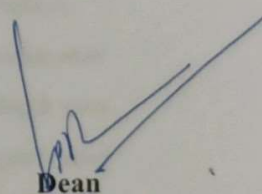
CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Professor & Head  
Department of Fruit Science

  
Dean  
Post Graduate Studies

  
Dean  
College of Horticulture & Forestry

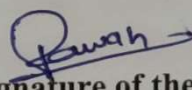
# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Pawan Kumar Yadav, Id. No. H-11193/19 certify that the thesis entitled "Response of plant hormones and calcium salts on ber (*Zizyphus mauritiana* Lamk.) fruits cv. Banarasi Karaka" submitted in partial fulfillment of the requirements for the degree of Master of Science in Fruit Science to the College of Horticulture & Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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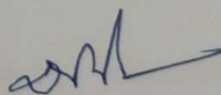
Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

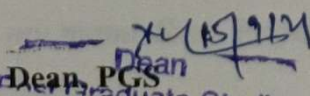
Date: 13/08/2021

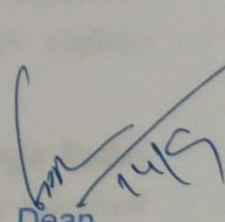
## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. Bhagwan Deen  
(Major Advisor)

  
Head of the Department  
Professor & Head  
Department of Fruit Science

  
Dean PGS  
Graduate Studies

  
Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)

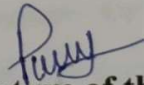
## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, **Putan Yadav**, Id. No. **HF-8646/15/19**, certify that the thesis entitled “**Studies on genetic variability, character association and genetic divergence in garden pea (*Pisum sativum* L. var. *hortense*)**” submitted in partial fulfillment of the requirements for the degree of **Master of Science (Horticulture) in Vegetable Science** to the **College of Horticulture and Forestry**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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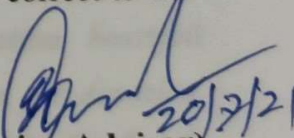
Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 20/07/2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department

  
Dean, PGS  
Post Graduate Studies

  
Dean



## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Aditya Vikram Singh, Id. No.H-11199/19 certify that the thesis entitled "Studies on genetic variability, for yield and its attributes in coriander (*Coriandrum sativum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Horticulture (Vegetable Science) to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

*Aditya Vikram Singh*  
(Signature of the candidate)

Date: 17/07/2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*M. Sharma*  
17.7.21  
(Major Advisor)

*[Signature]*  
17/7/21  
Head of the Department

*[Signature]*  
17/07/21  
Dean  
Post Graduate Studies

*[Signature]*  
17/7/21  
Dean

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Hareesh Kumar Maurya, Id. No.H-11202/19 certify that the thesis entitled "Studies on genetic variability, character association and divergence analysis in fenugreek (*Trigonella foenum-graecum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Horticulture (Vegetable Science) to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya


Hareesh Kumar Maurya  
(Signature of the candidate)

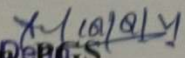
Date: 17/07/2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Mishra  
17.7.2021  
(Major Advisor)

  
17/7/21  
Head of the Department

  
Dean  
Post Graduate Studies

  
Dean

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, **Ramesh Rajbhar**, Id. No. **H-11205/19**, certify that the thesis entitled “**Studies on genetic variability, character association and genetic divergence for seed yield and its contributing traits in coriander (*Coriandrum sativum* L.)**” submitted in partial fulfillment of the requirements for the degree of **Master of Science (Horticulture)** in **Vegetable Science** to the **College of Horticulture and forestry**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 26/07/2021

*Ramesh Rajbhar*  
(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR

#### ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
26/7/21  
(Major Advisor)

*[Signature]*  
26/7/21  
Head of the Department

*[Signature]*  
17/8/21  
Dean  
Post Graduate Studies

*[Signature]*  
Dean

# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I, Rang Nath Pandey, Id. No. HF-8654/15/19 certify that the thesis entitled "Study on genetic variability for growth, yield and attributing, traits in coriander (*Coriandrum Sativum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Horticulture (Vegetable Science) to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

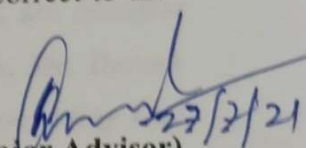
Place: Kumarganj, Ayodhya

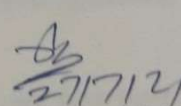
Date: 27/7/21

Rang Nath Pandey  
(Signature of the candidate)

## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
27/7/21  
Head of the Department

Head  
Dept. of Vegetable Science

  
Dean  
Post Graduate Studies

  
Dean  
College of Horticulture & Forestry

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Ravi Saroj, Id. No. H-11207/19 certify that the thesis entitled “Germplasm evaluation for growth, yield and its contributing traits in coriander (*Coriandrum sativum* L.)” submitted in partial fulfillment of the requirements for the degree of **Master of Science (Horticulture) in Vegetable Science** to the **College of Horticulture & forestry**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Ravi Saroj  
(Signature of the candidate)

Date: 19.07.2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Stichog  
19.7.2021  
(Major Advisor)

19/7/21  
Head of the Department

Dean  
Post Graduate Studies

Dean

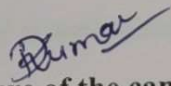
# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I Dheeraj Kumar, Id. No. HF-8629/15/19 certify that the thesis entitled "Germplasm evaluation, character association and genetic divergence for growth, yield and its component traits in fennel (*Foeniculum vulgare* Mill.)" submitted in partial fulfillment of the requirements for the degree of **Master of Science (Horticulture)** in **Vegetable Science** to the **College of Horticulture & Forestry**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

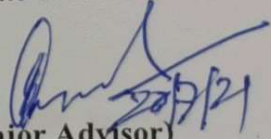
Place: Kumarganj, Ayodhya

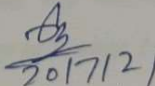
  
(Signature of the candidate)

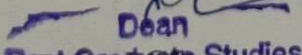
Date: 20/07/2021

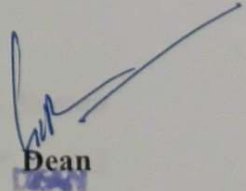
## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
20/7/21  
Head of the Department  
Dept. of Vegetable Science

  
Dean  
PG Studies

  
Dean  
College of Horticulture & Forestry

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Hari Shanker Verma, Id. No. HF-8632/15/19, certify that the thesis entitled "Genetic variability in brinjal (*Solanum melongena* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science (Horticulture) in Vegetable Science to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Hari Shanker Verma*  
(Signature of the candidate)

Date: 28/8/2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
28/8/21  
(Major Advisor)

*[Signature]*  
28/8/21  
Head of the Department

*[Signature]*  
28/8/21  
Dean, PGS

*[Signature]*  
Dean

### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I **Ankur Kumar Pal**, Id. No.H-11200/19 certify that the thesis entitled "**Genetic variability, character association and genetic divergence in brinjal (*Solanum melongena* L.)**" submitted in partial fulfillment of the requirements for the degree of **Master of Science** in Horticulture (Vegetable Science) to the College of **Horticulture and Forestry**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

*Ankur Kumar Pal*  
(Signature of the candidate)

Date: 20/07/2021

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*Asy*  
15/7/21  
(Major Advisor)

*Asy*  
15/7/21  
Head of the Department

*X-113/19/21*  
Dean, PGS

*[Signature]*  
Dean



## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Ritik, Id. No. H-11195/19 certify that the thesis entitled "Effect of foliar feeding of nutrients on yield and quality of ber (*Zizyphus mauritiana* Lamk.) cv. Banarasi Karaka," submitted in partial fulfillment of the requirements for the degree of M.Sc. in Fruit Science to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

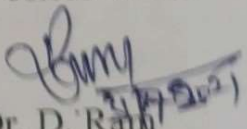
Place: Kumarganj, Ayodhya

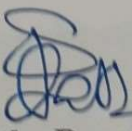
Ritik  
(Signature of the candidate)

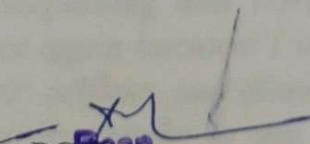
Date: 31-07-2021


### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. D. Ranu  
(Major Advisor)

  
Head of the Department  
31/07/21

  
Dean, PG  
Postgraduate Studies

  
Dean

# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I Radha Krishna, Id. No. H-11194/19 certify that the thesis entitled "Effect of plant growth regulators on fruit quality and yield of ber (*Zizyphus mauritiana* Lamk.) cv. Gola." submitted in partial fulfillment of the requirements for the degree of M.Sc. in Fruit Science to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Radha Krishna  
(Signature of the candidate)

Date: 06/08/2021

## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

06/08/2021  
Dr. Ashok Kumar  
(Major Advisor)

06/08/21  
Head of the Department  
Professor & Head  
Department of Fruit Science

Dean  
Post Graduate Studies

Dean

Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)


## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Niharika Singh, Id. No. II-11708/20 certify that the thesis entitled "Studies on genetic variability and divergence analysis for yield and its attributing traits in coriander (*Coriandrum sativum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Horticulture (Vegetable Science) to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university. I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

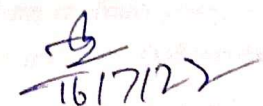
Date: 16/07/2022


  
(Signature of the candidate)


### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department  
Department of  
Vegetable Science

  
Dean, PGS  
Dean  
Post Graduate Studies

  
Dean  
College of Horticulture & Forestry  
• NDUAT, Kumarganj, Ayodhya (U.P.)

## CERTIFICATE-III

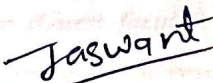
### DECLARATION FOR ANTI-PLAGIARISM

I Jaswant Prajapati, Id. No. II-11707/20 certify that the thesis entitled "Studies on genetic variability, character association, path coefficient and genetic divergence in fennel (*Foeniculum vulgare* Mill.)" submitted in partial fulfillment of the requirements for the degree of Master of Science (Horticulture) in Vegetable Science to the College of Horticulture & Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 16/07/2022

  
(Signature of the candidate)


### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department  
Department of  
Vegetable Science

  
Dean, PG  
Post Graduate Studies

  
Dean  
College of Horticulture & Forestry  
Kumarganj, Ayodhya (U.P.)

**CERTIFICATE – III**  
**DECLARATION FOR ANTI- PLAGIARISM**

I, Priya Rai, Id. No. II-11710/20, certify that the thesis entitled “Genetic variability and divergence analysis in potato (*Solanum tuberosum* L.)” submitted in partial fulfilment of the requirement for the degree of Master of Science (Horticulture) in **Vegetable Science and Minor in Fruit Science** the College of Horticulture and forestry, Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others work, para, text, data, results etc., or available at web – sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 18/07/22

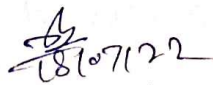
  
(Signature of the candidate)

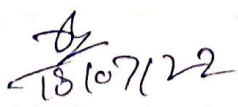
**CERTIFICATE FROM THE MAJOR ADVISOR**

---


**ADVISOR**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
18/07/22  
Head of the Department  
Department Vegetable Science

  
Dean  
Department of Post Graduate Studies

  
Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)

**CERTIFICATE-III**

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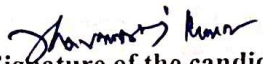
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**DECLARATION FOR ANTI-PLAGIARISM**

I, **Dharamraj Kumar**, Id.No.**II-11774/20** certifies that the thesis entitled “**Studies on genetic variability, character association and genetic divergence in pumpkin (*Cucurbita moschata* Duch. ex. Poir.)**” submitted in partial fulfillment to the requirements for the degree of **M.Sc. (Hort.) in Vegetable Science** to the College of **Horticulture and Forestry**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not will fully lifted up some others' work. Para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 16/07/22

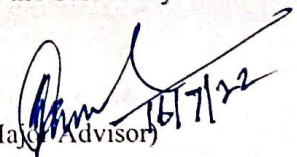
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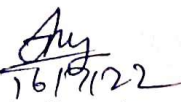
**CERTIFICATE FROM THE MAJOR ADVISOR**

---

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This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
16/07/22  
Head of the Department  
Head  
Department of  
Vegetable Science

  
Dean,  
Post Graduate Studies



**CERTIFICATE-III**

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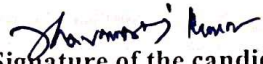
---

**DECLARATION FOR ANTI-PLAGIARISM**

I, Dharamraj Kumar, Id.No.II-11774/20 certifies that the thesis entitled “Studies on genetic variability, character association and genetic divergence in pumpkin (*Cucurbita moschata* Duch. ex. Poir.)” submitted in partial fulfillment to the requirements for the degree of M.Sc. (Hort.) in Vegetable Science to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not will fully lifted up some others' work. Para. text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 16/07/22

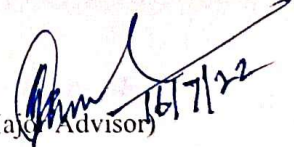
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**CERTIFICATE FROM THE MAJOR ADVISOR**

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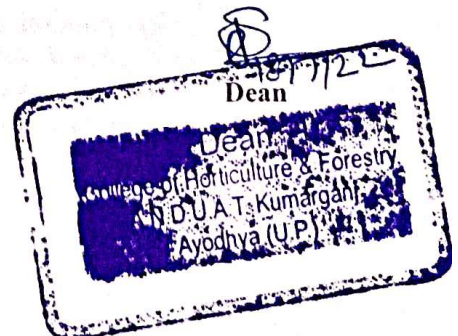
This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor) 16/7/22

  
16/07/22  
Head of the Department  
Head

Department of  
Vegetable Science

  
Dean, PG Studies  
Post Graduate Studies

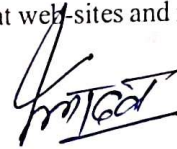


CERTIFICATE-III

DECLARATION FOR ANTI-PLAGIARISM

I Lokesh Yadav, Id. No.IIF-9310/16/20 certify that the thesis entitled "Studies on Genetic Variability in Tomato (*Solanum lycopersicum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science ( Horticulture) in Vegetable Science to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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(Signature of the candidate)

Place: Kumarganj, Ayodhya


Date: 14/07/2022

CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.




(Major Advisor)



Head of the Department  
Department of  
Vegetable Science



Dean  
Post Graduate Studies



Dean  
Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)



## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Saurabh Tiwari Id. No. A-9197/16/20, certify that the thesis entitled "Effect of plant growth regulators on yield and quality of winter season guava (*Psidium guajava* L.) cv. Lucknow-49" submitted in partial fulfillment of the requirements for the degree of Master of Science (Horticulture) in Fruit Science to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not will fully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya

Saurabh Tiwari  
(Signature of the candidate)

Date: 6/7/2022


### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(D. Ram) 6-7-22  
(Major Advisor)

  
HEAD  
Head of the Department  
Dept. of Fruit Science  
A.N.D.U.A.T., Kumarganj  
Ayodhya

  
Dean PGSS  
Post Graduate Studies

  
Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T., Kumarganj  
Ayodhya (U.P.)

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Manish Kumar Gautam, Id. No.A-9252/16/20 certify that the thesis entitled "Studies on genetic variability, correlation and divergence analysis in fennel (*Foeniculum vulgare* Mill.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Horticulture (Vegetable Science) to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

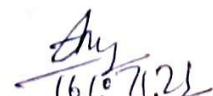
Manish Kumar Gautam -  
(Signature of the candidate)

Date: 16/07/2022


### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
16/07/22  
Head of the Department  
Department of  
Vegetable Science

  
Dean  
PGS  
Graduate Studies

  
Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)


## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Anjana C.S., Id. No. II-11773/20 certify that the thesis entitled "Estimation of heterosis, combining ability and gene action in brinjal (*Solanum melongena* L.)" submitted in partial fulfillment of the requirements for the degree of M. Sc. (Horticulture.) in Vegetable science to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

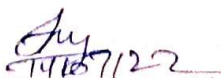
Place: Kumarganj, Ayodhya  
Date: 4 July 2022

  
(Signature of the candidate)


### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department  
Head  
Dept. of Vegetable Sciences

  
Dean, Post Graduate Studies

  
Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)

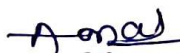
CERTIFICATE-III

DECLARATION FOR ANTI-PLAGIARISM

I, Amar, Id.No.II-11772/20 certifies that the thesis entitled "Studies on genetic variability in pumpkin (*Cucurbita moschata* Duch. ex. Poir.)" submitted in partial fulfillment to the requirements for the degree of M.Sc. (Hort.) in Vegetable Science to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not will fully lifted up some others' work, Para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 16/7/22.

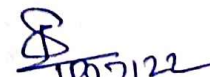
CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
16/7/22  
Head of the Department  
Department of  
Vegetable Science

  
Dean,  
Post Graduate Studies

  
16/7/22  
Dean

Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Sandeep Kumar, Id. No. H-11712/20 certify that the thesis entitled "Genetic variability, character association and genetic divergence in brinjal (*Solanum melongena* L.)" submitted in partial fulfillment of the requirements for the degree of M. Sc. (Horticulture.) in Vegetable science to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not wilfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

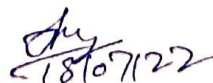
Place: Kumarganj, Ayodhya  
Date: 18 July 2022

  
(Signature of the candidate)


### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department  
, Head  
Dept. of Vegetable Science

  
Dean, Post Graduate Studies

  
Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Akhil Kumar Chaudhary, Id. No. II-11705/20 certify that the thesis entitled "Studies on genetic variability and character association for yield and its contributing traits in brinjal (*Solanum melongena* L.)" submitted in partial fulfilment of the requirements for the degree of M. Sc. (Horticulture.) in Vegetable science to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya  
Date: 18 July 2022

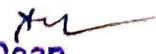
  
(Signature of the candidate)


### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department  
Department of  
**Vegetable Science**

  
Dean  
Post Graduate Studies

  
Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)

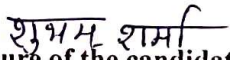
# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I, Shubham Sharma, Id. No.- H-11703/20, certify that the thesis entitled "Effect of organic sources on vegetative growth, fruit quality and yield of Phalsa (*Grewia subinaequalis* D.C.)" submitted in partial fulfillment of the requirements for the degree of Master of Science (Horticulture) in Fruit Science to the College of Horticulture & Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to, and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results, etc, reported in the journals, books, magazines, reports, dissertations, thesis, etc., or available on websites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 07.07.2022


## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(D. Ram) 7-7-22  
(Major Advisor)

  
HEAD  
Dept. of Fruit Science  
Head of U.A.T. Kumarganj  
Ayodhya

  
Dean, PGS  
Post Graduate Studies

  
Dean  
A.N.D.U.A.T. Kumarganj  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)

## CERTIFICATE – III


### DECLARATION FOR ANTI- PLAGIARISM

I, Preeti Yadav, Id. No. H-11709/20, certify that the thesis entitled “Genetic evaluation for the yield and its component traits in fennel (*Foeniculum vulgare* Mill.)” submitted in partial fulfillment of the requirement for the degree of Master of Science (Horticulture) in Vegetable Science to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others work, Para, text, data, results etc., or available at web – sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 16/07/22

  
(Signature of the candidate)

### CERTIFICATE FROM MAJOR ADVISOR


#### ADVISOR


This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
16/07/22  
Head of the Department

Head  
Department of  
Vegetable Science

  
Dean,  
Post Graduate Studies

  
Dean  
College of Horticulture & Forestry  
e N (U) A T Kumarganj, Ayodhya (U.P.)



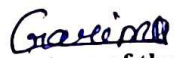
CERTIFICATE – III

DECLARATION FOR ANTI-PLAGIARISM

I Garima Yadav Id. No H-11700/20 certifies that the thesis entitled "Effect of preharvest spray of PGRs, calcium and cow urine on yield and quality of aonla fruit (*Embllica officinalis* Gaertn.) cv. NA-7." submitted in partial fulfilment of the requirements for the degree of Master of Science (Horticulture) Major in Fruit Science and Minor in Vegetable Science the College of Horticulture & Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018 adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others work, Para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 18/07/22

CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Dean, PGS  
Post Graduate Studies

  
Dept. of Horticulture  
Head of Department  
A.N.D.U.A.T. Kumarganj  
Ayodhya

  
Dean  
College of Horticulture & Fore  
A.N.D.U.A.T. Kumarganj  
Ayodhya (U.P.)

## CERTIFICATE-III


### DECLARATION FOR ANTI-PLAGIARISM

I Rahul Singh, Id. No. H-11702/20, certify that the thesis entitled “Regulation of summer season flowering to enhance the fruiting of mrig bahar in guava (*Psidium guajava* L.) cv. Lucknow-49 under sodic soil ” submitted in partial fulfilment of the requirements for the degree of Master of Science (Horticulture) in Fruit Science to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not will fully lifted up some others’ work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

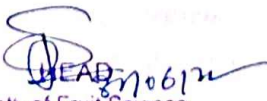
Place: Kumarganj, Ayodhya


Date: 30/6/2022

  
(Signature of the candidate)


### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
HEAD  
Dept. of Fruit Science  
Head of the Department  
A.N.D.U.A.T., Kumarganj  
Ayodhya

  
Dean,  
Post Graduate Studies

  
(Major Advisor)

  
DEAN  
College of Horticulture & Forestry  
A.N.D.U.A.T., Kumarganj-Ayodhya

# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I, Diwakar Nath Mishra, Id. No.- II-11699/20, certify that the thesis entitled “Integrated Nutrient Management in Aonla (*Emblia officinalis* Gaertn.) cv. NA-10” submitted in partial fulfillment of the requirements for the degree of **Master of Science (Horticulture) in Fruit Science** to the **College of Horticulture & Forestry**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to, and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others’ work, para, text, data, results, etc, reported in the journals, books, magazines, reports, dissertations, thesis, etc., or available on websites and included them in this thesis and cited as my ownwork.

Place: Kumarganj, Ayodhya

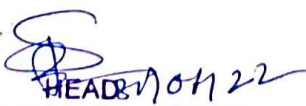
Diwakar Nath Mishra  
(Signature of the candidate)

Date: 30/06/22

## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
HEAD OF DEPARTMENT  
Department of Horticulture  
A.N.D.U.A.T., Kumarganj  
Ayodhya

  
Dean, ~~Dean~~  
Post Graduate Studies

  
DEAN  
College of Horticulture & Forestry  
A.N.D.U.A.T., Kumarganj-Ayodhya

# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I Aman Kumar Singh, Id. No.- II-11706/20 certify that the thesis entitled "Estimation of genetic variability, correlation and genetic divergence in tomato (*Solanum lycopersicum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science (Horticulture) in Vegetable Science to the College of Horticulture & Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results, etc., reported in the journals, books, magazines, reports, dissertations, thesis, etc., or available on websites and included them in this thesis and cited as my ownwork.

Aman Kumar Singh  
(Signature of the candidate)


Place: Kumarganj, Ayodhya


Date:

## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of Department  
Department of  
Vegetable Science

  
Dean, PCS  
Dean  
Post Graduate Studies

  
Dean

Dean  
College of Horticulture & Forestry  
A.N.D.U. Kumarganj  
Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Niharika Gurudev, Id. No. H-11701/20, certify that the thesis entitled "Studies on preservative free low calorie beverages from guava pulp and aonla juice blends" submitted in partial fulfillment of the requirements for the degree of Master of Science (Horticulture) in Fruit Science to the College of Horticulture and Forestry, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

Date: 14/07/2022


  
(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department  
A.N.D.U.A.T. Kumarganj

  
Dean, PGS  
Dean  
Post Graduate Studies

  
Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T. Kumarganj-Ayodhya

## CERTIFICATE – III

### DECLARATION FOR ANTI-PLAGIARISM

I Anoj Yadav Id. No. H-11248/19 certify that the thesis entitled “**Heterosis and combining ability for yield and quality traits in bottle gourd [*Lagenaria siceraria* (Mol.) Standl.]**” submitted in partial fulfillment of the requirements for the degree of **Doctor of Philosophy** (Horticulture) in **Vegetable Science** to the College of Horticulture and forestry, **Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.)** is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others’ work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Anoj Yadav*  
(Signature of the candidate)

Date: 18/02/22

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*G*  
18/02/22  
Dr. G. C. Yadav  
(Major Advisor)

*G*  
18/02/22  
Head of Department  
Department of  
Vegetable Science

*A*  
Dean, Post Graduate Studies

*V*  
Dean  
College of Horticulture & Forestry  
A.N.D.U.A.T., Kumarganj-Ayodhya

## CERTIFICATE-III


### DECLARATION FOR ANTI-PLAGIARISM

I, Ram Pratap Pal, Id. No.: A-11095/19 certify that the thesis entitled "Response of nitrogen levels under different varieties of hybrid rice (*Oryza sativa* L.) in eastern Uttar Pradesh." submitted in partial fulfillment of the requirements for the degree of M.Sc. (Ag.) Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 08/09/2021



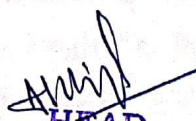
(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR

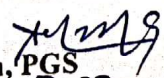
This is to certify that the above statement made by the candidate is correct to the best of my knowledge.



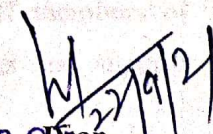
(Major Advisor)



HEAD  
Head of the Department  
Dept. of Agronomy



Dean, PGS  
Dean  
Post Graduate Studies



Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya


### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Moh Vaheed, Id. No. A-8542/15/19 certify that the thesis entitled "Effect of tillage and weed management on yield and economics of wheat (*Triticum aestivum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

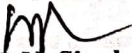
Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 04/08/2021

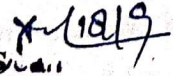
#### CERTIFICATE FROM THE MAJOR ADVISOR

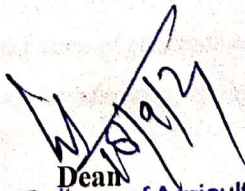
This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. B.N. Singh

(Major Advisor)

  
HEAD  
Head of the Department  
Deptt. of Agronomy

  
Dean, PGS  
Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya



### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Shubhendu Singh, Id. No. A-11098/19 certify that the thesis entitled "Effect of different doses of Nitrogen and Plant growth regulator on growth and yield parameters of wheat (*Triticum aestivum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

(Signature of the candidate)

Date: 13/09/2021

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Dr. Rajesh Kumar

(Major Advisor)

HEAD  
Head of the Department  
Deptt. of Agronomy

Dean  
Post Graduate Studies

Dean  
College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya



### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, Miss. Srishti Singh, Id. No. A-11100/19 certify that the thesis entitled "Effect of nitrogen and weed management on yield and economics of Wheat (*Triticum aestivum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

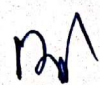
(Signature of the candidate)


Date: 08/09/2021

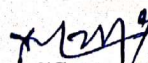
Srishti Singh

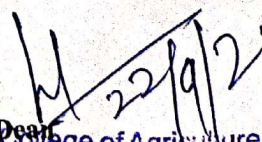
#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. B.N. Singh  
(Major Advisor)

  
HEAD  
Dept. of Agronomy

  
Dean, PGS  
Dean  
Post Graduate Studies

  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

**CERTIFICATE-III**

---

---

**DECLARATION FOR ANTI-PLAGIARISM**

I Vineet Kumar Shukla, Id. No. A-11101/19 certify that the thesis entitled ““Response of method of planting and integrated nutrient management on rice (*Oryza sativa* L.)” submitted in partial fulfillment of the requirements for the degree of M.Sc.(Ag.) Agronomy to the College of Agriculture Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 30/08/2021

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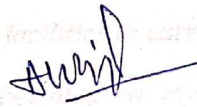
**CERTIFICATE FROM THE MAJOR ADVISOR**


---


---

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department  
**HEAD**  
Deptt. of Agronomy

  
-Dean, PGSS  
Post Graduate Studies

  
Dean of Agriculture  
N. D. Univ. of Agric. & Tech  
Kumarganj - Ayodhya

# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Adesh, Id. No. A-8394/15/19 certify that the thesis entitled "Response of bio-fortification in fodder maize and sorghum for enhancing zinc and iron content" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 01/09/2021


## CERTIFICATE FROM THE MAJOR ADVISOR


This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. Ram Pratap Singh

(Major Advisor)

  
HEAD  
Deptt. of Agronomy

  
Dean, PG  
Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

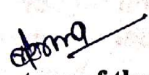
## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Deepraj Verma, Id. No. A-11091/19 certify that the thesis entitled "Studies on the response of plant growth regulators and micronutrient (zinc and boron) on fodder sorghum (*Sorghum bicolor* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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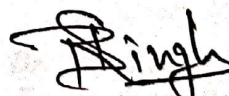
Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

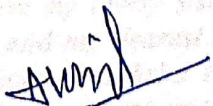
Date: 02/09/2021

### CERTIFICATE FROM THE MAJOR ADVISOR

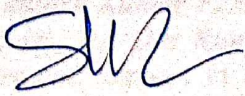
This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. R.P. Singh

(Major Advisor)

  
Head of the Department  
Deptt. of Agronomy

  
Dean, Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

**CERTIFICATE-III**

---

---

**DECLARATION FOR ANTI-PLAGIARISM**

I Ambikesh Tripathi, Id. No A-11084/19 certify that the thesis entitled "Response of potato varieties to cut seed tuber technology." submitted in partial fulfillment of the requirements for the degree of M.Sc. (Ag.) Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Ambikesh Tripathi*  
(Signature of the candidate)

Date: 28/07/2021

---

**CERTIFICATE FROM THE MAJOR  
ADVISOR**

---

---

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
(Major Advisor)

*[Signature]*  
Head of the Department  
Deptt. of Agronomy

*[Signature]*  
Dean, PGS

Dean  
Post Graduate Studies

*[Signature]*  
Dean  
College of Agriculture  
A. N. D. Univ. of Agric. & Techn.  
Kumarganj - Ayodhya

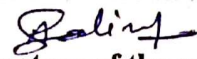
## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Abdul Salim, Id. No. A-8391/15/19 certify that the thesis entitled "Effect of weed management and foliar spray of different nutrients in rainfed rice (*Oryza sativa* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya

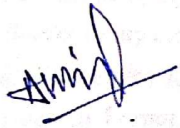
  
(Signature of the candidate)


Date: 01/07/2024

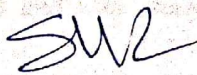
### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Rajesh Kumar)  
(Major Advisor)

  
Head of the Department  
Deptt. of Agronomy

  
Dean  
Post Graduate Studies

  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Techn.  
Kumarganj - Ayodhya



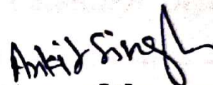
# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I Mr. Ankit Singh, Id. No. A-11085/19 certify that the thesis entitled "Response of phosphorus levels on growth and yield of cowpea varieties (*Vigna unguiculata* L.)" submitted in partial fulfillment of the requirements for the degree of M.Sc. in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

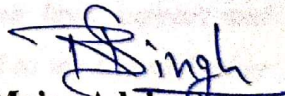
Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

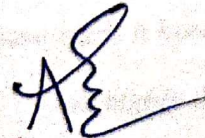
Date: 09/08/2021


## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department  
Deptt. of Agronomy

  
Dean, PG Studies  
Post Graduate Studies

  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya



### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Ashish Kumar Verma, Id. No. A-11087/19 certify that the thesis entitled "Effect of cutting and splitting of nitrogen on quantity and quality of different varieties of fodder oat (*Avena sativa* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, Para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Ashish Kumar Verma*  
(Signature of the candidate)

Date: 09/08/2021

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*Dr. Vishuddha Nand*  
(Major Advisor)

*[Signature]*  
Head of the Department  
Dept. of Agronomy

*[Signature]*  
Dean, PGS  
Dean  
Post Graduate Studies

*[Signature]*  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

**CERTIFICATE-III**

**DECLARATION FOR ANTI-PLAGIARISM**

I Bhayankar ,Id. No A-11088/19 certify that the thesis entitled "Influence of Irrigation scheduling on the transplanted rice(Oryza sativa L.)" submitted in partial fulfillment of the requirements for the degree of M.Sc. (Ag.) Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Bhayankar*  
(Signature of the candidate)

Date: 30/07/2021

**CERTIFICATE FROM THE MAJOR  
ADVISOR**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
(Major Advisor)

*[Signature]*  
Head of the Department  
Deptt. of Agronomy

*[Signature]*  
Dean, PGS  
Dean  
Post Graduate Studies

*[Signature]*  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

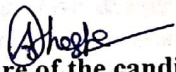
### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Asheesh Kumar, Id. No. A-11086/19 certify that the thesis entitled "Effect of Weed management practices on weeds and productivity of timely sown wheat (*Triticum aestivum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, Para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya

  
(Signature of the candidate)


Date:

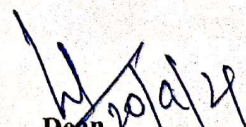
#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. Rajesh Kumar  
(Major Advisor)

  
Head of the Department  
Deptt. of Agronomy

  
20/9/19  
Dean, Dean  
Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj, -Ayodhya

**CERTIFICATE-III**

---

---

**DECLARATION FOR ANTI-PLAGIARISM**

I Brijesh Kumar, Id. No A-11089/19 certify that the thesis entitled "Effect of phosphorus levels on performance of different varieties of Barseem (*Trifolium Alexandrinum L.*)" submitted in partial fulfillment of the requirements for the degree of in Agronomy to the College of Agriculture, Acharya Narendra Deva University Of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Brijesh kumar  
(Signature of the candidate)

Date: 10/08/2021

---


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**CERTIFICATE FROM THE MAJOR ADVISOR**

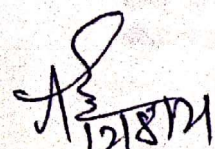
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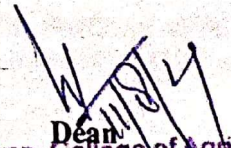
---

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. Vishuddha Nand  
(Major Advisor)

  
HEAD  
Head of the Agronomy  
Dept. of the Department

  
12/8/21  
Dean  
Post Graduate Studies

  
Dean,  
College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Darshan, Id. No. A-11090/19 certify that the thesis entitled "Effect of nitrogen levels on forage yield of promising entries of dual cut oat (*Avena sativa* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Darshan*  
(Signature of the candidate)

Date: 07/09/2021

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
Dr. Vishuddha Nand  
(Major Advisor)

*[Signature]*  
Head of the Department  
**HEAD**  
Deptt. of Agronomy

*[Signature]*  
Dean, PG  
Post Graduate Studies

*[Signature]*  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya


## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Deependra Kumar, Id. No. A-8531/15/19 certify that the thesis entitled "Effect of nitrogen levels and weed management practices on growth and yield of direct seeded rice (*Oryza sativa* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya


  
(Signature of the candidate)

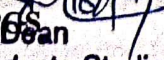
Date: 11-08-2021

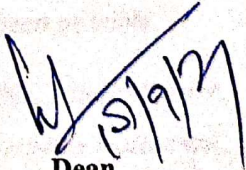
### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. B.N. Singh  
(Major Advisor)

  
HEAD  
Deptt. of Agronomy

  
Dean, Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech,  
Kumarganj; -Ayodhya

### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, Miss. Sanjana Maurya, Id. No. A-11097/19 certify that the thesis entitled "Effect of weed control methods on growth and yield of wheat (*Triticum aestivum* L.)" submitted in partial fulfillment of the requirements for the degree of **Master of Science in Agronomy** to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Sanjana Maurya*  
(Signature of the candidate)

Date: 09/08/21

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
Dr. Vishuddha Nanda  
(Major Advisor)

*[Signature]*  
Head of the Department  
**HEAD**  
Deptt. of Agronomy

*[Signature]*  
15/9/21  
Dean, PG  
Post Graduate Studies

*[Signature]*  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Mohammad Nabi Marufi Id. No A-10674/19 certify that the thesis entitled "Effect of weed management practices on growth and yield of direct seeded rice (*Oryza sativa* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) Major in Agronomy and Minor in Soil Science the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included in my thesis and cited as my own work.

Place: Kumarganj, Ayodhya

(Signature of the candidate)

Date: July, 16, 2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

(Major Advisor)

Head of the Department

Dean, PGS

Dean



### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Ankit gupta, Id. No. A-8413/15/19 certify that the thesis entitled "Effect of weed management on Productivity of transplanted Rice (*Oryza sativa* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

(Signature of the candidate)

Date: 08/09/2021

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Dr. B.N. Singh  
(Major Advisor)

HEAD  
Dept. of Agronomy

Dean, PGS  
Dean  
Post Graduate Studies

Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III

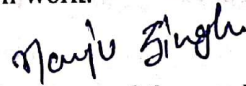
### DECLARATION FOR ANTI-PLAGIARISM

I Manju Singh, Id.No. A-11093/19 certify that the thesis entitled "Effect of nutrient management and weed control practices on weeds and productivity of wheat (*Triticum aestivum* L.) submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

Date: 01/09/2021

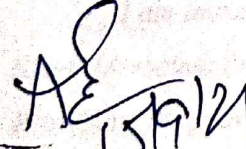
  
(Signature of the candidate)

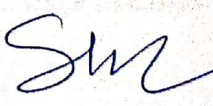
### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
HEAD  
Deptt. of Agronomy

  
Dean  
Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

**CERTIFICATE-III**

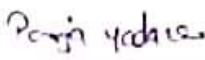
---

**DECLARATION FOR ANTI-PLAGIARISM**

I Pooja Yadav, Id. No.A-11094/19 certify that the thesis entitled "Bio-efficacy of new herbicide (Prosulfocarb) against weed specially *Phalaris minor* in wheat crop" submitted in partial fulfillment of the requirements for the degree of **Master of Science (Agriculture) in Agronomy** to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 28/07/21

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**CERTIFICATE FROM THE MAJOR ADVISOR**

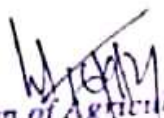
---

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the **HEAD** Deptt. of Agronomy

  
Dean, PG  
Post Graduate Studies

  
Dean of Agriculture  
N. D. Univ. of Agric. & Tech  
Kumarganj - Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Hariom Mishra, Id. No.: A-11092/19 certify that the thesis entitled "Effect of Fertility level and weed management Practices on yield and economics of Wheat under irrigated condition." submitted in partial fulfillment of the requirements for the degree of M.Sc. (Ag.) Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Hariom Mishra*  
(Signature of the candidate)

Date: 06/09/2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
(Major Advisor)

*[Signature]*  
Head of the Department  
Deptt. of Agronomy

*[Signature]*  
15/9/21  
Dean, PGOS  
Post Graduate Studies

*[Signature]*  
Dean  
College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj, Ayodhya

**CERTIFICATE-III**


---

**DECLARATION FOR ANTI-PLAGIARISM**

I Shubhanshu Singh, Id. No. A-11099/19 certify that the thesis entitled "Study the effect of irrigation scheduling in potato (*Solanum tuberosum* L.) varieties" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 27/07/2021


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**CERTIFICATE FROM THE MAJOR ADVISOR**

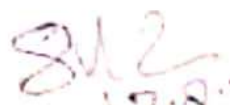
---

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
27/7/21  
(Major Advisor)

  
27/7/21  
Head of the Department  
Deptt. of Agronomy

  
Dean  
Post Graduate Studies

  
17.8.21  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj, Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Mr. Abhishek Mishra Id. No. A-11607/20 certify that the thesis entitled "Effect of weed control methods on weed dynamics and productivity of transplanted rice (*Oryza sativa* L.) in Eastern Uttar Pradesh" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: /06/2022

*Abhishek Mishra*  
(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
Dr. Vishuddha Nand  
(Major Advisor)

*[Signature]*  
ACAD 6/7/22  
Head of the Department  
A.N.D.U.A.T., Kumarganj  
AYODHYA

*[Signature]*  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

*[Signature]*  
Dean, PG  
Post Graduate Studies

### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I **Abhishek Raj Ranjan**, Id. No. **A-9102/16/20** certify that the thesis entitled "**Effect of planting geometry and phosphorus levels on growth and yield of summer moong (*Vigna radiata* L.)**" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Agronomy to the college of Agriculture, Acharya Narendra Deva University of Agriculture & Technology Kumarganj, Ayodhya (U.P) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and prevention of plagiarism in Higher Education Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc. or available at web-cited and included them in thesis and cited as my own work.

**Place:** Kumarganj, Ayodhya

**Date:** 08/07/22

*Abhishek Raj Ranjan*  
(Signature of the candidate)

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
8/7/22  
(Major Advisor)

*[Signature]*  
8/7/22  
Head of Department  
Deptt. of Agronomy  
A.N.D.U.A.T., Kumarganj  
AYODHYA

*[Signature]*  
Dean PGS  
Post Graduate Studies

*[Signature]*  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

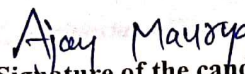
**CERTIFICATE-III**

**DECLARATION FOR ANTI-PLAGIARISM**

I, Mr. Ajay Maurya, Id. No. A-11608/20 certify that the thesis entitled "Effect of split doses of nitrogen and sulphur application on productivity of late sown wheat (*Triticum aestivum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

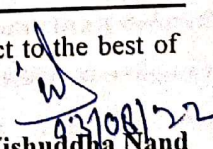
Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

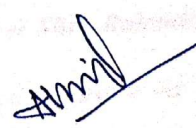
Date: 07/2022

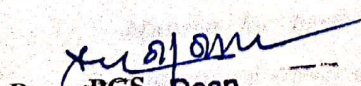
**CERTIFICATE FROM THE MAJOR ADVISOR**

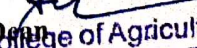
This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. Vishuddha Nand

(Major Advisor)

  
Head of the Department

  
Dean, PGS  
Post Graduate Studies

  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya



### CERTIFICATE-III

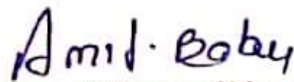
#### DECLARATION FOR ANTI-PLAGIARISM

I Amit Babu, Id. No. A-11609/20 certify that the thesis entitled "Effect of integrated nutrient management on productivity of late sown wheat (*Triticum aestivum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Agronomy to the college of Agriculture, Acharya Narendra Deva University of Agriculture & Technology kumarganj, Ayodhya (U.P) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and prevention of plagiarism in Higher Education Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc. or available at web-cited and included them in thesis and cited as my own work.


Place: Kumarganj, Ayodhya

Date: 07/07/2022

  
(Signature of the candidate)

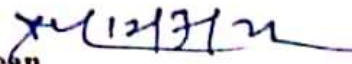
#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
7/7/22  
Head of Department  
HEAD  
Deptt. of Agronomy

  
07/07/2022  
(Major Advisor)

  
Dean PGS  
Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

CERTIFICATE-III

DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Atish Yadav, Id. No. A-9241/16/20 certify that the thesis entitled “Studies on the Bio-efficacy of post emergence herbicide on Rabi maize (*Zea mays* L.)” submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Atishyadav  
(Signature of the candidate)

Date: 30/06/2022

CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

AKS  
30/6/22  
Dr. A.K. Singh  
(Major Advisor)

Atish  
20/7/22  
Dean PGS

Atish  
30/6/22  
Head of the Department  
HEAD  
Deptt. of Agronomy  
A.N.D.U.A.T., Kumarganj  
AYODHYA

Atish  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III


### DECLARATION FOR ANTI PLAGIARISM

I, Mr. Digvijay Singh, Id. No. A-11610/20 certify that the thesis entitled "Effect of irrigation and weed management practices on growth, yield attributes and yield of drum seeded rice (*Oryza sativa* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

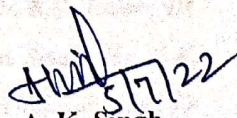
Place: Kumarganj, Ayodhya


Date: 05/07/2022

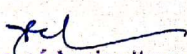
  
(Signature of the candidate)

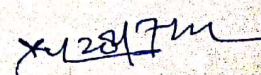
### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. A. K. Singh  
(Major Advisor)

  
HEAD  
Dept. of Department  
A.N.D.U.A.T., Kumarganj  
AYODHYA

  
Dean, College of Agriculture  
A. N. D. U. A. T., of Agric. & Tech.  
Kumarganj - Ayodhya

  
Dean, PGS  
Dean  
Post Graduate Studies

### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

Miss. Divya Singh Id. No. A-9131/16/20 certify that the thesis entitled "Studies on the bio-efficacy of pre & post emergence herbicides in winter maize (*Zea mays* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, Para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included in this thesis and cited as my own work.

*Divya Singh*  
Signature of the candidate

Place: Kumarganj, Ayodhya

Date: 30/06/2022

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*Rajesh Kumar*  
(Rajesh Kumar)  
Major Advisor

*K. S. Singh*  
Dean PGS

*K. S. Singh*  
30/6/22  
Head of the Department  
HEAD

Deptt. of Agronomy  
A.N.D.U.A.T., Kumarganj  
AYODHYA

*K. S. Singh*  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj, Ayodhya

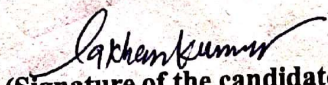
**CERTIFICATE-III**

**DECLARATION FOR  
ANTI PLAGIARISM**

I, Mr. Lakhan Kumar, Id. No. A-11611/20 certify that the thesis entitled "Evaluation Of Herbicides Against Different Weed Flora In Wheat (*Triticum Aestivum* L.) Crop" submitted in partial fulfillment of the requirements for the degree of **Master of Science in Agronomy** to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya

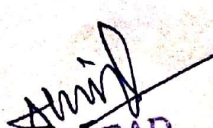
  
(Signature of the candidate)

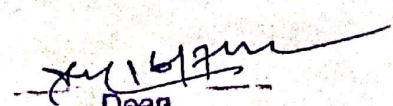
Date: 07/09/2021

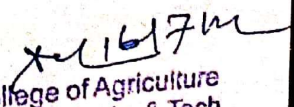
**CERTIFICATE FROM THE MAJOR ADVISOR**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. Rajesh Kumar  
(Major Advisor)

  
HEAD  
Deptt. of Agronomy  
Department., Kumarganj  
AYODHYA

  
Dean  
Post Graduate Studies

  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

# CERTIFICATE - III

## DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Neeraj Kumar, Id. No. A-11612/20 certify that the thesis "Studies on weed management practices under different methods of crop establishment in rice (*Oryza sativa* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Neeraj Kumar*  
(Signature of the candidate)

Date: 14.05.2022

## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
14/05/22  
(Major Advisor)

*[Signature]*  
14/5/22  
Head of the Department  
HEAD  
Deptt. of Agronomy

*[Signature]*  
14/5/22  
Dean, PGS  
Dean  
Post Graduate Studies

*[Signature]*  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

# CERTIFICATE-III

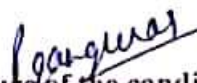
## DECLARATION FOR ANTI-PLAGIARISM

I, Parthik Gangwar, Id. No.: A-11613/20 certify that the thesis entitled "Effect of Fertility level management on the productivity of late sown Wheat (*Triticum aestivum* L.)" submitted in partial fulfillment of the requirements for the degree of M.Sc. (Ag.) Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

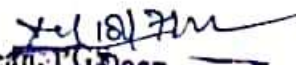
Date: 14-07-2022


  
(Signature of the candidate)


## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Dean, PG  
Post Graduate Studies

  
Head of the Department  
Deptt. of Agronomy

  
Dean,  
College of Agriculture  
A. N. D. Univ. of Agric. & Tech,  
Kumarganj - Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Pradeep Kumar, Id. No. A-11614/20 certify that the thesis entitled "Effect of integrated nutrient management on growth, yield quality of Indian mustard (*Brassica juncea* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

Pradeep Kumar  
(Signature of the candidate)

Date: 08/07/2022

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Dr. Vishuddha Nand  
(Major Advisor)

Head of the Department

Dean, PGS

Dean  
Post Graduate Studies

Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya



## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Prashant Verma, Id. No. A-9257/16/20 certify that the thesis entitled, "Effect of sulphur levels on productivity of different varieties of mustard (*Brassica juncea* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

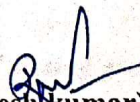
Place: Kumarganj, Ayodhya

Date: 07/07/2022

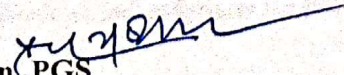
Prashant Verma  
(Signature of the candidate)

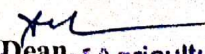
### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Rajesh Kumar)  
Major Advisor

  
HEAD  
Dept. of Agronomy  
ANDHRA PRADESH  
Head of the Department  
AYODHYA

  
Dean, PGS  
Dean  
Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj, Ayodhya

**CERTIFICATE-III**

**DECLARATION FOR  
ANTI PLAGIARISM**

I, Mr. Praveen Kumar, Id. No. A-11615/20 certify that the thesis entitled "Effect of date of sowing and planting geometry on growth and yield of Indian mustard (*Brassica juncea* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

*Praveen Kumar*  
18-07-2022  
(Signature of the candidate)

Place: Kumarganj, Ayodhya

Date: 18-07-2022

**CERTIFICATE FROM THE MAJOR ADVISOR**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*Anil Kumar Singh*  
18/7/22  
Dr. Anil Kumar Singh  
(Major Advisor)

*Anil Kumar Singh*  
18/7/22  
Head of the  
Department

*Anil Kumar Singh*  
18/7/22  
Dean  
Post Graduate Studies

*Anil Kumar Singh*  
18/7/22  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.,  
Kumarganj - Ayodhya

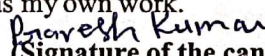
## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, **Mr. Pravesh Kumar**, Id. No. **A-11616/20** certify that the thesis entitled “**Effect of moisture regime under different sowing dates of wheat crop (*Triticum aestivum* L.)**” submitted in partial fulfillment of the requirements for the degree of **Master of Science in Agronomy** to the **College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.)** is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

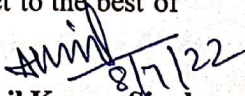
Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 08-07-2022

### CERTIFICATE FROM THE MAJOR ADVISOR


This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
**Dr. Anil Kumar Singh**  
(Major Advisor)

  
Dean, PGS

Dean  
Post Graduate Studies

  
Head of the Department

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech  
Kumarganj - Ayodhya

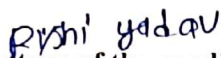
## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Rishi Kumar Yadav, Id. No. A-11617/20 certify that the thesis entitled "Real time nitrogen management in rice (*Oryza sativa* L.)" submitted in partial fulfillment of the requirements for the degree of **Master of Science (Agriculture)** in **Agronomy** to the **College of Agriculture**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

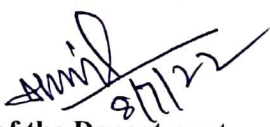
  
(Signature of the candidate)

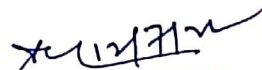
Date:

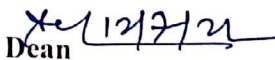
### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Head of the Department  
HEAD  
Deptt. of Agronomy

  
Dean, PGS  
Dean  
Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

# CERTIFICATE-III

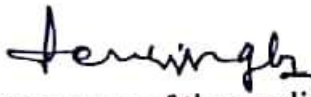
## DECLARATION FOR ANTI-PLAGIARISM

I, Satendra Singh, Id. No.: A-11618/20 certify that the thesis entitled "Effect of different herbicides on weeds and productivity of timely sown wheat (*Triticum aestivum* L.)." submitted in partial fulfillment of the requirements for the degree of M.Sc. (Ag.) Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya

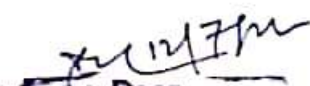
Date:

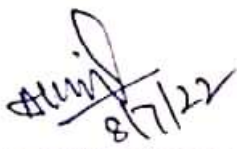
  
(Signature of the candidate)

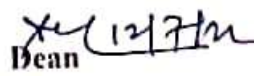
## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. Rajesh Kumar  
(Major Advisor)

  
Dean, PG  
Post Graduate Studies

  
Head of the Department  
Deptt. of Agronomy

  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech  
Kumarganj - Ayodhya

**CERTIFICATE-III**

**DECLARATION FOR ANTI-PLAGIARISM**

I Savita Patel, I.D. No. A-11619/20 certify that the thesis entitled "Effect of zinc on growth, yield attributes and yield of potato (*Solanum tuberosum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Agronomy to the college of Agriculture, Acharya Narendra Deva University of Agriculture & Technology Kumarganj, Ayodhya (U.P) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and prevention of plagiarism in Higher Education Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc. or available at web-cited and included them in thesis and cited as my own work.

(Signature of the candidate)

Place: Kumarganj, Ayodhya

Date:

**CERTIFICATE FROM THE MAJOR ADVISOR**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

(Major Advisor)

8/7/22  
Head of Department  
DEPT  
Deptt. of Agronomy

Dean PG Studies  
Dean Post Graduate Studies

8/7/22  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agriculture & Technology,  
Kumarganj

# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I, **Shubham Kumar Dwivedi**, Id. No.: **A-11620/20** certify that the thesis entitled "**Evaluation of weed management practices under organic system in rice (*Oryza sativa* L.)**" submitted in partial fulfillment of the requirements for the degree of **M.Sc. (Ag.) Agronomy** to the **College of Agriculture**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

*Dwivedi.*  
(Signature of the candidate)

Date:

## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*Amil 6/7/22*  
(Major Advisor)

*Amil 6/7/22*  
Dean, PGSD  
Post Graduate Studies

*Amil 6/7/22*  
HEAD  
Deptt. of Agronomy  
A.N.D.U.A.T., Kumarganj  
AYODHYA

*Amil 6/7/22*  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

### CERTIFICATE-III


#### DECLARATION FOR ANTI-PLAGIARISM

I Miss. Sidra Qidwai , Id. No.- A-11621/20 certify that the thesis entitled "Effect of sulphur and nitrogen levels on growth, yield and quality of mustard [*Brassica juncea* (L.)]" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Agronomy to the college of Agriculture, Acharya Narendra Deva University of Agriculture & Technology kumarganj, Ayodhya (U.P) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and prevention of plagiarism in Higher Education Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc. or available at web-cited and included them in thesis and cited as my own work.

Place: Kumarganj, Ayodhya


Date: 19 July 2022

  
(Signature of the candidate)

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
HEAD  
Head of Department  
A.N.D.U.A.T., Kumarganj  
AYODHYA

Dean

Dean PGS



### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, **Mr. Utkarsh Singh Id. No.: A-11622/20** certifies that the thesis entitled "**Bio-  
efficacy evaluation of Prosulfocarb on weed dynamics and productivity of Wheat crop**"  
submitted in partial fulfilment of the requirements for the degree of "**Master of Science  
(Agriculture)**" with major in "**Agronomy**" to the College of Agriculture, Acharya Narendra  
Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work  
and has similarities with published work not more than minor similarities as per the UGC  
(Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational  
Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research  
workers wherever their works have been cited in the text and body of the thesis. I further  
certify that I have not wilfully lifted up some others' work, para, text, data, results etc.  
reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at  
web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 30-06-2022

(Signature of the candidate)

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of  
my knowledge.

(Major Advisor)

Head of the Department

Dean, PGS  
Dean  
Post Graduate Studies

Dean, ~~Dean~~ of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I, Vikas, Id. No.: A-11623/20 certify that the thesis entitled "Efficacy of herbicides against diverse weed flora of wheat (*Triticum aestivum* L.)" submitted in partial fulfillment of the requirements for the degree of M.Sc. (Ag.) Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

(Signature of the candidate)

Date: 14.05.2022

## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Dr. Vishuddha Nand

(Major Advisor)

Head of the Department  
Deptt. of Agronomy

Dean  
Post Graduate Studies

Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

### CERTIFICATE-III

#### DECLARATION FOR ANTI- PLAGIARISM

I, Mr. Vinod Kumar, Id. No. A-11624/20 certify that the thesis entitled "Effect of weed management practices on weeds and productivity of chickpea (*Cicer arietinum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

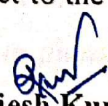
Place: Kumarganj, Ayodhya


Vinod Kumar  
(Signature of the candidate)

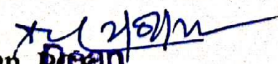
Date: 27/07/2022


#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dr. Rajesh Kumar  
(Major Advisor)

  
HEAD  
Deptt. of Agronomy  
Department,  
A.N.D. Univ. of Agriculture & Tech., Kumarganj  
AYODHYA

  
Dean, Post Graduate Studies

  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj, Ayodhya

CERTIFICATE-III


DECLARATION FOR ANTI-PLAGIARISM

I, Mr. Jampana Gangadhar Reddy, Id. No. A-11749/20 certify that the thesis entitled "Study on performance of nitrogen management through conventional urea and nano urea in wheat crop (*Triticum aestivum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

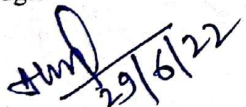
Place: Kumarganj, Ayodhya

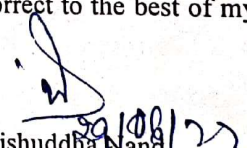
Date: 25/06/2022

  
(Signature of the candidate)

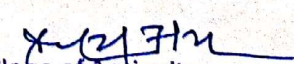
CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department  
**HEAD**  
Deptt. of Agronomy

  
Dr. Vishuddha Nand  
(Major Advisor)

  
Dean  
Post Graduate Studies

  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III

I Sampriti Bormudoi, Id No. A-11752/20 certify that the thesis entitled "Effect of establishment methods and nitrogen levels on the productivity of rice (*Oryza sativa* L.)" submitted in partial fulfillment of the requirements for the degree of **Master of Science (Agriculture)** in the subject of **Agronomy** to the Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university. I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that that I have not will fully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

*Bormudoi*

(Signature of the candidate)

Place: Kumarganj, Ayodhya

Date: 30 June, 2022.

## CERTIFICATE FROM THE MAJOR ADVISOR

This is to clarify that the above statement made by the candidate is correct to the best of my knowledge.

*AMM*  
30/6/22  
(Major Advisor)

*AMM*  
30/6/22  
Head of the Department  
A.N.D.U.A.T., Kumarganj  
AYODHYA

*AMM*  
30/6/22  
Dean  
Post Graduate Studies

*AMM*  
30/6/22  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech,  
Kumarganj - Ayodhya

# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I, Shiv Sundar Jena, Id.No.A- 11753/20 certifies that the thesis entitled "Assessing the influence of integrated weed management practices on productivity of drum seeded rice" (*Oryza sativa* L.) submitted in partial fulfilment to the requirements for the degree of M.Sc. (Ag.) in Agronomy to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not will fully lifted up some others' work, Para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Shiv Sundar jena*  
(Signature of the candidate)

Date: 4th July 2022

## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
Dean PGS  
Dean  
Post Graduate Studies

*[Signature]*  
HEAD  
Head of the Department  
A.N.D.U.A.T., Kumarganj  
AYODHYA

*[Signature]*  
(Major Advisor)

*[Signature]*  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I **Vimlesh Kumar** Id No **A-11182/19** certify that the thesis entitled "Knowledge and Adoption of Improved Sugarcane Production Technology by the farmers in Lakhimpur (Kheri) District of Uttar Pradesh" submitted in partial fulfilment of the requirements for the degree of M.Sc. (Ag.) in Extension Education to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not wilfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Vimlesh Kumar*  
(Signature of the candidate)

Date: 03/08/2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
(Major Advisor)

*[Signature]*  
09.8.2021  
Head of the Department  
प्रसार शिक्षा विभाग  
आमनउदो कृषि एवं प्रौढविज्ञान कुमार्गंज, अयोध्या

*[Signature]*  
Dean, PGSDean  
Post Graduate Studies

*[Signature]*  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj, Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Subedar Yadav, Id. No A-11180/19 certify that the thesis entitled "Study on knowledge and adoption of Farmers about Hybrid Rice Production Technology in Sultanpur District of Uttar Pradesh" submitted in partial fulfilment of the requirements for the degree of M.Sc. (Ag) in Extension Education to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not wilfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Subedar yadav*  
(Signature of the candidate)

Date: 03/08/21

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
03.8.2021  
(Major Advisor)

*[Signature]*  
Incharge 03.8.2021  
Dept. of Ext. Edu.  
Head of the Department  
ANDUAT, Kumarganj-Ayodhya

24/10/21  
Dean, PG  
Post Graduate Studies

*[Signature]*  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya



## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Shankar Dayal, Id. No. A -11179/19 certify that the thesis entitled "Study on Knowledge and Adoption of weed management practices in rabi crops in Lakhimpur Kheri District of (U.P.)" submitted in partial fulfillment of the requirements for the degree of M.Sc. (Ag.) in Extension Education to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

*Shankar Dayal*  
(Signature of the candidate)

Place: Kumarganj, Ayodhya

Date: 09-8-2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*R. L. Singh*  
Incharge  
Dept. of Ext. Edu.  
Head of the Department  
ANDUAT, Kumarganj-Ayodhya

*R. L. Singh*  
09.8.2021  
(Major Advisor)

*A. S. Singh*  
Dean  
Post Graduate Studies

*A. S. Singh*  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

CERTIFICATE-III

DECLARATION FOR ANTI-PLAGIARISM

I Sapana Maurya, Id. No A-11178/19 certify that the thesis entitled "Study on Knowledge & Adoption level of farmers on Production Technology & Marketing of Maize in Jaunpur District of Uttar Pradesh." submitted in partial fulfilment of the requirements for the degree of M.Sc.(Ag.) in Extension Education to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not wilfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 31/07/2021

*Sapana Maurya*  
(Signature of the candidate)

CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*Rhy*  
31.7.2021

Incharge  
Head of the Department  
Dept. of Ext. Ed.  
ANDUAT, Kumarganj-Ayodhya

*Rhy*  
31.7.2021  
(Major Advisor)

*XUMJ*  
Dean, PGS  
Dean  
Post Graduate Studies

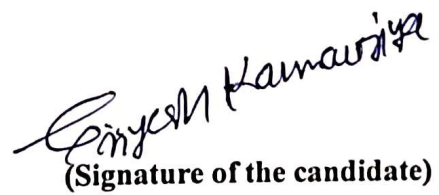
*WJAM*  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, **Girijesh Kannaujiya**, Id.No. A-11174/19 certify that the thesis entitled “**Study on knowledge and adaption of soil testing regarding utility of soil health card in Maharajganj district of Uttar Pradesh**” submitted in partial fulfillment of the requirements for the degree of **M.Sc. (Ag.) in Extension Education** to the College of **Agriculture**, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

  
(Signature of the candidate)

Place: Kumarganj, Ayodhya

Date:

---

**CERTIFICATE FROM THE MAJOR ADVISOR**


---

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
**(Major Advisor)**  
29.8.2021

  
**Head of the Department**  
**Deptt. of Ext. Edu.**  
**ANDUAT, Kumarganj-Ayodhya**  
10.8.2021

  
**Dean PGSS**  
**Post Graduate Studies**  
19/21

  
**Dean**  
**Dean, College of Agriculture**  
**A. N. D. Univ. of Agric. & Tech.**  
**Kumarganj - Ayodhya**

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Ankit Kumar Id. No A-11173/19 certify that the thesis entitled "Adoption of improved mango cultivation practices by the farmers in Lucknow District of Uttar Pradesh" submitted in partial fulfilment of the requirements for the degree of M.Sc. (Ag.) in Extension Education to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U P) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not wilfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Ankit Kumar  
(Signature of the candidate)

Place: Kumarganj, Ayodhya

Date: 03/08/2021

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

(Major Advisor)

Head of the Department

Dean, PG  
Post Graduate Studies

Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

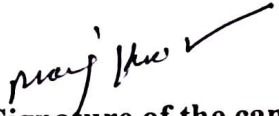
## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Manoj Kumar Id. No. A -11175/19 certify that the thesis entitled "Adoption of improved maize production technology by the farmers in Badaun District of (U.P.)" submitted in partial fulfillment of the requirements for the degree of M.Sc. (Ag.) in Extension Education to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 09/08/21

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
09.8.2021

  
(Major Advisor)

  
Head of the Department  
Deptt. of Ext. Edu.  
ANDUAT, Kumarganj-Ayodhya

  
Dean, PGGS  
Post Graduate Studies

  
Dean, College of Agriculture  
A. N. D. University of Agriculture

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Piyush Tripathi Id. No A-11176/19 certify that the thesis entitled "Study on knowledge and adoption of dairy in Gorakhpur District of Uttar Pradesh" submitted in partial fulfilment of the requirements for the degree of M.Sc. (Ag.) in Extension Education to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not wilfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Piyush Tripathi*  
(Signature of the candidate)

Date:

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*R. L.*  
06.8.2021  
(Major Advisor)

*R. L.*  
06.8.2021  
Head of the Department

*R. L.*  
06.8.2021  
Dean  
PGS  
Graduate Studies

*R. L.*  
06.8.2021  
Dean  
College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III

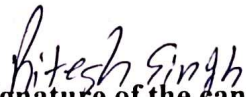
### DECLARATION FOR ANTI-PLAGIARISM

I Ritesh Singh, Id. No A-11177/19 certify that the thesis entitled "Critical analysis of problems and prospects of radish cultivation in Jaunpur district of Uttar Pradesh." submitted in partial fulfilment of the requirements for the degree of M.Sc. (Ag.) in Extension Education to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not wilfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

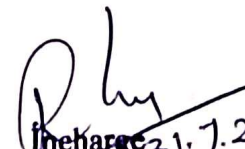
Date: 30<sup>th</sup> July


  
(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR


This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
31.7.2024  
(Major Advisor)

  
Incharge 31.7.2024  
Head of the Department  
ANDUAT, Kumarganj-Ayodhya

  
Dean  
Post Graduate Studies

Dean, PGS

  
31/7/24  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya



## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Rajesh Kumar, Id. No. A-11112/19 certify that the thesis entitled "Genetic analysis of yield it's contributing characters of chickpea (*Cicer arietinum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

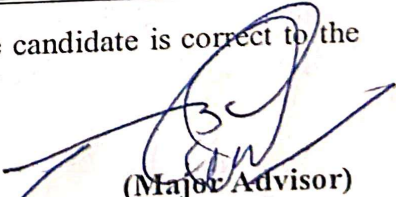
Rajesh Kumar  
(Signature of the candidate)

Date: 6/4/22

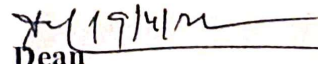
### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
HEAD  
Deptt. of G.P.B.  
N.D.U.A.T., Kumarganj Falzabao  
Head of the Department

  
(Major Advisor)

  
Dean, PGSS  
Post Graduate Studies

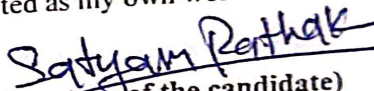
  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

CERTIFICATE-III

DECLARATION FOR ANTI-PLAGIARISM

I Satyam Pathak, Id.No. A-11637/20 certify that the thesis entitled "Germplasm evaluation of scented and non-scented rice (*Oryza sativa* L.) under irrigated condition" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

  
(Signature of the candidate)

Place: Kumarganj, Ayodhya


Date: 20/5/22


CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
(Major Advisor)

  
Dean DGS  
Post Graduate Studies

  
Head of the Department  
HEAD  
Deptt. of G.P.B.  
N.D.U.A.T., Kumarganj Falzabad

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Manoj Tiwari, Id. No. A-11629/20 certify that the thesis entitled "Genetic variability and divergence analysis in indigenous and exotic barley (*Hordeum vulgare* L.)" submitted in partial fulfillment of the requirements for the degree of M. Sc. (Ag.) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 16/06/2022

Manoj Tiwari

(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Manoj Tiwari

(Major Advisor)

16/6/22

Head of the Department

HEAD

Deptt. of G.P.B.

N.D.U.A.T., Kumarganj Falzabad

Dean, PGS

Dean

Post Graduate Studies

Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech  
Kumarganj - Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Vimal Kumar Singh, Id No. A-11640/20 certify that the thesis entitled "Genetic variability and association studies in barley (*Hordeum vulgare* L.)" submitted in partial fulfilment of the requirements for the degree of M.Sc. (Ag) in Genetics and Plant Breeding to the collage of Agriculture ,Acharya Narendra Deva University of Agriculture, Kumarganj, Ayodhya (U.P) is original work and has similarities with published work not more than minor similarities as per UGC (promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018 adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not wilfully lifted up some others' work , para, data results etc. Reported in the journal, books, magazines, reports, dissertations, thesis etc. Or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Vimal Kumar Singh*  
(Signature of the candidate)

Date: 16.6.2022

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
16/6/22  
Head of the Department  
HEAD  
Deptt. of G.P.B,  
A.N.D.U.A.T., Kumarganj Falzabac

*[Signature]*  
Major Advisor

*[Signature]*  
Dean, P.G.S  
Post Graduate Studies

*[Signature]*  
Dean  
College of Agri  
A. N. D. Univ. of Agri. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III

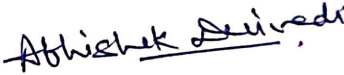
### DECLARATION FOR ANTI-PLAGIARISM

I Abhishek Dwivedi, Id. No. A-11625/20 certify that the thesis entitled "Genetic variability and association studies in wheat (*Triticum aestivum* L.) under restricted irrigation condition" submitted in partial fulfillment of the requirements for the degree of M. Sc. (Ag.) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 28 June 2022

  
(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR


This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

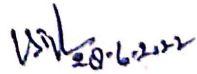
  
Head of the Department

HEAD

Deptt. of G.P.B.

N.D.U.A.T., Kumarganj Falzabad

  
Dean, PGS  
Dean  
Post Graduate Studies

  
(Major Advisor)

  
Dean

Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, VAIBHAV CHAUHAN, Id. No. A-11639/20 certify that the thesis entitled "Genetic variability and association studies in wheat (*Triticum aestivum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

VAIBHAV  
(Signature of the candidate)

Date: 03/06/2022

#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Head of the Department

Deptt. of G.P.B.  
A.N.D.U.A.T. Kumarganj  
Ayodhya

(Major Advisor)

Dean, PGS  
Dean  
Post Graduate Studies

Dean

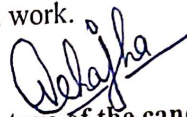
Dean, College of Agriculture  
A. N. D. U. of Agriculture & Tech.  
Kumarganj - Ayodhya

CERTIFICATE-III

DECLARATION FOR ANTI-PLAGIARISM

I, Neha Jha, I.d. No. A-11630/20 certify that the thesis entitled "Studies on character association and genetic diversity in wheat (*Triticum aestivum* L. em. Thell) under Sodic Soil condition" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


  
(Signature of the candidate)

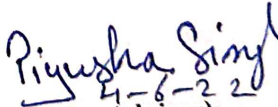
Place: Kumarganj, Ayodhya

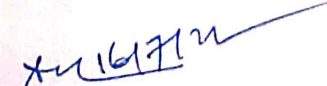
Date: 4/6/22


CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department  
HEAD  
Dept. of G.P.B  
A.N.D.U.A.T. Kumarganj  
Ayodhya

  
Pooja Singh  
21-6-22  
(Major Advisor)

  
Dean, P.G.S.  
Post Graduate Studies


  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Poonam Sharma, I.D. No. A-11755/20 certifies that the thesis entitled "Genetic variability and association in indigenous and exotic rice (*Oryza sativa L.*) under sodic soil" submitted in partial fulfilment of the requirements for the degree of M.Sc.(Agriculture) in Genetics and Plant Breeding to college of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Narendra Nagar Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university. I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not wilfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc.. or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

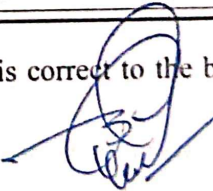
  
(Signature of the candidate)

Date:


### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

  
(Major Advisor)

  
Dean, PGS  
Post Graduate Studies

  
Dean, C.O.A.  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tec  
Kumarganj - Ayodhya



## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Sajan Kumar, Id.No. A-11636/20 certify that the thesis entitled "Studies on genetic variability and character association in chickpea (*Cicer arietinum* L.)" submitted in partial fulfilment of the requirements for the degree of M.Sc. (Ag.) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2020, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Sajan Kumar*  
(Signature of the candidate)

Date: 27/06/2022

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
(Major Advisor)

*[Signature]*  
Dean, PGS  
Dean  
Post Graduate Studies

*[Signature]*  
Head of the Department  
HEAD  
Deptt. of G.P.B.  
N.D.U.A.T., Kumarganj Falzabad

*[Signature]*  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tec.  
Kumarganj, Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Roshani Singh, Id. No. A-11635/20 certify that the thesis entitled "Studies on Genetic Divergence analysis and Character Association of Wheat (*Triticum aestivum* L.) in timely sown Condition" submitted in partial fulfillment of the requirements for the degree of M. Sc. (Ag.) in Genetics and plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 26/6/22

Roshani Singh  
(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Head of the Department

Deptt. of GPB

A.N.D.U.A.T. Kumarganj

Ayodhya

Dean, PGS

Dean  
Post Graduate Studies

W.S.K.  
(Major Advisor)

Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

### CERTIFICATE-III

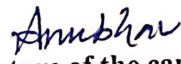
#### DECLARATION FOR ANTI-PLAGIARISM

I, Anubhav Yadav , Id.No. A-11626/20 certify that the thesis entitled “Genetical studies on certain metric traits of barley (*Hordeum vulgare* L.)” submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others’ work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 23-06-2022

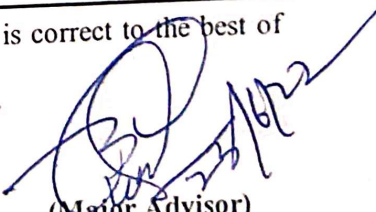
  
(Signature of the candidate)

#### CERTIFICATE FROM THE MAJOR ADVISOR


This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

HEAD  
Deptt. of G.P.B  
A.N.D.U.A.T. Kumarganj  
Ayodhya

  
(Major Advisor)

  
Dean, PGS  
Dean  
Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III

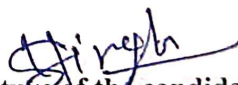
### DECLARATION FOR ANTI-PLAGIARISM

I Hariome Singh, Id. No. A-9247/16/20 certify that the thesis entitled "Studies on character association and genetic divergence in wheat (*Triticum aestivum* L.) for heat tolerance condition" submitted in partial fulfillment of the requirements for the degree of M.Sc. (Ag.) in Genetics and plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya

Date: 27/6/22

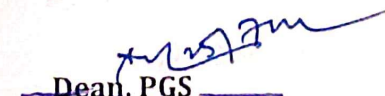
  
(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department  
HEAD  
Deptt of G.P.B  
A.N.D.U.A.T. Kumarganj  
Ayodhya

  
(Major Advisor)

  
Dean, PGS  
Dean  
Post Graduate Studies

  
Dean, CoA  
Dean of Agriculture  
A. N. D. Univ of Agric. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Shivam Tripathi, Id. No. A-11638/20 certify that the thesis entitled "Assessing genetic diversity of wheat (*Triticum aestivum* L. em. Thell) using morphological characters" submitted in partial fulfillment of the requirements for the degree of M. Sc. (Ag.) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not will fully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya  
Date: 27 June 2022

*Shivam Tripathi*  
(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
27/6/2022

Head of the Department  
HEAD  
Deptt. of G.P.B.  
N.D.U.A.T., Kumarganj, Faizabad

*Piyusha Singh*  
(Major Advisor)

*[Signature]*  
Dean, PGS

*[Signature]*  
Dean,  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.

### CERTIFICATE-III


---

#### DECLARATION FOR ANTI-PLAGIARISM

I Sandeep, Id.No. A-9186/16/20 certify that the thesis entitled “Genetic Analysis of Yield and Its Contributing Characters in Rice (*Oryza sativa* L.)” submitted in partial fulfillment of the requirements for the degree of **Master of Science (Agriculture)** in **Genetics and Plant Breeding** to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para. text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 28/6/22

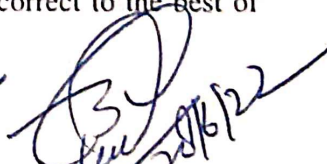
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#### CERTIFICATE FROM THE MAJOR ADVISOR


---

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
HEAD  
Head of the Department  
A.N.D.U.A.T. Kumarganj  
Ayodhya

  
(Major Advisor)

  
Dean, PGS  
Dean  
Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Ashok Kumar Verma, Id. No. A-11627/20 certify that the thesis entitled “Studies on genetic variability and character association in wheat (*Triticum aestivum* L. em. Thell) under late sown condition” submitted in partial fulfillment of the requirements for the degree of M. Sc. (Ag.) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya  
Date: 14 June 2022

*Ashok Verma*  
(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.



Head of the Department  
HEAD

Deptt. of G.P.B  
A.N.D.U.A.T. Kumarganj  
Ayodhya

*Piyush Singh*  
14-6-2022  
(Major Advisor)

*[Signature]*  
Dean  
Post Graduate Studies

*[Signature]*  
Dean

Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Pramod Kumar Bind, Id. No. A-11632/20 certify that the thesis entitled "Studies on genetic variability, character association and genetic divergence for yield and its components in chickpea (*Cicer arietinum* L.) submitted in partial fulfillment of the requirements for the degree of M. Sc. (Ag.) in Genetics & Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 27/06/2022

*Pramod Kumar bind*  
(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

*[Signature]*  
27/6/22  
Head of the Department  
HEAD  
Deptt. of G.P.B  
A.N.D.U.A.T. Kumargani  
Ayodhya

*[Signature]*  
(Major Advisor)

*[Signature]*  
Dean, PGS  
Dean  
Post Graduate Studies

*[Signature]*  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya



**CERTIFICATE-III**

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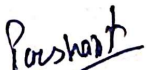
**DECLARATION FOR ANTI-PLAGIARISM**

I Parshant Kumar Sharma, Id No. A-11631/20 certify that the thesis entitled "Studies on genetic variability, associations and divergence in rice (*Oryza sativa* L.)" submitted in partial fulfilment of the requirements for the degree of M.Sc. (Ag) in Genetics and Plant Breeding to the collage of Agriculture, Acharya Narendra Deva University of Agriculture, Kumarganj, Ayodhya (U.P) is original work and has similarities with published work not more than minor similarities s per UGC (promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018 adopted by the university.

I declare that I have faithfully acknowledged, given credit to and refered to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not wilfully lifted up some others' work ,para, data results etc. Reported in the journal, books, magazines, reports, dissertations, thesis etc. Or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 17-6-2022

  
(Signature of the candidate)

**CERTIFICATE FROM THE MAJOR ADVISOR**


---

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

  
Major Advisor

  
Dean, PGS  
Post Graduate Studies

  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

### CERTIFICATE-III


#### DECLARATION FOR ANTI-PLAGIARISM

I, Ramanujam, Id.No. A-11634/20 certify that the thesis entitled "Genetic variability and association studies in rice (*Oryza sativa* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

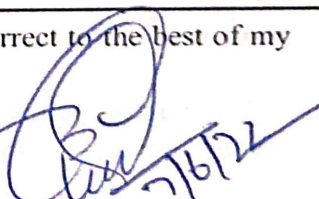
Date: 07/06/2022


  
(Signature of the candidate)


#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department  
HEAD  
Deptt. of G.P.B  
A.N.D.U.A.T. Kumarganj  
Ayodhya

  
(Major Advisor)

  
Dean, PGS  
Post Graduate Studies

  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

# CERTIFICATE-III

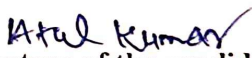
## DECLARATION FOR ANTI-PLAGIARISM

I Atul Kumar, Id. No. A-11628/20 certify that the thesis entitled "Evaluation of urdbean (*Vigna mungo* L.) germplasm" submitted in partial fulfillment of the requirements for the degree of M. Sc. (Ag.) in Genetics and plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya

Date: 17-6-2022


  
(Signature of the candidate)


## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department  
Deptt. of G.P.B.  
A.N.D.U.A.T. Kumarganj  
Ayodhya

  
(Major Advisor)

  
Dean, PGS  
Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech  
Kumarganj - Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Priya Sharma, Id. No. A-11633/20 certify that the thesis entitled "Genetic analysis in mungbean (*Vigna radiata* L. Wilczek)" submitted in partial fulfillment of the requirements for the degree of M. Sc. (Ag.) in Genetics and plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

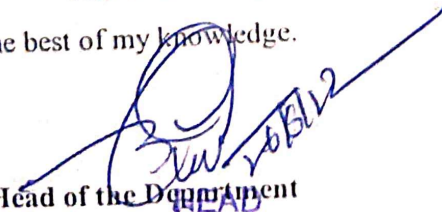
I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work. para. text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya  
Date: 27-06-2022


Priya Sharma  
(Signature of the candidate)

### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department  
Deptt. of G.P.B  
A.N.D.U.A.T. Kumarganj  
Ayodhya  
Dean, PG  
Post Graduate Studies

  
(Major Advisor)

  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

CERTIFICATE-III

DECLARATION FOR ANTI-PLAGIARISM

I, Ramanujam, Id.No. A-11634/20 certify that the thesis entitled "Genetic variability and association studies in rice (*Oryza sativa* L.) " submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

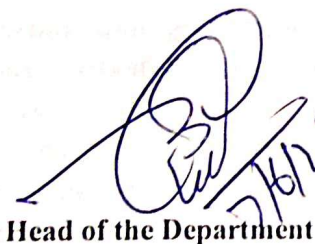
Date: 07/06/2022



(Signature of the candidate)

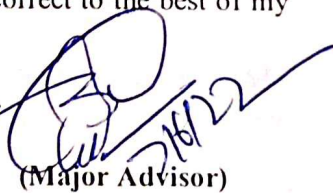
CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

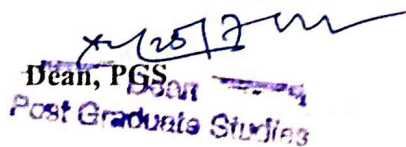


Head of the Department

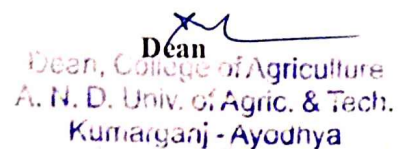
HEAD  
Deptt. of G.P.B  
A.N.D.U.A.T. Kumarganj  
Ayodhya



(Major Advisor)



Dean, PGS  
Post Graduate Studies



Dean  
College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I Rajesh Kumar, Id. No. A-11112/19 certify that the thesis entitled "Genetic analysis of yield it's contributing characters of chickpea (*Cicer arietinum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

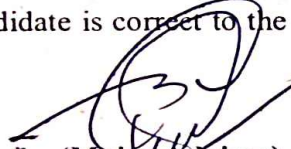
Rajesh Kumar  
(Signature of the candidate)

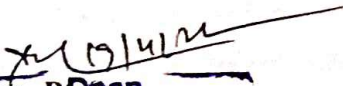
Date: 06/04/2022

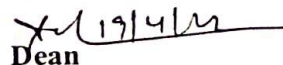
## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
HEAD  
Dept. of G.P.B.  
N.D.U.A.T., Kumarganj Faizabad  
Head of the Department

  
(Major Advisor)

  
Dean, Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya




### CERTIFICATE-III

#### DECLARATION OF ANTI PLAGIARISM

I Anand Mohan Choudhary, Id No.-A-8149/14/16 certify that the thesis entitled “Genetic Variability, gene action and heterosis for yield and its contributing traits in rice (*Oryza sativa* L.) under sodic soil” submitted in partial fulfillment of the requirements for the degree of Ph.D. in Genetics & Plant Breeding to the college of agriculture, Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya, (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of academic integrity and prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others’ work, para, text, data, results reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at the website and included them in this thesis and cited as my own work.

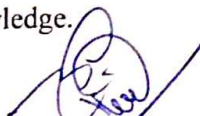
Place: Kumarganj, Ayodhya


  
Signature of candidate

Date:

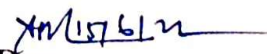
#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Major Advisor

  
Head of the department  
**HEAD**

Deptt. of G.P.B  
A.N.D.U.A.T. Kumarganj  
Ayodhya

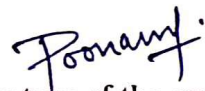
  
Dean

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Poonam Sharma, I.D. No. A-11755/20 certifies that the thesis entitled "Genetic variability and association in indigenous and exotic rice (*Oryza sativa L.*) under sodic soil" submitted in partial fulfilment of the requirements for the degree of M.Sc.(Agriculture) in Genetics and Plant Breeding to college of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Narendra Nagar Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university. I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not wilfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya

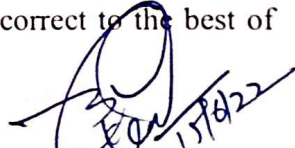
  
(Signature of the candidate)

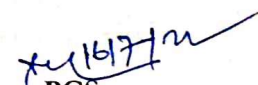
Date: 15/6/22


### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

  
(Major Advisor)

  
Dean, PGS  
Dean  
Post Graduate Studies

  
Dean, C.O.A  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya



# CERTIFICATE-III

## DECLARATION FOR ANTI- PLAGIARISM

I Narang Kapoor, I.d. No. A-11695/20 certify that the thesis entitled "Studies on Seed and Seedling traits in Rice (*Oryza sativa* L.)" submitted in partial fulfilment of the requirements for the degree of M.Sc. (Ag) in Seed Science and Technology to the College of agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya ( U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institution ) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not will fully lifted up some others work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Narang Kapoor  
(Signature of the candidate)

Place: Kumarganj, Ayodhya

Date: ..24/6/22

---

### CERTIFICATE FROM THE MAJOR ADVISOR

---

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Head of the Department  
Head

Deptt. of Seed Science & Technology  
N. D. U. A. & T., Kumarganj

Dean, PGS  
Dean  
Post Graduate Studies

(Major Advisor)

Dean

Dean, College of Agriculture  
A. N. D. Univ. of Agno. & Tech  
Kumarganj - Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Lakhandar Chauhan, Id. No. A-11694/20 certify that the thesis entitled "Studies on genetic variability, seed dormancy and seed quality parameters in rice (*Oryza sativa* L.)" submitted in partial fulfillment of the requirements for the degree of M. Sc. (Ag.) in Seed Science and Technology to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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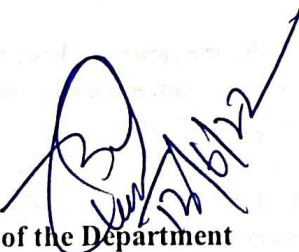
Place: Kumarganj, Ayodhya


Date: 13 June, 2022

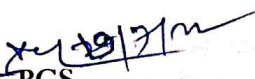
  
(Signature of the candidate)


### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

  
(Major Advisor)

  
Dean, PGS  
Dean  
Post Graduate Studies

  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech  
Kumarganj - Ayodhya

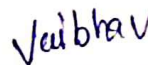
### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, VAIBHAV CHAUHAN, Id. No. A-11639/20 certify that the thesis entitled “Genetic variability and association studies in wheat (*Triticum aestivum* L.)” submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others’ work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 03/06/2022

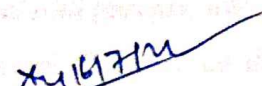
#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

HEAD  
Deptt. of G.P.B  
A.N.D.U.A.T. Kumarganj  
Ayodhya

  
(Major Advisor)

  
Dean, PGCS  
Post Graduate Studies

  
Dean

Dean, College of Agriculture  
A. N. D. Univ of Agric. & Tech.  
Kumarganj - Ayodhya

**CERTIFICATE-III**

---

**DECLARATION FOR ANTI-PLAGIARISM**

I, Anubhav Yadav , Id.No. A-11626/20 certify that the thesis entitled "Genetical studies on certain metric traits of barley (*Hordeum vulgare* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

*Anubhav*  
(Signature of the candidate)

Date: 23-06-2022

---

**CERTIFICATE FROM THE MAJOR ADVISOR**

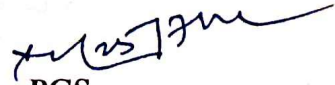
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This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

HEAD  
Deptt. of G.P.B  
A.N.D.U.A.T. Kumarganj  
Ayodhya

  
(Major Advisor)

  
Dean, PGS

Dean  
Post Graduate Studies

  
Dean

Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

# CERTIFICATE-III


## DECLARATION FOR ANTI-PLAGIARISM

I Ajay Pratap Singh, Id. No. A-11693/20 certify that the thesis entitled "Studies on genetic variability and character association for yield, yield contributing attributes and seed quality parameters in rice (*Oryza sativa* L.)" submitted in partial fulfillment of the requirements for the degree of M. Sc. (Ag.) in Seed Science and Technology to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya

Date: 13 June, 2022

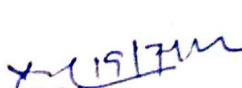
  
(Signature of the candidate)


## CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

  
(Major Advisor)

  
Dean, PGS  
Dean  
Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech  
Kumarganj, Ayodhya



**CERTIFICATE-III**

**DECLARATION OF ANTI PLAGIARISM**

I Anand Mohan Choudhary, Id No.-A-8149/14/16 certify that the thesis entitled “Genetic Variability, gene action and heterosis for yield and its contributing traits in rice (*Oryza sativa* L.) under sodic soil” submitted in partial fulfillment of the requirements for the degree of Ph.D. in Genetics & Plant Breeding to the college of agriculture, Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya, (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of academic integrity and prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Signature of candidate

Place: Kumarganj, Ayodhya

Date:

**CERTIFICATE FROM THE MAJOR ADVISOR**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Major Advisor

Head of the department

**HEAD**

Deptt. of G.P.B  
A.N.D.U.A.T. Kumarganj  
Ayodhya

Dean

**CERTIFICATE-III**

---

**DECLARATION FOR ANTI-PLAGIARISM**

I Satyam Pathak, Id.No. A-11637/20 certify that the thesis entitled “Germplasm evaluation of scented and non-scented rice (*Oryza sativa* L.) under irrigated condition” submitted in partial fulfillment of the requirements for the degree of **Master of Science (Agriculture) in Genetics and Plant Breeding** to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others’ work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

Date: 

---


**CERTIFICATE FROM THE MAJOR ADVISOR**

---

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department  
**HEAD**  
Deptt. of G.P.B.  
N.D.U.A.T., Kumarganj Falzabad

  
(Major Advisor)

  
Dean, BGS  
**Post Graduate Studies**

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

**CERTIFICATE-III**

---

**DECLARATION FOR ANTI-PLAGIARISM**

I Sandeep, Id.No. A-9186/16/20 certify that the thesis entitled "*Genetic Analysis of Yield and Its Contributing Characters in Rice (Oryza sativa L.)*" submitted in partial fulfillment of the requirements for the degree of **Master of Science (Agriculture) in Genetics and Plant Breeding** to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

  
(Signature of the candidate)

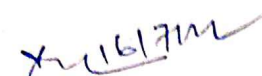
Date: 28/6/22


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**CERTIFICATE FROM THE MAJOR ADVISOR**

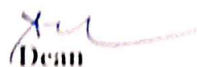
---

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Dean, PGS  
Post Graduate Studies

  
Head of the Department  
HEAD  
Dept. of G.P.B  
A.N.D.U.A.T. Kumarganj  
Ayodhya

  
(Major Advisor)

  
Dean, College of Agriculture  
A. N. D. U. A. T. Kumarganj, Ayodhya



## CERTIFICATE-III

### DECLARATION FOR ANTI- PLAGIARISM

I Narang Kapoor, I.d. No. A-11695/20 certify that the thesis entitled "Studies on Seed and Seedling traits in Rice (*Oryza sativa* L.)" submitted in partial fulfilment of the requirements for the degree of M.Sc. (Ag) in Seed Science and Technology to the College of agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya ( U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institution ) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

Date: ..24/6/22

Narang Kapoor  
(Signature of the candidate)

---

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### CERTIFICATE FROM THE MAJOR ADVISOR

---

---

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Head of the Department  
Head

Deptt. of Seed Science & Technology  
N. D. U. A. & T., Kumarganj

Dean, PGS

Dean  
Post Graduate Studies

(Major Advisor)

Dean

Dean, College of Agriculture  
A. N. D. Univ. of Agro. & Tech.  
Kumarganj - Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I, Poonam Sharma, I.D. No. A-11755/20 certifies that the thesis entitled "Genetic variability and association in indigenous and exotic rice (*Oryza sativa* L.) under sodic soil" submitted in partial fulfilment of the requirements for the degree of M.Sc.(Agriculture) in Genetics and Plant Breeding to college of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Narendra Nagar Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university. I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not wilfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya

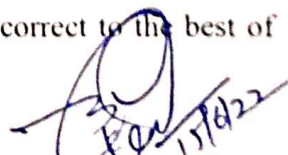
  
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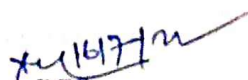
Date: 15/6/22


### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

  
(Major Advisor)

  
Dean, PGS  
Dean  
Post Graduate Studies

  
Dean, C.O.A  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I Lakhandar Chauhan, Id. No. A-11694/20 certify that the thesis entitled "Studies on genetic variability, seed dormancy and seed quality parameters in rice (*Oryza sativa* L.)" submitted in partial fulfillment of the requirements for the degree of M. Sc. (Ag.) in Seed Science and Technology to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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Place: Kumarganj, Ayodhya

Date: 13 June 2022



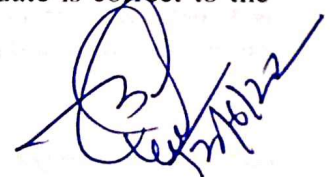
(Signature of the candidate)

## CERTIFICATE FROM THE MAJOR ADVISOR

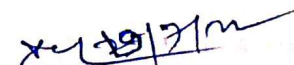
This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

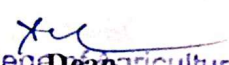


Head of the Department



(Major Advisor)

  
Dean, PGS  
Dean  
Post Graduate Studies

  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya

### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, VAIBHAV CHAUHAN, Id. No. A-11639/20 certify that the thesis entitled “Genetic variability and association studies in wheat (*Triticum aestivum* L.)” submitted in partial fulfillment of the requirements for the degree of **Master of Science (Agriculture)** in **Genetics and Plant Breeding** to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others’ work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya

Date: 08/06/2022

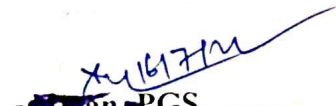
*Vaibhav*  
(Signature of the candidate)


#### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department  
HEAD  
Deptt. of G.P.B  
A.N.D.U.A.T. Kumarganj  
Ayodhya

  
(Major Advisor)

  
Dean, PGCS  
Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj-Ayodhya

### CERTIFICATE-III

#### DECLARATION FOR ANTI-PLAGIARISM

I, Anubhav Yadav , Id.No. A-11626/20 certify that the thesis entitled “Genetical studies on certain metric traits of barley (*Hordeum vulgare* L.)” submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work. para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.


Place: Kumarganj, Ayodhya

Anubhav  
(Signature of the candidate)

Date: 23-06-2022

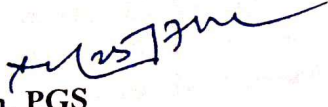
#### CERTIFICATE FROM THE MAJOR ADVISOR


This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
Head of the Department

HEAD  
Deptt. of G.P.B  
A.N.D.U.A.T. Kumarganj  
Ayodhya

  
(Major Advisor)

  
Dean, PGS  
Dean  
Post Graduate Studies

  
Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Techn.  
Kumarganj - Ayodhya

# CERTIFICATE-III

## DECLARATION FOR ANTI-PLAGIARISM

I Ajay Pratap Singh, Id. No. A-11693/20 certify that the thesis entitled "Studies on genetic variability and character association for yield, yield contributing attributes and seed quality parameters in rice (*Oryza sativa* L.)" submitted in partial fulfillment of the requirements for the degree of M. Sc. (Ag.) in Seed Science and Technology to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some other's work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Date: 13 June, 2022



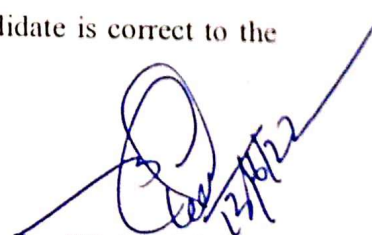
(Signature of the candidate)

## CERTIFICATE FROM THE MAJOR ADVISOR


This is to certify that the above statement made by the candidate is correct to the best of my knowledge.




Head of the Department



(Major Advisor)



Dean, PGS  
Dean  
Post Graduate Studies



Dean  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech  
Kumarganj, Ayodhya

## CERTIFICATE-III

### DECLARATION FOR ANTI-PLAGIARISM

I Rajesh Kumar, Id. No. A-11112/19 certify that the thesis entitled "Genetic analysis of yield it's contributing characters of chickpea (*Cicer arietinum* L.)" submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and body of the thesis. I further certify that I have not willfully lifted up some others' work, para, text, data, results etc. reported in the journals, books, magazines, reports, dissertations, thesis etc., or available at web-sites and included them in this thesis and cited as my own work.

Place: Kumarganj, Ayodhya

Rajesh Kumar  
(Signature of the candidate)

Date: 06/04/2022

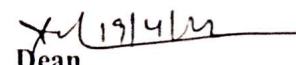
### CERTIFICATE FROM THE MAJOR ADVISOR

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
N.D.U.A.T. Kumarganj Falzabad  
Head of the Department

  
(Major Advisor)

  
Dean, Post Graduate Studies

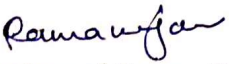
  
Dean, College of Agriculture  
A. N. D. Univ. of Agric. & Tech.,  
Kumarganj - Ayodhya

CERTIFICATE-III

DECLARATION FOR ANTI-PLAGIARISM

I, Ramanujam, Id.No. A-11634/20 certify that the thesis entitled "Genetic variability and association studies in rice (*Oryza sativa* L.) " submitted in partial fulfillment of the requirements for the degree of Master of Science (Agriculture) in Genetics and Plant Breeding to the College of Agriculture, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya (U.P.) is original work and has similarities with published work not more than minor similarities as per the UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, adopted by the university.

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(Signature of the candidate)

Place: Kumarganj, Ayodhya


Date: 07/06/2022

CERTIFICATE FROM THE MAJOR ADVISOR


This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

  
7/6/22  
Head of the Department

HEAD  
Dept. of G.P.B  
A.N.D.U.A.T. Kumarganj  
Ayodhya

  
7/6/22  
(Major Advisor)

  
Dean, PGS  
Post Graduate Studies

  
Dean  
College of Agriculture  
A. N. D. Univ. of Agric. & Tech.  
Kumarganj - Ayodhya