



आचार्य नरेन्द्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय,
कुमारगंज, अयोध्या-224 229 (उ0प्र0), भारत
Acharya Narendra Dev University of Agriculture & Technology
Kumarganj Ayodhya.224229 (U.P) , India.

Website : www.nduat.org Email: registrar.nd.15@gmail.com

Phone : 05270-262035



Index

S.No.	Particulars	Page No.
1.	Code of Ethics	1
2.	Year wise poultry and livestock numbers in University	2-3
3.	Registration of Establishment with CPCSEA / Constitution of Institutional Animals Ethics Committee (IAEC)	4-5
4.	Proceddings	6-18



आचार्य नरेन्द्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय
कुमारगंज, अयोध्या-224 229 (उ.प्र.), भारत
Acharya Narendra Deva University of Agriculture & Technology,
Kumarganj, Ayodhya-224 229 (U.P.), India
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CODE OF ETHICS

The code of ethics of ANDUAT, Kumarganj, Ayodhya mandated research guides, research scholars and the system of assessment of academic and research work leading to award of degree at masters and Ph.D level. This leads in the form of thesis and research publications, chapters of books and other similar works which reflect the highest element of academic integrity and originality observed as per stipulations of the university and UGC in its draft policy.

The university is the autonomous body gives utmost importance to encouraging its faculty to follow ethical guidelines established by the university. ANDUAT follows the national and global ethics in its research. The university has established internal ethics committee for research involving agricultural animal science and community science subjects. The researches are done on Standard Operating Procedures (SOP) of ethics as approved by the respective committees such as ethical committee and animal ethical committees.

The research council of the university promotes intellectual honesty and integrity among researchers and encourages ideal research habits to ensure such values the colleges of the university offers agricultural courses on research viz research ethics and rural development programmes and Research methodology in forestry and publication ethics for PhD scholars.

Animal ethics committee responsible for approving the monitoring research within Accredited Animal Research Establishments, including carrying out inspection of animals and facilities. The researchers of this university follow the animal ethical guidelines for any kind of research works related to animals as approved the committee.

The university encourages the departments to conduct workshops/webinar/trainings etc. in research methodology where ethics in research is our integral part, awareness is also created to faculty members by inviting talks on IPR, patents and ethics in research.


Registrar

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



College of Veterinary Sciences & Animal Husbandry
Acharya Narendra Deva University of Agriculture & Technology,
Kumarganj, Ayodhya-224229 (U.P.), India

Year wise Poultry Position (Number)

S.No.	Financial Year	Poultry
1.	2017-2018	193
2.	2018-2019	193
3.	2019-2020 (06.12.2019- 31.03.2020)	393
4.	2020-2021	310
5.	2021-2022	618

SV
6.9.2022

Principal Investigator
Poultry Project, RKVY

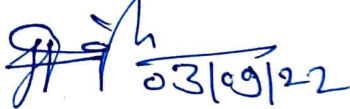
Principal Investigator
Poultry Project, R.K.V.Y
C.V.Sc.&A.H., A.N.D.U.A.
Kumarganj-Ayodhya



College of Veterinary Sciences & Animal Husbandry
Acharya Narendra Deva University of Agriculture & Technology,
Kumarganj, Ayodhya-224229 (U.P.), India

Year wise Livestock Position (Number)

S.No.	Year	Cattle	Buffalo	Sheep & Goat	Pig
1.	2017-2018	88	43	120	18
2.	2018-2019	119	48	93	27*
3.	2019-2020	138	56	99	22
4.	2020-2021	116	55	76	23
5.	2021-2022	108	57	95	20


03/09/22

Head

I.L.F.C., CV.Sc. & A.H.





भारत सरकार
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
पशु कल्याण विभाग
पशुओं पर परीक्षण के नियंत्रण एवं पर्यवेक्षण के प्रयोजनार्थ समिति (सीपीसीएसईए)

Government of India
Ministry of Environment, Forest and Climate Change
Animal Welfare Division
Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA)



Date:19/03/2019

To

The Professor
College of Veterinary Science and Animal Husbandry
Kumarganj Faizabad 224 229
E-mail:
Mobile: 5270262002

Subject: Registration of Establishment with CPCSEA / Constitution of Institutional Animals Ethics Committee (IAEC) - regarding

Sir,

This is with reference to your application on the above mentioned subject. Your establishment has been registered with CPCSEA for the purpose of ‘ Small animal:- Research for Education purpose, Breeding for in-house use Large animal:- Research for Education purpose ’.

- The Registration number is 2060/GO/ReBi-S/Re-L/19/CPCSEA and the registration is valid up to five years from the date of issue of this letter. Henceforth, the above registration number may be quoted in all your future correspondence with this office.
- Further, the biodata and consent letters of 5 IAEC members submitted by you are as per rule. Therefore, CPCSEA has accepted the following members recommended by your establishment:

S. No.	Name	Designation in IAEC
1	Dr V K Singh	Biological Scientist (Chairperson)
2	Dr S K Maurya	Scientist from different biological discipline (Member Secretary)
3	Dr Sushant Srivastava	Scientist from different biological discipline (NA)
4	Dr A K Gangwar	Veterinarian (NA)
5	Dr Rishikant	Scientist Incharge of Animal House Facility (NA)

- CPCSEA hereby nominates the following members to the Institutional Animals Ethics Committee (IAEC) of your establishment:

1	Dr. D.S. Upadhyay CSIR – Central Drug Research Institute, Luckno Professor (AcSIR), cum Chief Scientist & Head, Laboratory Animal Facility / Exp. About 35 years Chief Scientist & Head, Laboratory Animal Facility, B.S. 10/1, Sector 10, Jankipuram Extension, Sitapur Road, Lucknow – 226031, Uttar Pradesh Contact No :9415584217 Email :dsucdri@rediffmail.com	Main Nominee
2	Dr. Atul Kumar Baranwal Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow Veterinary Scientist – I, Animal House 3 years of experience S-568, Sanskriti Enclave, Eldeco Udyan II, Raebareli Road, Lucknow – 226025, Uttar Pradesh Contact No :9721906660 Email :doctordrug@gmail.com	Link Nominee

3	<p>Dr. Mahadeo Kumar CSIR – Indian Institute of Toxicology Research, Lucknow Scientist (Animal Facility) • More than 10 years experience in Laboratory Animal Facility • Genetic monitoring of Laboratory animals. H.No. 04, Mayur Residency Extension, Faridinagar, Lucknow – 226015, Uttar Pradesh Contact No :9450111076 Email :mahadeokumar@gmail.com</p>	<p>Scientist from out side of the Institute</p>
4	<p>Dr. Alok Kumar Shukla Amity Institute of Pharmacy, Amity University, Uttar Pradesh, Lucknow Associate Professor, Amity Institute of Pharmacy, Amity University, Uttar Pradesh, Lucknow Campus Experience of 11 years Associate Professor, Amity Institute of Pharmacy, Amity University, Uttar Pradesh, Lucknow Campus, Near Malhaur Railway Station, Gomti Nagar Extn., Lucknow - 226028, Uttar Pradesh Contact No :9039298670 Email :alokshukla51@rediffmail.com</p>	<p>Socially aware Nominee</p>

(Please note that any change in IAEC members can be made only with prior approval of CPCSEA.)

- You are requested to convene the meeting of the constituted IAEC within 30 days and forward the Minutes of the meeting to the O/o CPCSEA, New Delhi.
- In addition, it is to inform you that only approved IAEC members can sign on the attendance sheet with date of the meeting. Decisions will be made only in meetings where quorum is complete, the minimum of 6 members are required to compose a quorum and CPCSEA Nominees must be present in the meetings (*In absence of the Main Nominee, Link Nominee will be called to attend the meeting*).
- Further, it is to inform you that the IAEC is required to be reconstituted at the time of renewal of registration as per CPCSEA guidelines. Therefore, the IAEC of your establishment is valid up to the validity of Registration.
- It is also to inform you that before commencing any research on large animals you are required to send the research protocols with due recommendation of IAEC to CPCSEA for their approval (Procedure for submission of Research Protocols is available on the Website of CPCSEA).
- Kindly acknowledge the receipt of this letter.

(S. Gowri Shankar)

Deputy Secretary (AW) & Member Secretary (CPCSEA)

Copy for necessary action to: Nominees of CPCSEA.

The Main Nominee is requested to ensure conduct of the IAEC meeting as stipulated in the SOP and to furnish the Annual Inspection Report of the Animal House Facility regularly to the O/o CPCSEA (check list enclosed).

Encl.: as above.

This is a computer-generated document and it does not require a signature. This document shall not be invalidated solely on the ground that it is not signed.

5वां फ्लोर, वायु ब्लॉक, इंदिरा पर्यावरण भवन, जोर बाग रोड, नई दिल्ली-110003
टेलीफोन : 011-24695424 ईमेल : cpcsea-mef@gov.in, वेबसाइट : http://cpcsea.nic.in

5th Floor, Vayu Block, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110003
Telefax: 011-24695424, Email: cpcsea-mef@gov.in, Website: http://cpcsea.nic.in

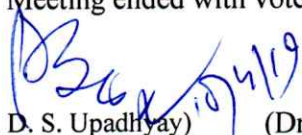


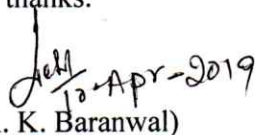
**INSTITUTIONAL ANIMAL ETHICS COMMITTEE (IAEC) COLLEGE OF VETERINARY
SCIENCE & ANIMAL HUSBANDRY, KUMARGANJ AYODHYA**

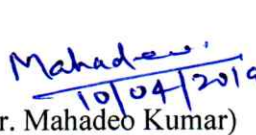
Proceedings of the first meeting (after registration) of IAEC held on april 10th, 2019. Following members were present—


1. Dr. V. K. Singh, Dean, CVSc & AH and Chairperson
2. Dr. D. S. Upadhyay, Main Nominee, CPCSEA
3. Dr. S. K. Maurya, Member Secretary
4. Dr. A. K. Baranwal, Link Nominee, CPCSEA
5. Dr. Mahadeo Kumar, Scientist from other institute
6. Dr. Alok Kumar Shukla, Socially aware nominee
7. Dr. Sushant Srivastava, Scientist from other biological discipline, member
8. Dr. Rishikant, Incharge, Animal House, member

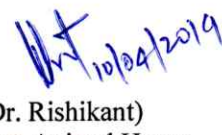
- The meeting started with a formal welcome by the chairman followed by introduction of all the members.
- Dr. A. K. Baranwal, Dr. Alok Shukla and Dr. Mahadeo Kumar emphasized on the follow up of strict animal ethics, animal care and animal welfare. Even research protocols having only blood collections from animals must be approved from IAEC. The matter was agreed by all.
- Dr. D. S. Upadhyay, main nominee emphasized that all study protocols must be conducted only after the approval of IAEC or CPCSEA (as the case may be). He also suggested that there must be a reference number for each research/ study protocol. Matter was agreed by all.
- An SOP of IAEC was presented before committee by Dr. S. K. Maurya for finalization. It was discussed and agreed that it should have page numbers and all proforma related with submission of research protocols by Principal Investigators to IAEC along with checklist formulated for that purpose.
- Chairman Dr. V. K. Singh put the matter of mandatory animal protocols as per the part of UG course curriculum as per Veterinary Council of India (VCI) norms. The matter was discussed in detail and agreed that a list of such compulsory protocols related with animal involvement (as per the course curricula) be prepared in form "B" and put in IAEC for approval.
- Research Advisory Committee approved synopsis of research works were put up before the committee by the member secretary for the endorsement of IAEC. Chairman informed that these were only observational and non-invasive research works which started in last year that were near the end of their completion. The matter was discussed in detail and all members were of the opinion that as the IAEC of college is just now registered (registered on 19.03.2019); but with a view to follow the mandate of VCI gazette for education, in the current situation, the proposals may be permitted and approved and the CPCSEA may be informed. (List of proposals reviewed attached)
- It was also agreed that now onwards, no research protocol on animals will start without approval from IAEC/ CPCSEA.
- Meeting ended with vote of thanks.


(Dr. D. S. Upadhyay)
Main Nominee


(Dr. A. K. Baranwal)
Link Nominee

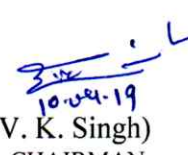

(Dr. Mahadeo Kumar)
Scientist from other


(Dr. Alok Kumar Shukla)
Socially Aware Nominee


(Dr. Rishikant)
Incharge Animal House


(Dr. Sushant Srivastava)
Member

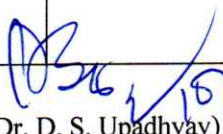

(Dr. S. K. Maurya)
Member Secretary

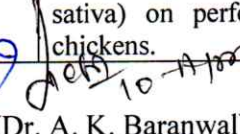

(Dr. V. K. Singh)
CHAIRMAN

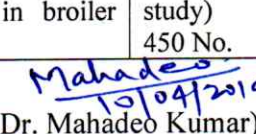
**LIST OF RESEARCH PROPOSALS REVIEWED IN THE IAEC MEETING
HELD ON APRIL 10th, 2019**

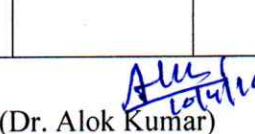
[A.] BIRDS

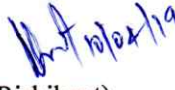
SN	Name of Major Advisor	Title of thesis	Animal requirements	Status	Remarks of IAEC
1	Dr. Vijay Kumar Singh, Animal Nutrition (Dr. Amit Tiwari)	Assessment of Phytobiotics and enzymes combination as an alternative of antibiotic growth promoter in broiler chickens	Poultry (Management & blood collection) 250 No.	Completed	Affirmed
2	Dr. Sachin Gautam, Animal Nutrition (Dr. Dileep Kumar Chaudhari)	Effect of herbal mixture, exogenous enzymes and butyric acid supplementation on the performance of broiler chickens.	Poultry (Management & bl collection) 300 No.	Completed	Affirmed
3	Dr. Sachin Gautam, Animal Nutrition (Dr. Alka Yadav)	Performance of broiler chickens fed diet supplemented with phytobiotic and organic acid	Poultry (Management & bl collection) 250 No	Completed	Affirmed
4	Dr. D. Niyogi, Vet. Pathology (Dr. Abhishek Mishra)	Studies on the incidence and pathology of colibacillosis in broiler birds in Gonda district of north eastern plain zone of Uttar Pradesh	Poultry (post mortem cases) >200 No.	Completed	Affirmed
5	Dr. D. Niyogi, Vet. Pathology (Dr. Rakesh Kumar Gupta)	Studies on the incidence, pathology and immunohistochemistry of chronic respiratory disease of poultry in Ayodhya district of eastern Uttar Pradesh	Poultry About 50-100 birds	Completed	Affirmed
6	Dr.P.S.Pramanik, LPM (Dr. Vishwa Nath Gupta)	Performance of Broiler Chickens under Different Litter Materials	Poultry (Management procedure) 240 No.	Completed	Affirmed
7	Dr.P.S.Pramanik, LPM (Dr. Prabhat Gautam)	Impact of different monochromatic light combination and white L.E.D. on growth and behavior of broiler chickens.	Poultry (Management procedure) 240 No.	Completed	Affirmed
8	Dr.P.S.Pramanik, LPM (Dr. Gaaurav Pandey)	Effect of additives mixture neem (Azadirachtaindica), Amla (Emblca officinalis) and black cumin (Nigella sativa) on performance in broiler chickens.	Poultry (Biophysiological & behavioral study) 450 No.	Ongoing	Affirmed


(Dr. D. S. Upadhyay)
Main Nominee



(Dr. A. K. Baranwal)
Link Nominee

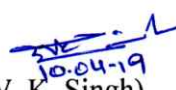

(Dr. Mahadeo Kumar)
Scientist from other institute


(Dr. Alok Kumar)
Socially Aware Nominee


(Dr. Rishikant)
Incharge Animal House


(Dr. Sushmat Srivastava)
Member


(Dr. S. K. Maurya)
Member Secretary


(Dr. V. K. Singh)
CHAIRMAN

[B.] LARGE ANIMALS

SN	Name of Major Advisor	Title of thesis/ project	Animal requirements	Status	Remarks of IAEC
1	Dr. H.C. Verma, Vet Extension (Dr Pradeep Kumar)	Study on knowledge and adoption level of scientific Goat rearing practices among goat farmers in Hardoi Diostrict of Uttar Pradesh.	Interaction with livestock owner	Completed	Affirmed
2	Dr. J.P.Singh, Vet Medicine (Dr. Ramnayan Yadav)	Studies on In Vitro efficacy of emblica officinalis against MRSA in buffaloes suffering from sub clinical mastitis.	Buffalo (About 200 milk samples from natural cases of mastitis)	Completed	Affirmed
3	Dr. H.N. Singh, Vet Surgery (Dr. Pragya Prakash Mishra)	Impact of mineral supplementation in hoof disorders of cattle in Ayodhya District	Cattle (Blood collection from natural cases)	Completed	Affirmed
4	Dr. Kh. Sangeeta Devi, Vet Surgery (Dr. Ranjeet Kumar)	Comparison of analgesic efficacy of xylazine and ketorolac in combination with lignocaine for upper and lower intravenous regional anesthesia (IVRA) in bovine	Cattle (Drug trial)	Completed	Affirmed
5	Dr. Kh. Sangeeta Devi, Vet Surgery (Dr. Ravi Prakash Goyal)	Decellularization of caprine esophagus and aorta using 5% aqueous extract of fruit pericarp of sapindus mukorossi.	Goat (From slaughter house)	Completed	Affirmed
6	Dr. A.K. Gangwar, Vet Surgery (Dr. Yogendra Singh)	Comparison of analgesic efficacy of dexmedetomidine and tramadol in combination with lognocaine for upper and lower intravenous regional anesthesia (IVRA) in bovine	Cattle (Drug trial)	Completed	Affirmed
7	Dr. Bhoopendra Singh, Vet Gyn. & Obst. (Dr. Narendra Singh)	Studies on therapeutic efficacy of uterine lavage, levamisole, PGF ₂ α and its combinations in the management of sub-clinical endometritis in buffaloes	Buffalo (From field clinical cases) 50-60 No	Ongoing	Affirmed
8	Dr.P.S.Pramanik, LPM (Dr. Birendra Singh)	Lambing behavior and its association with haemato-biochemical profile in Muzzafarnagri Sheep	Sheep (Biophysiological & behavioral study) 10-15 No	Ongoing	Affirmed
9	Dr. Sushant Srivastava Vet Gynecology & Obstetrics	Frozen semen bank for indigenous livestock	Cattle & buffalo bull & buck (Permission for semen collection through artificial means & blood collection) 50 No	Ongoing	Affirmed
10	Dr. Sushant Srivastava Vet Gynecology & Obstetrics	Conservation propagation & genetic improvement of Sahiwal cattle	Sahiwal cattle (Reproductive study Blood collection) About 350 No	ongoing	Affirmed

Dr. D. S. Upadhyay
Main Nominee

Dr. Rishikant
I/C Animal House

Dr A K Baranwal
Link Nominee

Dr Sushant Srivastava
Member

Dr Mahadeo Kumar
Scientist from other institute

Dr S K Maurya
Member Secy

Dr. Alok Kumar Shukla
Socially Aware Nominee

Dr V K Singh
Chairman



Office of the Institutional Animal Ethics Committee (IAEC)
COLLEGE OF VETERINARY SCIENCE & ANIMAL HUSBANDRY
Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya- 224 229
(Registration No.: 2060/GO/ReBi-S/Re-L/19/CPCSEA)

Minutes of the 2nd IAEC meeting held on Jan. 10, 2020 at CVSc, Kumarganj, at 11.00 AM

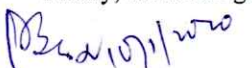
The 2nd IAEC meeting of CVSc Kumarganj was held in the CVSc on Jan. 10, 2020. Meeting was attended by almost all the IAEC members and the CPCSEA nominees including CPCSEA link nominee Dr Atul Barnwal, Dr. Sushant Srivastava, scientist from other biol. discipline was absent on health grounds. Meeting was chaired by Dr. V. K. Singh. Concern investigators were also invited for clarifications related to their proposals.


At the outset the Chairperson welcomed the members and other participants. He emphasized upon judicious use of animals (both small and large animals as well as the birds) for advancement of scientific knowledge in view to improve their lives and overall benefit of the animals and the society. Since, no comments were received on the Minutes of the previous meeting circulated; the same was confirmed by the IAEC. The Member Secretary further initiated the discussions as per the meeting agenda.


In total, 21 research proposals were evaluated by the IAEC. Out of these, 8 proposals were related with use of laboratory rabbits and the farm reared birds (poultry), while 13 proposals were related with collection and screening of different specimens and samples like milk, blood, tissues etc from large animals from private and organized farms, field cases and the slaughter houses. Few experiments were associated with herbal treatment of anestrus condition in bovines. An in-depth evaluation of all the proposals including those of large animals in terms of their experimental plans and designing, intended scientific/societal objectives, proposed species and the numbers, humane endpoints, welfare issues, procedures for analgesia, anesthesia or euthanasia etc was made by the committee and the observations recorded in this regard are placed as below:


- 1) Most of the small animal experiments were scientifically and technically valid, hence were granted IAEC approval. Those small animal experiments which involved minor surgeries but proposed to be performed under proper anesthesia were also approved by the committee.
- 2) Experimental plans of 2 proposals were modified and revised with suggestion of the IAEC and subsequently approved by the committee. Two proposals were also merged viewing their repetitive nature.
- 3) Since there were no invasive or painful procedures involved in mere sampling or screening process of proposed large animal experiments, the objectives and plans of such proposals were also clearly defined, the committee decided to approve the same without any stipulation about animal welfare issues in accordance with the noting of the CPCSEA contained in its "Compendium" on page no. 198. However, proper consent form from the animal owner should be obtained before such sampling, committee suggested.
- 4) The IAEC made certain recommendations in order to improve the overall functioning of the IAEC as well as to popularize the animal welfare guidelines and norms of the CPCSEA amongst the PIs and the researchers. These suggestions are placed as below:
 - a) Every member of the IAEC bearing the identical credence has to participate in protocol evaluation and review process and the decision has to be taken unanimously with approval by the Chairman.
 - b) Every investigator has to perform animal experiments strictly in accordance with the animal welfare guidelines and the statutory regulations of the CPCSEA.
 - c) Seminars/ Workshops should be organized periodically at institutional level in order to sensitize the concerned PIs, research fellows, technical staff etc about animal welfare issues, 4Rs principle, suitable use of analgesia, anesthesia or euthanasia agents, proper filing of the animal experiment applications and proper record keeping (as per Form B, C, D, E etc).
- 5) The CPCSEA nominees and committee members also visited various experimental animal sheds, farms and places and observed it clean and tidy.
- 6) Animal research proposals approved by the committee are listed as ANNEXURE-1 on page 2.


Finally, the meeting ended with vote of thanks to the Chair.



Dr. D. S. Upadhyay
(Main Nominee, CPCSEA)



Dr. A. K. Baranwal
(Link Nominee, CPCSEA)

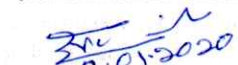

Dr. Alok Kumar Shukla
(Socially aware nominee)


Dr. Mahadeo Kumar
(Sci. from outside institute)


Dr. Rishikant
(In-charge, Animal House)


Dr. A. K. Gangwar
(Veterinarian)


Dr. S. K. Maurya
(Member Secretary)


Dr. V. K. Singh
(Chairman, IAEC)

LIST OF SMALL ANIMAL PROJECTS DISCUSSED AND APPROVED

SN	Ref #	Title	PI	Animal	No.
2.1	19	Effect of Azolla feeding on growth performance and carcass characteristics of broiler chicks	Dr. K. D. Singh	Poultry	160
2.2	20	Effect of Azolla feeding on the performance of broiler chickens	Dr. P. S. Parmanik	Poultry	160
2.3	21	Decellularization of caprine dermis and fish swim bladder using <i>Sapindus mukurossi</i> fruit pericarp extract and its use for construction of skin defects in New Zealand white rabbits	Dr. A. K. Gangwar	Rabbits	12
2.4	24	Effect of phytobiotics and organic acid supplementation on performance of broiler chickens	Dr. V. K. Singh	Poultry	300
2.5	25	Performance of broiler chickens fed corn soybean based diet with phytobiotic feed additives and enzymes	Dr. V. K. Singh	Poultry	300
2.6	27	Antifertility effect of <i>Dendrophthoe falcata</i> in male rabbits	Dr. Bhoopendra Singh	Rabbits	18
2.7	36	Effect of <i>Moringa oleifera</i> supplementation on performance of broilers	Dr. P. S. Parmanik	Poultry	250
2.8	39	Evaluation of decellularized caprine periosteum for repair of critical sized bone defect in rabbits	Dr. A. K. Gangwar	Rabbits	18

LIST OF LARGE ANIMAL PROTOCOLS DISCUSSED AND APPROVED

Details of large animal tissue samples to be collected and examined ↓					
3.1	22	Gross morphological and histological studies on the kidneys of Barbari goats	Dr. K. N. Singh	24 slaughtered Goat	Kidneys
3.2	23	Studies on antimicrobial efficacy of <i>Moringa oleifera</i> leaves against sub clinical mastitis in cows	Dr. J. P. Singh	200 milk samples	from Cattle
3.3	26	Mitochondrial DNA analysis in Cattle & Buffaloes	Dr. S. K. Maurya	100 blood samples	from Cattle & Buff.
3.4	28	Studies on epidemiology, therapeutics and impact analysis of udder health kit in bovine mastitis	Dr. J. P. Singh	60 milk samples	from Cattle
3.5	29	Effect of herbal antioxidant on cryopreservability and fertility of Murrah bull semen	Dr. Sushant Srivastava	8 semen samples	from Buffalo
3.6	30	Efficacy of various therapeutic regimens on estrus induction response in post partum anestrus cows	Dr. Rajesh Kumar	24 blood samples	from Cattle
3.7	31	Assessment of therapeutic efficacy of <i>Aegle marmelos</i> , Oophorinum and Progetserone on induction of estrus in post partum anestrus buffaloes	Dr. Rabindra Kumar	24 blood samples	from Buffaloes
3.8	32	Molecular characterization and sero prevalence studies on equine haemoprotozoan diseases with special reference to <i>Trypanosoma evansi</i>	Dr. Amit Singh	500 blood samples	from Horse
3.9	33	Studies on <i>in vitro</i> and <i>in vivo</i> anthelmintic efficacy of <i>Moringa oleifera</i> leaf extract on ovine gastro intestinal nematodes	Dr. Amit Singh	30 blood samples	from Sheep
3.10	34	Molecular characterization and plasmid profiling of extended spectrum beta lactamase and carbapenemase producing <i>Escherichia coli</i> of bovine origin	Dr. R. K. Joshi	400 Milk & Feces	from Cattle & buffalo
3.11	35	Molecular characterization and anti microbial sensitivity pattern of methicillin resistant <i>Staphylococcus aureus</i> among farm animals	Dr. R. K. Joshi	600 Milk, Blood, Nasal swab	from Cattle, buffalo, sheep, goat, pig & rabbit
3.12	37	Studies on genetic characterization of non descript sheep in Fatehpur district of Uttar Pradesh	Dr. V. K. Singh	200 Blood samples	from Sheep
3.13	38	Skin thickness & its relation to milk yield in dairy animals	Dr. P. S. Parmanik	60 skins from Cattle & Buffaloes	for physical measurement

Dr. D. S. Upadhyay
(Main Nominee, CPCSEA)

Dr. Rishikant
(In-charge, Animal House)

Dr. A. K. Baranwal
(Link Nominee, CPCSEA)

Dr. A. K. Gangwar
(Veterinarian)

Dr. Alok Kumar Shukla
(Socially aware nominee)

Dr. S. K. Maurya
(Member Secretary)

Dr. Mahadeo Kumar
(Sci. from outside institute)

Dr. V. K. Singh
(Chairman, IAEC)



Office of the Institutional Animal Ethics Committee (IAEC)
COLLEGE OF VETERINARY SCIENCE & ANIMAL HUSBANDRY
 Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya- 224 229
 (Registration No.: 2060/GO/ReBi-S/Re-L/19/CPCSEA)

Minutes of the 3rd IAEC meeting held on December. 18, 2020

The 3rd IAEC meeting of CVSc Kumarganj was held on December 18, 2020 at 11.00 AM in the Seminar room of the College. All the IAEC members including Chairperson attended the meeting. The PIs were also invited regarding the queries if any about their proposal.

At the outset the Chairperson welcomed the members and other participants and informed the committee that no comments were received on the Minutes of the previous meeting circulated; the same was confirmed by the IAEC. The Member Secretary further initiated the discussions as per the meeting agenda and presented 15 protocols (05 small animals, 01 of poultry market slaughter tissue/ meat; 09 of large animal sample collection etc.) for discussions and approval.

The small animal projects were discussed. After making some corrections in few proposals the committee approved these projects (Annexure I).

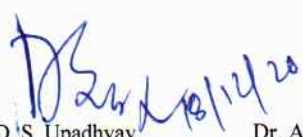
The proposals of large animal study were critically evaluated. The projects involving only sample/data collection based studies without any painful procedure/surgery/etc were also evaluated. The committee had no objection in conducting such experiments which did not require any animal procedure.

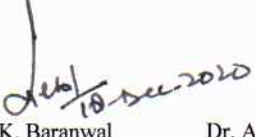
The committee suggested for follow up of the guidelines of the CPCSEA with regard to the large animals and poultry studies to comply with and it advised that any observation of CPCSEA regarding these projects will be immediately communicated to respective PIs for proper compliance.

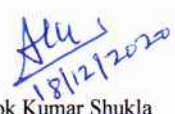
A previously approved protocol with approval reference number IAEC/CVSc/2/P-39/2020/33 was presented by PI Dr. A. K. Gangwar for its extension due to the delay due to corona. Committee discussed and agreed to extend its duration for one year.

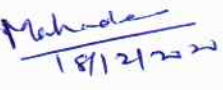
The committee members including Main Nominee, CPCSEA visited various experimental animal sheds & farms; observed and inspected thoroughly and found satisfactory. Remarks and suggestions of each member and the nominees were duly noted and institutional members ensured for compliance.


Finally, the meeting ended with vote of thanks to the Chair.

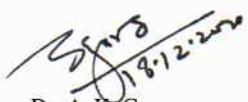

 Dr. D. S. Upadhyay
 (Main Nominee, CPCSEA)

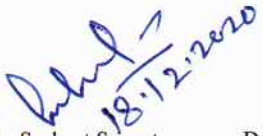

 Dr. A. K. Baranwal
 (Link Nominee,
 CPCSEA)



 Dr. Alok Kumar Shukla
 (Socially aware nominee)

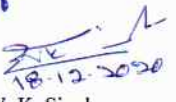

 Dr. Mahadeo Kumar
 (Sci. from outside institute)


 Dr. Rishikant
 (In-charge, Animal House)


 Dr. A. K. Gangwar
 (Veterinarian)


 Dr. Sushant Srivastav
 (Mem. From other biol.
 discipline)


 Dr. S. K. Maurya
 (Member Secretary)


 Dr. V. K. Singh
 (Chairman, IAEC)

LIST OF SMALL ANIMAL PROJECTS DISCUSSED AND APPROVED

SN	Ref #	Title & PI	Animal & No.	Comments of IAEC
1	02	Evaluation of crosslinked decellularized caprine periosteum with or without undifferentiated bone marrow stem cells for repair of critical sized bone defect in rabbits Dr. A. K. Gangwar	Rabbit, 18	Approved
2	03	Evaluation of crosslinked decellularized caprine aortic scaffold with or without platelet rich plasma (PRP) for repair of critical sized bone defect in rabbits Dr. A. K. Gangwar	Rabbit, 18	Approved
3	04	Decellularization of caprine trachea and ear cartilage using Sapindus mukorossi fruit carp extract Dr. Kh Sangeeta Devi	Rabbit, 2	Approved
4	05	Development of caprine rumen and reticulum derived extracellular matrices by using fruit carp extract of Sapindus mukorossi Dr. Kh Sangeeta Devi	Rabbit, 2	Approved
5	08	Studies on antifertility effect of Azadirachta indica (Neem) and Madhuka indica (Mahua) in male rabbits Dr. Bhoopendra Singh	Male Rabbits, 30	Approved
6	11	Efficacy of <i>Moringa</i> leaf on storage quality of chicken nuggets under refrigeration condition Dr. Ruma Devi	Poultry meat from market	Committee has No Objection since there is no animal involvement

LIST OF LARGE ANIMAL PROTOCOLS DISCUSSED AND APPROVED

1	01	Process optimization and quality characterization of Turmeric fortified milk shakes with honey as sugar replacer Dr. S. S. Sengar	100 Milk samples from market	Committee has No Objection since there is no animal involvement
2	07	Study on prevalence of congenital, acquired, anatomical and pathological abnormalities affecting reproductive tract of buffaloes slaughtered in Unnao Dr. Rabindra Kumar	Survey on 1000 slaughtered buffaloes	Committee has No Objection since there is no animal involvement
3	06	Effect of L Cysteine HCl and Dalchini (<i>Cinnamomum zeylanicum</i>) on freezability of Murrah bull semen Dr. Sushant Srivastava	48 Semen samples from 6-8 Buffalo bulls	Recommended as there is no painful animal procedure involved
4	09	Influence of thermal stress on adaptability, haematobiochemical & physiological response in Cattle in central plane zone of Uttar Pradesh Dr. P. K. Choudhary	140 Blood samples from 18 Cattle	
5	10	Heat stress in relation to adaptability, haematobiochemical & physiological response in Buffaloes in eastern plane zone of Uttar Pradesh Dr. P. K. Choudhary	140 Blood samples from 18 Buffalo	
6	12	To study the efficacy of essential oil of <i>Cinnamomum zeylanicum</i> and Melafenca as an alternative post milking teat dip in lactating buffaloes Dr. J. P. Singh	Teat dip to 60 buffaloes	
7	13	In vitro study on antimicrobial potential of <i>Vetiveria zizanioides</i> oil against bacteria involved in sub clinical mastitis of milch cows Dr. J. P. Singh	100 Milk samples from cows	
8	14	Studies on in vitro antimicrobial efficacy of <i>Nyctanthes arbor tristis</i> Linn. Leaves against sub clinical mastitis in cows Dr. J. P. Singh	100 Milk samples from cows	
9	15	Studies on in vitro antimicrobial efficacy of <i>Psidium guajava</i> leaves against sub clinical mastitis in buffaloes Dr Ramakant	100 Milk samples from buffaloes	

Dr. D. S. Upadhyay
(Main Nominee, CPCSEA)

Dr. A. K. Baranwal
(Link Nominee, CPCSEA)

Dr. Alok Kumar Shukla
(Socially aware nominee)

Dr. Mahadeo Kumar
(Sci. from outside institute)

Dr. A. K. Gangwar
(Veterinarian)

Dr. Rishikant
(In-charge, Animal House)

Dr. Sushant Srivastav
(Mem. From other biol. discipline)

Dr. S. K. Maurya
(Member Secretary)

Dr. V. K. Singh
(Chairman)



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Minutes of the 4th IAEC meeting held on March. 20, 2021

The 4th IAEC meeting of CVSc Kumarganj was held on March 20th, 2021 at 11.00 AM in the Seminar room of the College. All the IAEC members including Chairperson attended the meeting. The PIs were also invited regarding the queries if any about their proposal.

At the outset the Chairperson welcomed the members and other participants and informed the committee that no comments were received on the Minutes of the previous meeting circulated; the same was confirmed by the IAEC. The Member Secretary further initiated the discussions as per the meeting agenda. A total of 04 protocols (03 avian and 01 of large animals) were included for discussions and approval by IAEC.

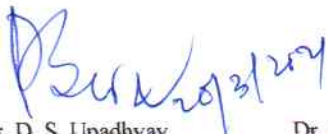
The avian projects based on their scientific and technical merits were approved by the IAEC.


The proposal of large animal study was related with collection and screening of fecal sample after feeding of Moringa seeds extracts. The committee has no objection on this protocol. The protocols discussed and approved in this meeting are listed in Annexure I.


The committee suggested to follow the guidelines of the CPCSEA with regard to the animal and poultry studies.

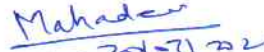
The committee members including Main Nominee, CPCSEA visited various experimental animal sheds & farms; observed and inspected thoroughly and found satisfactory. IAEC recommended rat, mouse and rabbit cages with watering and feeding facilities to be updated in small animal house. Remarks and suggestions of each member and the nominees were duly noted for compliance.


Finally, the meeting ended with vote of thanks to the Chair.



Dr. D. S. Upadhyay
(Main Nominee, CPCSEA)



Dr. A. K. Baranwal
(Link Nominee, CPCSEA)


Dr. Alok Kumar Shukla
(Socially aware nominee)

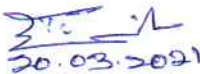

Dr. Mahadeo Kumar
(Sci. from outside institute)


Dr. Rishikant
(In-charge, Animal House)


Dr. A. K. Gangwar
(Veterinarian)


Dr. Sushant Srivastav
(Mem. From other biol.
discipline)


Dr. S. K. Maurya
(Member Secretary)


Dr. V. K. Singh
(Chairman, IAEC)

LIST OF AVIAN PROTOCOLS DISCUSSED AND APPROVED

SN	Ref #	Title	PI	Animal	No.
1	16	Impact of Stocking Density Density on Performance and Welfare of Broiler chickens	Dr. K. D. Singh	Poultry	240
2	17	Studies on Shatavari (Asparagus racemosus) supplementation on the performance of Broiler Chickens	Dr. P. S. Pramanik	Poultry	200
3	18	Effect of Ginger and Garlic Supplements on the performance of Broiler Chickens	Dr. S. S. Chauhan	Poultry	200

LIST OF LARGE ANIMAL PROTOCOLS DISCUSSED AND APPROVED


Details of large animal tissue samples to be collected and examined ↓					Observation made by IAEC
4	19	In vitro and In vivo anthelmintic evaluation of Moringa oleifera seed extract in sheep naturally infected with strongyles	Dr. Amit Singh	24 female sheep; feeding of Moringa	Recommended as there is no painful animal procedure involved


20/03/2021

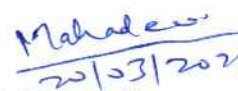
Dr. D. S. Upadhyay
(Main Nominee, CPCSEA)


20-Mar-2021

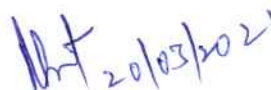
Dr. A. K. Baranwal
(Link Nominee, CPCSEA)


Alok

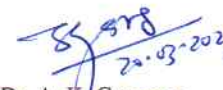
Dr. Alok Kumar Shukla
(Socially aware nominee)


20/03/2021


Dr. Mahadeo Kumar
(Sci. from outside institute)


20/03/2021


Dr. Rishikant
(In-charge, Animal House)


20-03-2021

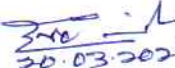
Dr. A. K. Gangwar
(Veterinarian)


20/03/2021

Dr. Sushant Srivastav
(Mem. From other biol. discipline)


20/3/21

Dr. S. K. Maurya
(Member Secretary)


20.03.2021

Dr. V. K. Singh
(Chairman, IAEC)



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(Registration No.: 2060/GO/ReBi-S/Re-L/19/CPCSEA)

Minutes of the 5th IAEC meeting held on December. 29, 2021 at 11.00 AM in the Seminar room of the College

Members Present:

1	Dr. V. K. Singh,	Chairperson, IAEC
2	Dr. D. S. Upadhyay,	Main Nominee
3	Dr. Atul Kumar Baranwal	Link Nominee
4	Dr. Alok Kumar Shukla,	Socially aware nominee
5	Dr. Mahadeo Kumar	Scientist from outside institute
6	Dr. S. K. Maurya	Member Secretary, IAEC
7	Dr. Rishikant	Incharge, Animal House
8	Dr. Sushant Srivastava	Member from other biological discipline

At the outset the Chairperson welcomed the members and informed the committee that no comments were received on the Minutes of the previous meeting circulated; the same was confirmed by the IAEC.

The Member Secretary further initiated the discussions as per the meeting agenda and informed the committee that a total of 14 protocols (07 of small animals including avian and 07 of large animals) were included for discussions and approval by IAEC.

The committee began its deliberations with a discussion on the scientific and technical merits of all protocols considering least sufferings to the animals. The small animal protocols including avian were approved by the IAEC based on their merits.

The committee also discussed the proposals of large animal study that were related with collection and screening of blood samples, semen samples, milk samples etc. The committee is of the view that these protocols of large animals didn't include any invasive procedures but of only sample collection from these animals so expressed no objection for them. Committee is of the view that consent from owners/ farms must be obtained by the respective PIs for collection of samples from large animals and the same must be submitted along with projects.

The protocols discussed and approved/ recommended in this meeting are listed in Annexure 1.

Committee made following suggestions—

- The protocols which are not as per format of CPCSEA and where the methodology & use of animals are not clearly written should not be approved in future.
- Small animals facilities needs immediate updation with all recommended facilities as per CPCSEA recommendations without which no protocols will be approved in future.

Remarks and suggestions of each member and the nominees were duly noted for compliance.

The members of the committee dispersed with a vote of thanks to the Chair.

 Dr. D. S. Upadhyay (Main Nominee, CPCSEA)	 Dr. A. K. Baranwal (Link Nominee, CPCSEA)	 Dr. Alok Kumar Shukla (Socially aware nominee)	 Dr. Mahadeo Kumar (Sci. from outside institute)
 Dr. Rishi Kant (In-charge, Animal House)	 Dr. Sushant Srivastav (Mem. From other biol.)	 Dr. S. K. Maurya (Member Secretary)	 Dr. V. K. Singh (Chairman, IAEC)

LIST OF SMALL ANIMAL PROTOCOLS DISCUSSED AND APPROVED

SN	Ref #	Title	PI	Animal	No.
1	20	Effects of dietary supplementation of <i>Moringa oleifera</i> leaf meal and Neem leaf meal (<i>Azadirachta indica</i>) on the performance of Kadaknath layers.	Dr. Ajeet Kr. Verma	Poultry	72
2	27	Effects of dietary <i>Spirulina platensis</i> supplement on broiler chickens performance	Dr. P. S. Pramanik	Poultry	200
3	22	Effect of hyaluronidase treatment on efficacy of <i>Sapindus mukorossi</i> fruit pericarp extract for decellularization of caprine rumen and reticulum	Dr. Kh. Sangeeta Devi	Rabbits	02
4	23	Decellularization of hyaluronidase treated caprine omasum and abomasum tissue by aqueous fruit pericarp extract of <i>Sapindus mukorossi</i>	Dr. Kh. Sangeeta Devi	Rabbits	02
5	26	Decellularization of caprine diaphragm and pericardium using hyaluronidase and <i>Sapindus mukorossi</i> fruit pericarp extract treatment.	Dr. A. K. Gangwar	Rabbits	02
6.	32	Effect of Histidine supplementation on the performance, hemato-biochemical profile and carcass characteristics of broiler chickens	Dr. V. K. Singh	Poultry	200
7.	33	Effect of dietary supplementation of Nicotinic acid on the performance of broiler chickens	Dr. Dharmesh Tewari	Poultry	200

LIST OF LARGE ANIMAL PROTOCOLS DISCUSSED AND RECOMMENDED

Details of large animal tissue samples to be collected and examined ↓					
1	21	Effects of <i>Moringa oleifera</i> and <i>Phyllanthus emblica</i> on sperm characteristic in cryopreserved buck semen.	Dr. Sushant Srivastava	50 semen samples from bucks	
2	24	Effects of Ginger (<i>Zingiber officinale</i>) and Black Pepper (<i>Piper nigrum</i>) on cryopreservability of buck spermatozoa.	Dr. Rajesh Kumar	50 semen samples from bucks	
3	25	Effects of Curcumin (<i>Curcuma longa</i>) and Ashwagandha (<i>Withania somnifera</i>) on cryopreservability of buck spermatozoa.	Dr. Bhoopendra Singh	50 semen samples from bucks	
4	28	Study on prevalence and molecular characterization of bovine haemoprotozoans with special reference to Theileriosis	Dr. Amit Singh	500 Blood samples from Cattle & Buffaloes	
5	29	Studies on In-vitro efficacy of <i>Nigella sativa</i> against common causing mastitis pathogens	Dr. J. P. Singh	100 Milk samples from Cattle & Buffaloes	
6	30	Studies on in vitro efficacy of <i>Curcuma longa</i> and <i>Withania somnifera</i> against bovine mastitis	Dr. S. V. Singh	100 Milk samples from Cattle	
7	31	Studies on metabolic profile status of periparturient buffaloes	Dr. S. V. Singh	30 Blood samples from Buffalo	

[Signature]
29/12/2021
29-Dec-2021
Dr. D. S. Upadhyay
(Main Nominee, CPCSEA)

[Signature]
29/12/21
Dr. A. K. Baranwal
(Link Nominee, CPCSEA)

[Signature]
29/12/21
Dr. Alok Kumar Shukla
(Socially aware nominee)

[Signature]
29/12/2021
Dr. Mahadeo Kumar
(Sci. from outside institute)

[Signature]
29/12/2021
Dr. Rishikant
(In-charge, Animal House)

[Signature]
29/12/2021
Dr. Sushant Srivastav
(Mem. from other biol. discipline)

[Signature]
29/12/21
Dr. S. K. Maurya
(Member Secretary)

[Signature]
29-12-2021
Dr. V. K. Singh
(Chairman, IAEC)



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(Registration No.: 2060/GO/ReBi-S/Re-L/19/CPCSEA)

Minutes of the 6th IAEC meeting held on March. 15, 2022 at 11.00 AM in the Seminar room of the College

Members Present:

- | | | |
|----|-------------------------|---|
| 1 | Dr. V. K. Singh, | Chairperson, IAEC |
| 2 | Dr. D. S. Upadhyay, | Main Nominee |
| 3. | Dr. Atul Kumar Baranwal | Link Nominee |
| 4. | Dr. Mahadeo Kumar | Scientist from outside institute |
| 5. | Dr. S. K. Maurya | Member Secretary, IAEC |
| 6. | Dr. Rishikant | Incharge, Animal House |
| 7. | Dr. A. K. Gangwar | Veterinarian |
| 8. | Dr. Sushant Srivastava | Member from other biological discipline |

Chairperson started the meeting with welcome of the members and informed the committee that no comments were received on the Minutes of the 5th IAEC meeting circulated; the same was confirmed by the IAEC.


The Member Secretary continued the discussions and informed the committee that only one new small animal protocol has been received for discussion and approval by IAEC. Member secretary also informed the committee that 04 protocols have been received for modification/ revision that include use of samples from large animals.

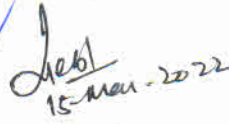
The committee in its deliberations and discussion on the scientific and technical merits of small animal protocol agreed for its approval.

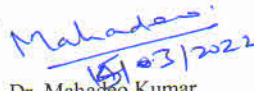
The committee also discussed the proposals for modification of approved protocols of large animal study that were related with collection and screening of blood samples, semen samples, milk samples etc. The committee is of the view that these modifications may be accepted as they do not affect the procedures recommended in earlier IAEC meeting.

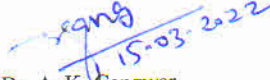
The protocols discussed and approved/ recommended in this meeting are listed in Annexure 1. The committee visited the animal house including small and large animal quarters and found the facilities neat and sturdy. Remarks and suggestions of each member and the nominees were duly noted for compliance.

The members of the committee dispersed with a vote of thanks to the Chair.



Dr. D. S. Upadhyay
(Main Nominee, CPCSEA)



Dr. A. K. Baranwal
(Link Nominee, CPCSEA)



Dr. Mahadeo Kumar
(Sci. from outside institute)


Dr. A. K. Gangwar
(Veterinarian)


Dr. Rishi Kant
(In-charge, Animal House)


Dr. Sushant Srivastava
(Mem. From other biol. discipline)


Dr. S. K. Maurya
(Member Secretary)


Dr. V. K. Singh
(Chairman, IAEC)

A.] LIST OF SMALL ANIMAL PROTOCOLS DISCUSSED AND APPROVED


SN	IAEC ref #	Title	PI	Remarks/ Ani	No.
1	01/22	Evaluation of cross linked decellularized urinary bladder, pericardium and diaphragm scaffold of caprine origin prepared using <i>sapindus mukorossi</i> fruit pericarp extract for regeneration of urinary bladder defects in New Zealand white rabbits	Dr. A. K. Gangwar	Rabbit	24

B.] LIST OF APPROVED PROTOCOLS CONSIDERED FOR MODIFICATION


SN	IAEC ref #	Approved Title	PI	Proposed Title	Comments/ remarks
1	24/21	Effects of Ginger (<i>Zingiber officinale</i>) and Black Pepper (<i>Piper nigrum</i>) on cryopreservability of buck spermatozoa.	Dr. Rajesh Kumar	Effects of Ginger (<i>Zingiber officinale</i>) and Ascorbic acid on cryopreservability of buck spermatozoa.	Committee accepted the revision as proposed by the respective PIs.
2	25/21	Effects of Curcumin (<i>Curcuma longa</i>) and Ashwagandha (<i>Withania somnifera</i>) on cryopreservability of buck spermatozoa.	Dr. Bhoopendra Singh	Effects of L- Cysteine and Curcumin (<i>Curcuma longa</i>) on cryopreservability of buck spermatozoa.	
3	29/21	Studies on In-vitro efficacy of <i>Nigella sativa</i> against common causing mastitis pathogens	Dr. J. P. Singh	Studies on In-vitro efficacy of <i>Cinnamomum zylanicum</i> against <i>S. aureus</i> isolated from buffaloes with mastitis	
4	30/21	Studies on in vitro efficacy of <i>Curcuma longa</i> and <i>Withania somnifera</i> against bovine mastitis	Dr. S. V. Singh	Studies on in vitro efficacy of <i>Curcuma longa</i> against <i>S. aureus</i> isolated from buffaloes with mastitis	



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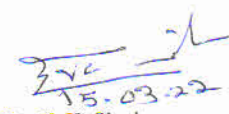

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Dr. Sushant Srivastav
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