

## Published Book

S.N.	Book Name	Arthur's	Publishers	ISBN No.	Year of Publication
1	Plant Physiology at a Glance	Versha Rani, VD Lohot, R K Yadav, Raj Bahadur, Prashansa Singh, <b>Alok Kumar Singh</b> , Rajeev Kumar & Dolly Promilla Bara	Weser Books Publications	978-3-96492-083-6	2018
2	Objective Plant Physiology	VershaRani,A.K.Srivastava, Madan Kumar, Raj Bahadur, Narendra Kumar, Rajesh Kumar, SwarnimaJha, <b>Alok Kumar Singh</b> and Dolly Promilla Bara	Weser Books Publications	978-3-96492-030-0	2018
3	Plant Physiology at a Glance	Versha Rani, VD Lohot, R K Yadav, Raj Bahadur, Prashansa Singh, <b>Alok Kumar Singh</b> , Rajeev Kumar & Dolly Promilla Bara	Weser Books Publications	978-3-96492-083-6	2018
4	Objective Plant Physiology	VershaRani,A.K.Srivastava, Madan Kumar, Raj Bahadur, Narendra Kumar, Rajesh Kumar, SwarnimaJha, <b>Alok Kumar Singh</b> and Dolly Promilla Bara	Weser Books Publications	978-3-96492-030-0	2018
5	Climate Smart Agriculture	DharmeshVerma, Brajendra, Amanullah, Vinayak S. Shekar, Manoj Srivastava, Ritesh Sharma, Kumud Singh, <b>Alok Kumar</b> and Versha Rani	Jaya Publishing House	978-93-88668-03-3	2019
6	Basmati Heritage of India	O.P. Verma	Parmar publication	ISBN: 978-81-941613-3-2.	2019
7	Basmati: Production and Practices	O.P. Verma	Parmar publication	. ISBN: 978-81-941613-	2019

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8	Advances in Seed Technology.	RDS Yadav, RM Tripathi and Shanti Bhushan	Parmar publication		2020
9	Climate Change and Agriculture	<b>Alok Kumar Singh</b> , Sita Ram Mishra, Ramesh Pratap Singh & R.K.Yadav	Rubicon Publications	978-1-913482-88-6	2020
10	Laboratory Protocol for Life Sciences	Raj Bahadur, <b>Alok Kumar Singh</b> , Ayesha Fatima, ArshiNaajAfsana, Jessica Rene Hansdah, Reeshu Singh and Versha Rani	Parmar Publication	978-81-925875-5-5	2020
11	Advances in Seed Technology.	RDS Yadav, RM Tripathi and Shanti Bhushan	Parmar publication		2020
12	Methods Manual for Breeding of Field Crops.	O.P. Verma	Parmar publication	ISBN: 978-81-942537-9-2	2020
13	Climate Change and Agriculture	<b>Alok Kumar Singh</b> , Sita Ram Mishra, Ramesh Pratap Singh & R.K.Yadav	Rubicon Publications	978-1-913482-88-6	2020
14	Laboratory Protocol for Life Sciences	Raj Bahadur, <b>Alok Kumar Singh</b> , Ayesha Fatima, ArshiNaajAfsana, Jessica Rene Hansdah, Reeshu Singh and Versha Rani	Parmar Publication	978-81-925875-5-5	2020
15	A comprehensive Note on Soil Science Vol.-I	Anil Kumar Singh, Kripal Singh, Chitranjan Kumar, Alok Kumar Singh & Dinesh Kumar singh	New AasthaPrakashan	978-81-922-944-1-7	2021
16	A comprehensive Note on Soil Science Vol.-I	Anil Kumar Singh, Kripal Singh, Chitranjan Kumar, Alok Kumar Singh & Dinesh Kumar singh	New AasthaPrakashan	978-81-922-944-1-7	2021

## Agricultural Biotechnology

Book Chapter	Book Name	Arthur's	Publishers	ISBN No.	Year of Publication
	Rapid bioconversion of lignocellulosic biomass by Fungi. Myco-degradation of Lignocelluloses	Adesh Kumar and DivyaSrivastava	Springer Nature	ISBN-978-3030-23834-6	2019
	Mechanisms of bio-film development antibiotic resistance and tolerance and their role in persistent infections. Antibacterial drug discovery to combat MDR	Adesh Kumar and DivyaSrivastava	Springer Nature	ISBN-978-981-13-9870-4	2019
	RNAi Technology- A biotechnological tool to mitigate the impact of climate change on the crops	Arun Kumar, Adesh Kumar, Shambhoo Prasad, VedPrakash, and Sushil Kumar Singh		ISBN-978-1-913482-88-6 (123-136)	2020
	Plant biotechnological approaches for improving agricultural yield and food security in changing climate	Adesh Kumar, Minakshi, Shambhoo Prasad, Arun Kumar, Alok Pandey, VedPrakash, Sushil Kumar Singh and Raj Bahadur		ISBN-978-1-913482-88-6	2020
	Biotechnology as tool to develop insect resistant transgenic Bt. Crops	DivyaSrivastava, Adesh Kumar and Shambhoo Prasad		(ISBN 978-81-8329-997-8) (209-216)	2020
	Role of ribosome – Inactivating proteins and antifungal proteins in food crops	DivyaSrivastava, Adesh Kumar and Shambhoo Prasad		(ISBN 978-81-8329-997-8) (217-224)	2020

	Deciphering and Harnessing Plant microbes: Detangling the Patterns and Process- A clean, Green Road to Sustainable Agriculture.		Jayakumar Pathma, Ashim Debnath, Jyoti Bhimgonda Patil, Laxman Sonawane Bhushan	Current Trends in Microbial Biotechnology for Sustainable Agriculture. Springer		2020
	Fodder and Livestock Scenario in Uttar Pradesh		Yadav, R.S.	„Indian Fodder Scenario: Redefining State wise Status“ ICAR- AICRP on Forage Crops & Utilization, IGFR, Jhansi	p-180-132	2019
<b>Book</b>						
	Microbiology at glance		Adesh Kumar	Kalyani Publishers	(978-93-272-7784-5)	2017
	Model short and essay type question and answers in Biotechnology		BK Singh, Sudhir Kumar, AvinashPandey, Arun Kumar, Adesh Kumar, and GyanPrakash Mishra	Weser Books Publications		

#### Book chapter

1. Raja Hussain, Nitin Vikram, Garima Yadav, Deepal Kumar, Sonika Pandey, Monica Patel, N. A. Khan and Touseef Hussain (2022) Microbial Bioremediation of heavy Metals By Marine Bacteria. Chapter-9 In Development in Wastewater Treatment Research and Processes. Microbial degradation of Xenobiotics through bacterial and Fungal approach. Edited by Susana Rodriguezcoto, Maulin P. Shah, LUT University, Finland. *Elsevier* Publisher pp 177-203. ISBN :978-0323-85839-7.
2. Rahul Kumar Singh, R.K. Doharey and Manoj Kumar “Diffusion and Adoption of Innovations”. Published by, Parmar Published & Distributors, Dhanbad, Jharkhand, p.p. 95-101. ISBN: 978-93-84113-83-4
3. N.R. Meena and R.K. Doharey “Crop Diversification and Soil Health Management for Sustainable Development” with the chapter-2021 “A Case study of farmers about knowledge of Pea production technology in Hadoti region of Rajasthan”. Published by, Green-Tech Books, 4767-63/23, Ansari Road, New Delhi-110002, p.p. 169-176. ISBN: 978-81-89729-56-1

4. Ram Singh Yadav, Vikash Singh Sengar and R.K. Doharey Publication in Book Chapter-2021 “Risk and Uncertainty Management in Agriculture” in edited book titled “Innovative Research & Technology in Agricultural Sciences (Volume-2)”. Published by, Scripown Publications, New Delhi-110002, pp.59-69. ISBN:978-93-9083-45-0
5. Ram Singh Yadav, Vikash Singh Sengar, K K Singh, R.K. Doharey and Annu Publication in Book Chapter-2021 “Test of Hypothesis” in edited book titled “Innovative Research & Technology in Agricultural Sciences (Volume-2)”. Published by, Scripown Publications, New Delhi-110002 pp.70-76. ISBN:978-93-9083-45-0
6. Mishra, S.R., Gupta, S., Aryan, R.K. and Singh, A.K. (2021). A Book Chapter of “*Agrometeorological observatory In: A text book of Modern organic farming in India*”. Page no:163-179
7. A comprehensive note on soil science Vol. -1 by Anil Kumar Singh, Kripal Singh, Chitranjan Kumar, Alok Kumar Singh & Dinesh Kumar Singh. ISBN No. 978-81-922-944-1-7, 2021
8. Shraddha Singh, Sumant Pratap Singh, Saurabh Singh and Alok Kumar Singh (2021). “Physiology of plant seed development” published in *Advances in Agriculture Sciences* by Akinik Publications. ISBN No. 978-93-5570-205-0.
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10. Vishal Mehta (2022). An Improved Estimation of Parameter of Morgenstern-Type Bivariate Exponential Distribution Using Ranked Set Sampling. *Edited book entitled “Ranked Set Sampling Models and Methods”* Publisher: IGI Global (USA), 1-25 [DOI: 10.4018/978-1-7998-7556-7, ISBN13: 9781799875567, ISBN10: 1799875563, EISBN13: 9781799875581][ISBN13 Soft cover: 9781799875574].
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14. Raja Hussain, Nitin Vikram, Garima Yadav, Deepal Kumar, Sonika Pandey, Monica Patel, N. A. Khan and Touseef Hussain (2022) Microbial Bioremediation of heavy Metals By Marine Bacteria. Chapter-9 In *Development in Wastewater Treatment Research and Processes*. Microbial degradation of Xenobiotics through bacterial and Fungal approach. Edited by Susana Rodriguezcoto, Maulin P. Shah, LUT University, Finland. Elsevier Publisher pp 177-203. ISBN :978-0323-85839-7

15. NiyajAhamad, Adesh Kumar,Shalini Srivastava KM Komal, MeenakshiSiddhant Gupta (2021) Isolation of and characterization of plant growth promoting rhizobacteria (PGPR) of Pulse crop published by Vaibhav Lakshmi Prakashan Varanasi pp 107-111 (ISBN 978-81950381-8-3)
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18. Prince ,NiyajAhamadAdesh Kumar, Kamlesh Kumar and HibaAkhter(2022) The Indian Monsoon: Ffactors affectingpublished in Recent Advances in Agriculture by Weser Books Germany pp 231-246 (ISBN 978-3-96492-388-2)
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36. Current Approaches for diagnosis and Control of Haemoprotozoan diseases to improve Animal Productivity” Amit Singh, Vijendra Kumar Pal, and Hemant Kumar Singh, 2021 2021 ISBN 9789391452117

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2. Singh, H.K. (2017). Current Research and Innovations in Plant Pathology. Volume-1. AkiNik Publications 169, C-11, Sector-3, Rohini, Delhi-110085, India. PP.-107.
3. Singh, Mahesh and Singh, H. K. (2018). Variability and disease management of Alternaria blight of mustard. LAP LAMBERT Academic Publishing GmbH & Co. KG Heinrich-Bocking-Str. 6-8, 66121, Saarbrucken, Germany. 17 Meldrum Street, Beau Bassin 71504 Mauritius. (ISBN 978-613-8-38741-1).
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6. Singh, H.K. (2019). Current Research and Innovations in Plant Pathology. Volume-4. AkiNik Publications 169, C-11, Sector-3, Rohini, Delhi-110085, India. PP.-202.
7. Singh, H.K. (2019). Current Research and Innovations in Plant Pathology. Volume-5. AkiNik Publications 169, C-11, Sector-3, Rohini, Delhi-110085, India. PP.-168. **DOI:** <https://doi.org/10.22271/ed.book22>.
8. Singh, H.K. (2019). Current Research and Innovations in Plant Pathology. Volume-6. AkiNik Publications 169, C-11, Sector-3, Rohini, Delhi-110085, India. PP.-201. **DOI:** <https://doi.org/10.22271/ed.book.347>.
9. Singh, H.K. (2019). Current Research and Innovations in Plant Pathology. Volume-7. AkiNik Publications 169, C-11, Sector-3, Rohini, Delhi-110085, India. PP.-130. **DOI:** <https://doi.org/10.22271/ed.book.425>.
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15. Singh, H.K. (2021). Current Research and Innovations in Plant Pathology. Volume-13. AkiNik Publications 169, C-11, Sector-3, Rohini, Delhi-110085, India. PP.-114. **DOI:** <https://doi.org/10.22271/ed.book.1019>.
16. Singh, H.K. (2021). Current Research and Innovations in Plant Pathology. Volume-14. AkiNik Publications 169, C-11, Sector-3, Rohini, Delhi-110085, India. Pages. 215. **DOI:** <https://doi.org/10.22271/ed.book.1163>.



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24. Singh, A.K., **Mishra, S.R.**, Singh, R.P. and Yadav, R.K. (2020). A Book of “*Climate Change and Agriculture*”. Published by Rubicon Publications 4/4A Bloomsbury Square, Bloomsbury Square, London, WC1A2RP, England, ISBN: 978-1-913482-88-6 in July, 2020 pages:217.

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#### **BOOK CHAPTER PUBLISHED:**

##### **2018**

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4. N. Kumar, A.K. Gangwar and Kh. Sangeeta Devi (2018). Carbon fibers in biomedical applications. Published in the book “Recent developments in the field of carbon fibres”. Intech open ISBN: 978-1-78923-519-7

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3. Singh, A.K., **Mishra, S.R.** (2020). A Book Chapter of ***“Climate Change and its impact on Agriculture”***. Published by Rubicon Publications 4/4A Bloomsbury Square, Bloomsbury Square, London, WC1A2RP, England, **ISBN: 978-1-913482-88-6** in July, 2020 pages:178.
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5. Pradip Kumar, Hemant Kumar Singh and Bhanu Pratap (2021). Diseases of Grape and Their Management. In: Diseases of Economically Important HORTICULTURAL CROPS. (eds. Smita Puri, R.P. Singh and R.K. Saraf), Daya Publishing House, New Delhi, pp.131-146.
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8. Hemant Kumar Singh, Manish Kumar Maurya and Pradip Kumar (2021). Major Diseases of Jamun and their Management. In: Diseases of Economically Important HORTICULTURAL CROPS. (eds. Smita Puri, R.P. Singh and R.K. Saraf), Daya Publishing House, New Delhi, pp.251-256.

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1. Maurya, M.K. and Singh, H.K. (2021). Major Diseases of Apple and their Management. (Diseases of Economically important Horticultural crops Edt by Puri Smita, Singh, R.P. and Saraf, R.K.) Published by Daya Publishing House- A Division of Astral International Pvt. Ltd. New Delhi – 110 002. PP. 11-16.
2. Kumar, P., Singh, H.K. and Pratap, B. (2021). Diseases of Grape and their Management. (Diseases of Economically important Horticultural crops Edt by Puri Smita, Singh, R.P. and Saraf, R.K.) Published by Daya Publishing House- A Division of Astral International Pvt. Ltd. New Delhi – 110 002.PP. 131-146.
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4. Kumar, Vipin., Kumar, Ajay and Singh, H.K. (2021). Important Diseases of Onion and their Management. (Diseases of Economically important Horticultural crops Edt by Puri Smita, Singh, R.P. and Saraf, R.K.) Published by Daya Publishing House- A Division of Astral International Pvt. Ltd. New Delhi – 110 002.PP. 173-184.
5. Singh, H.K. and Maurya M. K. (2021). Major Diseases of Pomegranate and their Management. (Diseases of Economically important Horticultural crops Edt by Puri Smita, Singh, R.P. and Saraf, R.K.) Published by Daya Publishing House- A Division

- of Astral International Pvt. Ltd. New Delhi – 110 002. PP. 201-206.
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  11. Khangembam Sangeeta Devi, Anil Kumar Gangwar, Naveen Kumar, Vineet Kumar and Ajit Kumar Singh (2021). Surgical care of perinates with malformations. In: Bovine prenatal, perinatal and neonatal medicine. Edited by Szenci Otto et al, Published by Hungarian Association for Buiatrics, Budapest, Hungary. Pp 203-216 (ISBN 978-615-01-3935-7).
  12. Vineet Kumar, S.D. Vora, F.A. Asodiya, N. Kumar and A.K. Gangwar (2020). Fourier Transform Infrared Spectroscopy of the Animal Tissues Intech open (DOI: 10.5772/intechopen.94582)
  13. Naveen Kumar, Vineet Kumar, Sanjay Purohit, A.K. Gangwar, S. Shrivastava, S.K. Maiti, Sonal Saxena, D.D. Mathew, P.D.S. Raghuvanshi, A.K. Singh and K.P. Singh (2021). Decellularization of skin tissues. In: Decellularization methods of tissue and whole organ in tissue engineering, Edited by Abdol-Mohammad Kajbafzadeh. Print ISBN: 978-3-030-82734-2; Online ISBN: 978-3-030-82735-9.

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3. Pratap, Bhanu., Singh, H.K., and Yadav, Atul (2021). Jamun (Minor Fruits : Eidet by Verma, R. S., Ram, R.B. and Lata Rubee. PP. 61-65. Vital Biotech Publication. ISBN

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1. 2022 Singh, H. K., Maurya, Manish Kumar and Singh, Dinesh. (2022). Postharvest Diseases of Aonla (*Embllica officinlis Gaertn*) and Their Management. Editors: Dinesh Singh, V. Devappa, S. Jahagirdar, H. R. Gautam and Rashmi Aggarwal. Today & Tomorrow's Printers and Publishers - New Delhi (India). PP. 201-207.
2. Sandeep Kumar Pandey, P K Mishra, Pankaj Sharma, N G Cutting(2022) Optimization solution for Automated Drip irrigation system, Comprehensive on Next Generation Agriculture. Published by Rathore Academic Research Publication New Delhi.Year-2022 ISBN: 978-93-90648-40-5.
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4. Pradip Kumar, Gulab Chand Yadav, C.N.Ram and Ram Lakhan Singh (2022). Major diseases of fennel (*Foeniculum vulgare L.*) and their management. In: Modern Technology of Agriculture. (eds. Abhinav Kumar, Atul Yadav, Sandeep Kumar, Ram Lakhan Singh, Ajay Kumar Gautam and Pramod Kumar), Learning Media Publication A-16, Aman Vihar, Mawana Road, Opp. J.P. Academy, Meerut, pp. 20-26.  
(ISBN: 978-93-91872-27-4)
6. Pradip Kumar, O.P.Rao & Atul Yadav (2022). Mushroom growing: An Emerging Agribusiness. In: Modern Technology of Agriculture, (eds. Abhinav Kumar, Atul Yadav, Sandeep Kumar, Ram Lakhan Singh, Ajay Kumar Gautam and Pramod Kumar), Learning Media Publication A-16, Aman Vihar, Mawana Road, Opp. J.P. Academy, Meerut, pp. 51-61.
7. Pradip Kumar, C.N.Ram and Gulab Chand Yadav (2022). Major diseases of ginger (*Zingiber officinale Rosc.*) and their management. In: Modern Technology of Agriculture, (eds. Abhinav Kumar, Atul Yadav, Sandeep Kumar, Ram Lakhan Singh, Ajay Kumar Gautam and Pramod Kumar), Learning Media Publication A-16, Aman Vihar, Mawana Road, Opp. J.P. Academy, Meerut, pp. 27-37
8. Ram Lakhan Singh, Pradeep Kumar and P.K. Mishra (2022). Intercropping Author. In: Modern Technology of Agriculture. (eds. Abhinav Kumar, Atul Yadav, Sandeep Kumar, Ram Lakhan Singh, Ajay Kumar Gautam and Pramod Kumar), Learning Media Publication A-16, Aman Vihar, Mawana Road, Opp. J.P. Academy, Meerut, pp.13-19.
9. Ram Lakhan Singh, Pradip Kumar and Manoj Kumar Singh (2022). Potato. In: Modern Technology of Agriculture. (eds. Abhinav Kumar, Atul Yadav, Sandeep Kumar, Ram Lakhan Singh, Ajay Kumar Gautam and Pramod Kumar), Learning Media Publication A-16, Aman Vihar, Mawana Road, Opp. J.P. Academy, Meerut, pp. 112-120

## Fellow Award

1. Dr. H. K. Singh (2017). Selected “Fellow of Indian Phytopathological Society (FPSI)” during the 69<sup>th</sup> Annual Meeting of the Society and National Symposium on “Diagnosis and Management of Plant Disease Integrated Approaches and Recent Trends” to be held at ICAR Research Complex for NEH Region, Umiam, Meghalaya during January 9-11, 2017.
2. Dr. H. K. Singh (2017). Selected “Society of Plant Protection Sciences Fellow Award (SPPS Award)” during the 12<sup>th</sup> National Symposium on “Biotic Stress Management Strategies: Challenge and Environmental Harmonization” during January 17-19 February, 2017 at UBKV, Cooch Behar (West Bengal).
3. Dr. K.D.Singh Adrash Vidya Saraswati Rashtriya Puraskar Glacial Journal Research Foundation 2021
4. Dr. K.D.Singh Young Scientist Award Society for Agriculture Innovation and development (SAID) 2017
5. Dr. K.D.Singh Young Teacher Award JMD Educational Society Etah, UP 2017
6. Dr. K.D.Singh Excellence in Research Award Society for Agricultural Innovation & Development, Ranchi 2018
7. Dr. K.D.Singh Young Teacher Award Science & Tech Society For Integrated Rural Improvement (S&T SIRI) 2017
8. Dr. Subodh Kumar The Best Professor Glacial Journal Research Foundation 2021
9. Dr. Subodh Kumar Excellence Award in Teaching and Research Biologix Research and Innovation Centre Pvt. Ltd. 2017
10. Dr. Ajeet Kumar Verma The Best Young Scientist Glacial Journal Research Foundation 2021
11. Dr. Vishudda Nand Adrash Vidya Saraswati Rashtriya Puraskar Glacial Journal Research Foundation 2021
12. Received excellence teaching Award in the field of Agril. Meteorology by Green Agri Professional Society during 2019-20
13. Received Best teacher Award for excellence Student Research at Student Instructional Farm Research at ANDUAT, Kumarganj, Ayodhya on 5 September, 2019
- 14.