

CURRICULUM VITAE

Name: **Aditya Pratap Singh**
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Academic Qualifications



Year	Particulars	Board/University	Sub./Stream	Marks
2023	Ph. D. <i>Screening and genetic analysis of reproductive heat tolerance and associated physiological traits in Indian mustard (Brassica juncea L. Czern and Coss)</i>	Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, West Bengal	Genetics and Plant Breeding	8.61 CGPA
2019	Post- Graduation <i>Study of combining ability and gene action for some chemo-morphological characters in Grasspea (Lathyrus sativus L..)</i>	Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, West Bengal	Genetics and Plant Breeding	8.21 CGPA
2017	Graduation	College of Horticulture and Forestry, Central Agricultural University, Pasighat Arunachal Pradesh	Horticulture	8.95 CGPA
2012	12 th	Chinmaya Vidyalaya, Bokaro Steel City (Jharkhand)/ CBSE	PCMB, PE	74.17 %
2010	10 th	St. Paul's High School, Hajipur (Bihar)/ CBSE	Eng., Hindi, Maths, Sci. and Social Science	9.6 CGPA

Research Interests

Breeding for Abiotic Stress Resilience, Field based Phenotyping, Molecular Biology, Quantitative Genetics.

Software Proficiency

- Softwares: R, SPSS, Graphpad Prism, MiniTab, OriginPro and MS-Office.

Experience

- Assistant Professor**, Department of Plant Breeding and Genetics, School of Agriculture, GIET University, Gunupur-765022, Rayagada, Odisha. (**22.08.2022 – present**)
- Senior Research Fellow** in project entitled 'Breeding for yield, earliness and quality traits in Indian mustard under heat stress condition of red and laterite zone of West Bengal'; funded by Department of Science & Technology and Biotechnology, Govt. of West Bengal; August, 2019- August, 2022.

Sponsored Projects

- Title: Effect of Hind-o-Meal Plus on growth, Yield, and Yield attributes of Tomato. Sponsoring Agency: Hindustan Seeds Pvt Ltd, Titilagarh – 767033, Odisha. Year: 2023

✚ Membership of Professional Societies/Editorial Board

- Life Member of 'Agri-India TODAY', Peshok Tea Estate, PO. -Peshok-734312, Dist.-Darjeeling, West Bengal, Membership ID- AGIT-L/13.
- Life Member of the 'Indian Society for Plant Physiology' Membership ID- LM-1206.
- Member of Editorial Board of the Journal- 'Journal of Science and Research Innovations' ISSN: 2583-9004 (Online)
- Member of Editorial Board of the E-magazine 'Agri-India TODAY', ISSN: 2583-0910.

✚ Research Publications

A. Books

- 1) **Singh, A. P.**, Behera, M. & Swain, R. (2024). *A Practical Manual on Crop Improvement II (Rabi crops)*. Bigfoot Publications, New Delhi. ISBN: 978-81-969351-4-6
- 2) **Singh, A. P.**, Sampath, V., Kiran, M., Kumari, R., & Rahana, R.S.N. (2023). *Plant Tissue Culture: Basic and Applied*. Elite Publishing House, New Delhi. ISBN: 978-93-58996-62-3
- 3) Behera, M., Swain, R. and **Singh, A. P.** (2024). *A Practical Manual on Fundamentals of Genetics*. Bigfoot Publications, New Delhi. ISBN: 978-81-970347-7-0
- 4) Swain, R., Behera, M., & **Singh, A. P.** (2024). *Practical Manual on Fundamentals of Agricultural Biotechnology*. Bigfoot Publications, New Delhi. ISBN: 978-81-970745-9-2
- 5) Atta, K., Ghosh, T., & **Singh, A. P.** (2024). *Crop Physiology: A Practical Approach*. Bigfoot Publishers, New Delhi. ISBN: 978-81-972420-2-1.
- 6) Wadikar, P. B., Naveen, A., Pradhan, M., **Singh, A. P.** and Moharana, S. K. (ed.). (2023). *Plant Breeding and Genetics: Present concepts and approaches*, Vol. 3. Integrated Publications, New Delhi, India. 343p, ISBN: 978-93-95118-87-3 <https://doi.org/10.22271/int.book.291>

B. Published Papers:

- 1) **Singh, A. P.**, Majhi, T., Das, D & Dewanjee, S. (2023). Phenotypic Characterization of Indian Mustard Using Agronomic and Quality Traits under Semiarid Climate. *Annals of Applied Biology* <https://doi.org/10.1111/aab.12883> (NAAS- 8.60)
- 2) Mishra, P., Al khatib, A.M.G., Mohamad Alshaib, B., Kuamri, B., Tiwari, S., **Singh, A. P.**, Yadav, S., Sharma, D. & Kumari, P. (2023). Forecasting Potato Production in Major South Asian Countries: A Comparative Study of Machine Learning and Time Series Models. *Potato Research*, <https://doi.org/10.1007/s11540-023-09683-z> (NAAS- 8.90)
- 3) Atta, K., Mondal, S., Gorai, S., **Singh, A. P.** et al. (2023). Impacts of Salinity Stress on Crop Plants: Improving Salt Tolerance through Genetic and Molecular Dissection. *Frontiers in Plant Science*, <https://doi.org/10.3389/fpls.2023.1241736> (NAAS- 11.60)
- 4) **Singh, A. P.**, Singh, S. & Pandey, P. K. (2022). Studies on the production of reactive oxygen species and their scavenging mechanism in lentil (*Lens culinaris* Medic.) seedlings. *The Pharma Innovation Journal*, 11(3), 1523-1530 (NAAS- 5.23)
- 5) Mantry, S. K., **Singh, A. P.**, Jana, K., Sarkar, S., & Bhattacharyya, S. (2023). Gamma ray induced mutagenesis in ricebean [*Vigna umbellata* (Thunb.) Ohwi and Ohashi] for improved forage related traits. *Journal of Crop and Weed*, 19(3), 122-131. (NAAS- 5.27)
- 6) Sen, A., **Singh, A. P.**, Sarkar, S., & Bhattacharyya, S. (2022). EMS induced mutagenesis in green gram for small seeded bruchid resistant genotype. *Journal of Crop and Weed*, 18(3), 158-164. (NAAS- 5.46)
- 7) Garg, H. S., **Singh, A. P.**, Panja, S., & Bhattacharya, C. (2023). Genetic Variability Parameters for Yield and Related Traits in Rice (*Oryza sativa* L.) under Irrigated Normal and Drought Stress Condition. *International Journal of Plant & Soil Science*, 35(21), 768–775. <https://doi.org/10.9734/ijpss/2023/v35i214041> (NAAS- 5.07)
- 8) Kumari, S., Kumar, S., **Singh, A. P.** & Singh, R. P. (2022). Variability analysis for yield and yield attributing traits in direct sown upland rice *Biological Forum – An International Journal*, 14(2): 1338-1343 (NAAS- 5.11)
- 9) Mathukmi, K., Sarkar, A., Ariina, M. M. S., **Singh, A. P.** & Ringphami, W. S. (2022). Variability studies on banana (*Musa spp.*) genotypes of Nagaland. *The Pharma Innovation Journal*; SP-11(9), 169-172 (NAAS- 5.23)

- 10) Kumari, A., Senapati, B. K., Aich, A. R. & **Singh, A. P.** (2021). Estimation of Gene Action and Interaction for Some Quantitative Characters in Rice (*Oryza sativa* L.) by Generation Mean Analysis, *International Journal of Bio-resource and Stress Management*, 12(6), 737-744 <https://doi.org/10.23910/1.2021.2465> **(NAAS-5.11)**
- 11) Kumar, Y., Prajapati, V. M., Tandel, M. B., Govind, Pathak, J.G., Parmar, M. R. & **Singh, A. P.** (2022). Effect of Nitrogen, Rhizobium and Growing Environments on Nodulation, Nutrient Content and Uptake of *Albizia procera*. R. b. *Biological Forum – An International Journal*, 14(1), 549-553 **(NAAS- 5.11)**
- 12) Nandi, D., Chakraborty, A., Biswas, T., Meher, D. & **Singh, A. P.** (2022). Role of trichomes in plant defence – A crop specific review. *Crop Research*, 57, 460-475 <http://doi.org/10.31830/2454-1761.2022.895> **(NAAS- 4.41)**
- 13) Kishore, P. S., **Singh, A. P.**, Dewanjee, S. & Pandey, P. K. (2022). Mutation Breeding as a Tool for Aphid Resistance in Indian mustard [*Brassica juncea* (L.) Czern & Coss]. *Biological Forum – An International Journal*, 14(1), 1111-1118 **(NAAS- 5.11)**
- 14) Pachuau, R., Lalmuanpuii, R. & **Singh, A. P.** (2022). Citriculture in the Face of Climate Change. *International Journal of Theoretical & Applied Sciences*, 14(1), 57-60 **(NAAS- 3.60)**
- 15) Kumar, Y., Mohammed, H., **Singh, A. P.**, Singh, T. J., Tatan, T., Kabir K., Tasing, S., Yoka, T. & Mohammed, H S. (2022). Plant Composition in Traditional Homegardens of Berung Village, East Siang, Arunachal Pradesh. *International Journal of Theoretical & Applied Sciences*, 14(1), 01-07 **(NAAS- 3.60)**
- 16) **Singh, A. P.**, Pandey, P. K., & Joshi, R. P. (2023). Harnessing genetic diversity for climate-resilient maize: A comprehensive review. *Journal of Agriculture, Biology and Applied Statistics*, 2(2), 89-96. DOI: 10.47509/JABAS.2023.v02i02.02
- 17) Moharana, A. Lenka, B., **Singh, A. P.**, Kishor, N., Kumar, B. N. & Das, S. R. (2020). Peanut as a food source: A review. *Journal of Pharmacognosy and Phytochemistry*, 9(6), 225-232
- 18) Lenka, B., Kulkarni, G. U., Moharana, A., **Singh, A. P.**, Pradhan, G. S. & Muduli, L. (2020). Millets: Promising Crops for Climate-Smart Agriculture. *International Journal of Current Microbiology and Applied Sciences*, 9(11), 656-668
- 19) Ramadhan, A. J., Yadav, S., Anand, S., **Singh, A. P.**, Atta, K., Abotaleb, M., ... & Albadran, Z. (2024). Assessment of Municipal and Industrial Wastewater Impact on Yamuna River Water Quality in Delhi. In *BIO Web of Conferences* (Vol. 97, p. 00124). EDP Sciences.

C. Book Chapters

- 1) **Singh, A. P.** (2024). Genetic Insights and Crop Improvement Strategies in Minor Millets. In P. Heisnam, Y. D. Singh, P. Dutta, A. Moirangthem, G. Langangmeilu, & L. Ningombam (Eds.), *Small Millets: Nutri Cereals to Secure Dietary and Economic Security* (pp. 177-195). Imphal-795004, Manipur: College of Agriculture, Central Agricultural University
- 2) Giri, A., **Singh, A. P.**, Ali, M. H., & Tamang, A. (2024). Underexploited Horticultural Crops: A New Income Source for Small and Marginal Farmers. In Dr. Eggadi Ramesh, Dr. Vangapandu Thriveni, Dr. S. Deepti, & Dr. Anant Tamang (Eds.), *Unveiling of Underexploited Horticultural Crops* (pp. 1-16). New Delhi Publisher. ISBN 9788119006960.
- 3) Sarkar, S., **Singh, A. P.**, & Bhattacharyya, S. (2024). Allele mining for seed nutrient content in green gram. In C. Kole, C. Bharadwaj, & A. Sarkar (Eds.), *Allele Mining for Genomic Designing of Grain Legume Crops*. CRC Press, Taylor & Francis Ltd. ISBN13: 9781032471983 (Accepted)
- 4) Atta, K., **Singh, A. P.**, Dash, S. S. S., Devi, Y. L., Baidya, A., Shah, M. H., Karmakar, S., Dutta, D. & Hossain, A. (2023). Physiological and biochemical approaches for mitigating the effect of abiotic stresses in wheat. In M. K. Khan, A. Pandey, M. Hamurcu, O. P. Gupta, S. G. (Eds.) *Abiotic Stresses in Wheat: Unfolding the Challenges* (pp. 95-109). Academic Press (an imprint of Elsevier). <https://doi.org/10.1016/B978-0-323-95368-9.00002-3>
- 5) Singh, S., **Singh, A. P.**, Mukherjee, S., Verma, S., Chaurasiya, D. K. & Kumar, V. (2023). Allelochemicals for pest management in sustainable agriculture. In R. Yonzon, M. S. Devi (Eds.) *Innovative Approaches in Plant Protection* (pp. 107-135). Prakhar Goonj Publication, Delhi-110089
- 6) **Singh, A. P.**, Devi, Y. L., Pandey, P. K. & Chanu, T. M. (2023). Biotechnology interventions in integrated farming systems: an entrepreneurial opportunity in climate change scenario. In A. Kumar, M. B. Katare,

- B. Sharma, S. P. Lal, M. S. Malik (Eds.) *Entrepreneurship in Integrated Farming System* (pp. 341-355). Daya Publishing House, New Delhi.
- 7) **Singh, A. P.**, Kishore, P. S., Kar, S. & Dewanjee, S. (2022). Secondary Metabolites of *Brassica juncea* (L.) Czern and Coss: Occurrence, Variations and Importance. In Dr. S. Kumar (Ed.) *Brassica - Recent Advances*, IntechOpen Limited, U.K. <https://doi.org/10.5772/intechopen.107911>
 - 8) Atta, K., **Singh, A. P.**, Adhikary, S., Mondal, S. & Dewanjee, S. (2022). Drought Stress: Manifestation and Mechanisms of Alleviation in Plants. In Prof. M. Eyvaz (Ed.) *Drought - Impacts and Management* (pp. 1-4). IntechOpen Limited, U.K. <https://doi.org/10.5772/intechopen.102780>
 - 9) Adhikary, S., Biswas, B., Naskar, M. K., Mukherjee, B., **Singh, A. P.** & Atta, K. (2022). Remote sensing for agricultural applications. In M. Eyvaz, A. Albahnasawi, E. Gurbulak and M. Tekbas (Eds.) *Arid Environment- Perspectives, Challenges and Management* (pp. 1-14). IntechOpen Limited, U.K. <https://doi.org/10.5772/intechopen.106876>
 - 10) **Singh, A. P.** & Bhutia, P. (2020). Cucumber: Aspects of Genetic Improvement. S. Rout (Ed.) *Agriculture and Forestry: Current Trends, Perspectives, Issues-II* (pp. 143-149) Immortal Publication, Andhra Pradesh, India
 - 11) **Singh, A. P.**, Mukherjee, S. & Dewanjee, S. (2021). Importance of Plant Genetic Resources in Climate Change Scenario. In S. Rout, K. Pradhan and A. K. Prusty (Eds.) *Food and Agriculture* (pp. 429-444). ESN Publications, Tamilnadu, India.
 - 12) **Singh, A. P.** & Jamir, A. R. (2021). Medicinal Solanum Species: A Short Review. In S. K. Agarwal, A. K. Nakkella, S. Rout (Eds.) *Herbal Medicine – A Benign and Conventional Medical System*, (pp. 60-66). Immortal Publication, Andhra Pradesh, India.
 - 13) Devi, Y. L. & **Singh, A. P.** (2021). Climate Smart Agriculture and Hi-Tech Farming. In W. Hasan, S. G. Mundhe, A. M. Ansari, S. Kumari (Eds.). *Implications for Climate Smart Agriculture* (pp. 259-273). Biotech Books, New Delhi
 - 14) Roy, D., **Singh, A. P.**, Devi, Y. L. & Limboo, T. K. (2021). Climate Resilient Smart Agriculture for Sustainable Livelihood. In W. Hasan, S. G. Mundhe, A. M. Ansari, S. Kumari (Eds.). *Implications for Climate Smart Agriculture* (pp. 325-336). Biotech Books, New Delhi
 - 15) Chaurasiya, D. K., Singh, S., Kumar, M., **Singh, A. P.** & Sahni, S. (2021). Bio-Control of Insect Pests through Entomopathogenic Fungi: A Novel Approach. In H. K. Singh (Ed.) *Current Research and Innovations in Plant Pathology Volume- 14* (pp. 77-99). AkiNik Publications, New Delhi

D. Short Communications

- 1) **Singh, A. P.** (2021). Achievements in Genome Sequencing of Major Oilseeds. *Journal of Molecular Biomarkers & Diagnosis*, 12(1), 13-14.

E. Published Abstracts

- 1) **Singh, A. P.**, & Sadhukhan, R. (2023). Study of combining ability and heterosis for some chemomorphological characters in grasspea (*Lathyrus sativus* L.). In Challenges, Opportunities and Strategies of Plant Science for Crop Improvement (pp. 121-122). Presented at the National Seminar organized by the Ranchi Chapter of the Indian Society of Genetics & Plant Breeding, New Delhi, in collaboration with the Indian Society of Genetics & Plant Breeding, New Delhi. Hosted by the Department of Genetics & Plant Breeding, Birsa Agricultural University, Ranchi-834006, Jharkhand, India. November 8-9, 2023.
- 2) **Singh, A. P.** and Sadhukhan, R. (2023). Quest for low neurotoxin Khesari (*Lathyrus sativus*) towards food security to tackle malnutrition. In National Seminar on 'Livelihood Improvement of Tribals through Sustainable Agriculture' organized by School of Agriculture, GIET University, Gunupur, Rayagada, Odisha from 24-25 March, 2023, P. 93.
- 3) Atta, K., Ghosh, T., **Singh, A. P.**, Mondal, S. and Nath, R. (2023). Physiological upscaling of crop response of chickpea (*Cicer arietinum* L.) with hormonal and nutritional interventions. In International Conference on, 'Pulses: Smart Crops for Agricultural Sustainability and Nutritional Security', organized by Indian Society of Pulses Research and Development (ISPRD) & Indian Institute of Pulses Research (IIPR), Kanpur in collaboration with ICAR, ICARDA, IPGA and DAC, Gov. of India at at NASC, New Delhi-110012 during Feb. 10-12, 2023, P. 358.

- 4) **Singh, A. P.**, Atta, K. and Pandey, P. (2022). Studies on the production of reactive oxygen species and their scavenging mechanism in Lentil (*Lens culinaris* Medic.) seedlings. In International Conference on 'Green Technology, Agriculture Information Technology, Business Management and Social Sciences & Award Ceremony' organized by Research Education Solutions in association with Society for Ecological Sustainability and Centurion University during 16th-17th July, 2022.
- 5) Atta, K., **Singh, A. P.**, Mondal, S. and Nath, R. (2021). Response of Chickpea (*Cicer arietinum* L.) to hormonal and nutritional interventions. In International Conference on 'Integrated Approaches towards Sustainable Management of Environment for Safe Food, Nutrition and Improved Health' organized by Department of Ecological Studies and International Centre for Ecological Engineering and Department of Food and Nutrition, University of Kalyani, West Bengal, India. December 15-17, 2021. P. 104.
- 6) **Singh, A. P.**, Majhi, T., Singh, S. and Dewanjee, S. (2020). Genetic Engineering in Carbon Biosequestration: Opportunities in Crop Improvement. In National Webinar on 'Approaches toward Development of Rural and Agriculture Sector in the present Scenario' organized by College of Agriculture, JNKVV, Tikamgarh, (M.P.), ISBN: 978-81-926009-9-4, May 8-9, 2020, P. 78.
- 7) **Singh, A. P.**, Singh, S., Chaurasiya, D. and Jena, P. (2019). Bio-efficacy evaluation of Azoxystrobin 23% SC on potato for the control of late blight disease under the Gangetic plains of West Bengal. In Sixth Annual Convention of the Society for Fertilizers and Environment and National Seminar on 'Use of Agro-chemicals for a Sustainable Agriculture and Environment' and Annual General Meeting organized by Society for Fertilizer and Environment in collaboration with Bidhan Chandra Krishi Viswavidyalaya (BCKV), Nadia, West Bengal at FACC (Lake Hall), BCKV, Kalyani on March 27, 2019. P. 81.
- 8) Majhi, T., Mandal, G. S., **Singh, A. P.**, Dewanjee, S. (2019). Genetic diversity analysis of some jute (*Corchorus capsularis*) genotypes based on morphological characterization. In National Seminar on 'Agro-Chemical Inputs and its Extension Approaches Towards Food Security and Bio-Safety: Prospects & Challenges' organized by SAMETI-WB, IRDM F/C-RKMVERI and SSKVK-RKMVERI, West Bengal, November 15-16, 2019. P. 96.
- 9) **Singh, A. P.** (2018). Combating water scarcity to secure & sustain yield: The way forward. In National Seminar on 'Vegetables for livelihood and nutritional Security under changing climate scenario' Organized by Department of Vegetable Science Faculty of Horticulture Bidhan Chandra Krishi Viswavidyalaya, Mohanpur (BCKV), Nadia, West Bengal at Farmers' Academy & Convention Centre (FACC), BCKV, Kalyani, Nadia, West Bengal, India. December 6-7, 2018. P. 89.
- 10) Singh, S., Chaurasiya, D. K., **Singh, A. P.** and Islam, S. K. M. (2020). Integrated management of agricultural insect pests using entomopathogenic fungi. In International Web Conference on 'Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2020)' organized by Astha Foundation (AF) Meerut Uttar Pradesh, India in collaboration with CSAUAT, Kanpur, SSDAT, Meerut, BAU, Ranchi, IGKV, Raipur, BAU, Sabour, SKRAU, Bikaner and UAHS, Shivamogga. December 28-30, 2020. P. 195.
- 11) Kombo, O., Sahare, H. A., & **Singh, A. P.** (2024). Effect of pre-storage, pulsing, packaging, and storage on Oriental Lily. In Kumar, P. N., Nair, S. A., Kumar, R., Sujatha, S., Smitha, G. R., Bharathi, T. U., & Rohini, M. R. (Eds.), Book of Abstracts. National Conference on Recent Trends and Future Prospects of Floriculture in India, January 09-11, 2024 (p. 201). Bengaluru-560 089, India: Director, ICAR-IIHR.
- 12) Daryal, U., & **Singh, A. P.** (2023). Sustainable Agroforestry: A Key Player in Climate Change Mitigation. In Singh, L., Chaudhary, A. K., & Kumar, S. (Eds.), Proceedings of the International Agricultural Conference: Natural vs Organic Farming in Context to Bhartiya Agriculture (pp. 405). S.R. Scientific Publications. ISBN: 978-938377479-1.

Articles in Popular Press

- 1) **Singh, A. P.**, & Gouda, S. (2024). Utilizing Environmental DNA/RNA for Pathogen Detection & Ecology. *Food and Scientific Reports*, 5(5), 27-32.
- 2) **Singh, A. P.** (2024). Systems Biology and Network Genetics for Crop Improvement. *Vigyan Varta*, 5(5), 90-96.
- 3) **Singh, A. P.**, Limboo, T. K., & Pandey, P. K. (2024). Natural Farming: Cultivating Harmony with Nature. *Agri-India Today*, 4(3), 64-68.

- 4) **Singh, A. P.**, Pandey, P. K., & Kumar, A. (2024). Breeding crops for taste and nutrition: A paradigm shift in agricultural science. *The Agriculture Magazine*, 3(7), 523-528.
- 5) **Singh, A. P.**, Jamir, I., & Sahoo, S. (2024). Cracking the code: How mathematical models predict and manage plant disease. *The Agriculture Magazine*, 3(4), 244-260. ISSN: 2583-1755
- 6) **Singh, A. P.**, Ghosh, P. K., & Pandey, P. K. (2024). Seeds of nourishment: The ascendance of biofortified crops. *The Agriculture Magazine*, 3(4), 132-138. ISSN: 2583-1755
- 7) **Singh, A. P.**, & Vanlaltani, L. (2024). The rise of wheat blast: A genomic tale of evolution, diversity and resistance. *Just Agriculture*, 4(6), 294-302. ISSN: 2582-8223
- 8) **Singh, A. P.**, & Kombo, O. (2024). Breeding crops for urban agriculture. *Just Agriculture*, 4(6), 56-66. ISSN: 2582-8223
- 9) **Singh, A. P.**, Langangmeilu, G., & Giri, A. (2024, January). Sowing Resilience: Navigating Challenges and Nurturing Growth in Community Seed Banks. *Agriculture & Food e-Newsletter*, 6(1), 556-560, ISSN: 2581-8317.
- 10) **Singh, A. P.**, & Limboo, T. K. (2023, December). Aluminum Tolerance in Crops: Breeding Strategies and Molecular Insights. *Scientific Innovation Magazine*, 1(3), 41-46. ISSN: 2584-1157.
- 11) **Singh, A. P.** & Bhutia, P. (2022). Allele Mining: Prospects in Genetic Improvement of Crops. *Readers Shelf*, 18(10), 22-24
- 12) Parida, B., Adarsh, V., & **Singh, A. P.** (2024). Scientific perspectives on sustainable horticulture in India. *Scientific Innovation Magazine*, 1(6), 6-13.
- 13) Adarsh, V., Parida, B., & **Singh, A. P.** (2024). Agriculture, Pesticide and Environment: A Comprehensive Overview. *Agri-India Today*, 4(3), 16-21.
- 14) Langangmeilu, G., Jenlu, G., **Singh, A. P.**, & Sahoo, S. (2024). Unlocking the potential: Biochar's role in sustainable agriculture and environmental stewardship. *Agriculture & Food: E-Newsletter*, 6(2), 27-29, ISSN 2581-8317
- 15) Bhutia, P. and **Singh, A. P.** (2022). Biofortified Vegetable Crops for Nutritional Security. *Readers Shelf*, 18(11), 33-36
- 16) Ghosh, P. K., **Singh, A. P.**, Biswas, U. & Mondal, S. (2022). Impact of seed priming on seed germination. *Times of Agriculture*, July-2022, 51-52
- 17) Bhutia, P. & **Singh, A. P.** (2022). An underutilized potential indigenous vegetable 'Tupistra nutans'. *Readers Shelf*, 18(07), 23-26
- 18) **Singh, A. P.**, Bhutia, P. & Kumar, Y. (2022). Prospects and Potential of Artificial Intelligence in Agriculture. *Readers Shelf*, 18(08), 25-27
- 19) **Singh, A. P.**, Bhutia, P. (2022). High Throughput Phenotyping in Crop Improvement Programmes. *Readers Shelf*, 18(09), 29-32
- 20) Ghosh, P. K., Biswas, U. & **Singh, A. P.** (2022). Effect of Containers on Seed Quality under Storage Conditions. *The Agriculture Magazine*, 1(6), (Special-1), 308-312
- 21) Singh, S., **Singh, A. P.** & Pandey, K. (2022). Mango Wilt: Emerging Threat to Mango Cultivation. *Agriculture & Food E-Newsletter*, 4(01), 329-330
- 22) Kumar, Y. & **Singh, A. P.** (2022). More Crop Per Drop. *Agri Articles*, 02(01), 194-197
- 23) Kumar, Y. & **Singh, A. P.** (2022). Recent and Advanced Sampling Methods for Forest Inventory Process. *Readers Shelf*, 18(05), 9-12
- 24) Kumar, Y. & **Singh, A. P.** (2022). Salt Affected Soils: Significance and Management for Sustaining Crop Yields. *Readers Shelf*, 18(05), 26-29
- 25) Singh, S., **Singh, A. P.**, Chaurasiya, D. K., Mukherjee, S. & Mondal, G. (2020). Entomopathogenic Fungi as Biocontrol Agents in Agriculture. *Biotica Research Today*, 2(5), 264-266
- 26) **Singh, A. P.**, Singh, S., Bhutia, P. & Dewanjee, S. (2020). Geographical Indications for Agricultural Products: Status and Prospects. *Biotica Research Today*, 2(5) Spl., 267-270
- 27) **Singh, A. P.**, & Devi, Y. L. (2020). Abiotic Stresses in Plants: Important Secondary Metabolites. *AgriCos e-Newsletter*, 1(3), 148-150
- 28) **Singh, A. P.**, Singh, S. & Maurya, P. K. (2020). Fusarium Wilt of Muskmelon: Breeding Approaches for Resistance. *AgriCos e-Newsletter*, 1(2), 92-95
- 29) Devi, Y. L. & **Singh, A. P.** (2020). Molecular Biology of Plant Tolerant to Acidic Soil Condition. *AgriCos e-Newsletter*, 1(6), 13-14

- 30) Langangmeilu, G., Heisnam, P., **Singh, A. P.**, Moirangthem, A., Sahoo, S., & Jenlu, G. (2024). Bio-Nanosensors: Revolutionizing Crop Management with Nanotechnology. *Just Agriculture*, 14-17.
- 31) Sarkar, S., **Singh, A. P.**, & Balo, S. (2024). Millets: A Potential Alternative of Rice and Wheat for Water-Scarce Region in India. *Biotica Research Today*, 6(5), 239-242.

Conference & Seminars

1. Presented poster entitled 'Response of Chickpea (*Cicer arietinum* L.) to hormonal and nutritional interventions' in International Conference on 'Integrated Approaches towards Sustainable Management of Environment for Safe Food, Nutrition and Improved Health' organized by Department of Ecological Studies and International Centre for Ecological Engineering and Department of Food and Nutrition, University of Kalyani, West Bengal, India. December 15-17, 2021.
2. Presented poster in National Seminar on 'Agro-Chemical Inputs and its Extension Approaches towards Food Security and Bio-Safety: Prospects & Challenges' organized by SAMETI-WB, IRDM F/C-RKMVERI and SSKVK-RKMVERI at SAMETI, Narendrapur, Kolkata, W.B. on 15th and 16th November, 2019.
3. Presented poster in Sixth Annual Convention of the Society for Fertilizers and Environment and National Seminar on 'Use of Agro-chemicals for a Sustainable Agriculture and Environment' organized by Society for Fertilizer and Environment in collaboration with Bidhan Chandra Krishi Viswavidyalaya at FACC (Lake Hall), BCKV, Kalyani on 27th March, 2019.
4. Presented poster in National seminar on 'Vegetables for livelihood and nutritional security under changing climate scenario' organized by Department of Vegetable Science, Faculty of Horticulture, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur-741252, W.B., on 6th and 7th December, 2018.
5. Attended International Webinar on 'Efficient Tools for Effective Research Communication and Publications' organized by the World Food Preservation Center, USA from June 12 to 14, 2020.

Awards/Scholarship/Fellowship

- Qualified UGC-NET 2022.
- Recipient of **University Gold Medal** for highest CGPA in BSc (Hons.) Horticulture (2017) from Central Agricultural University, Imphal, India.
- Recipient of **ICAR-NTS** (National Talent Scholarship) in Graduation and Post-Graduation.
- Received **1st position** in oral presentation in an international conference on 'Green Technology, Agriculture Information Technology, Business Management and Social Sciences & Award Ceremony' organized by Research Education Solutions in association with Society for Ecological Sustainability and Centurian University during 16th-17th July, 2022.
- Received **1st position** in oral presentation in a national seminar on 'Livelihood Improvement of Tribals through Sustainable Agriculture' organized by School of Agriculture, GIET University, Gunupur, Rayagada, Odisha from 24-25 March, 2023.

Trainings & Workshops

1. Thirteen days online training program on 'Advanced Statistical Techniques for Data Analysis Using R' organizes by ICAR- Indian Institute of Rice Research, Rajendranagar, Hyderabad-500030, Telangana in collaboration with Society for Advancement of Rice Research, Rajendranagar, Hyderabad-500030, Telangana, from 3rd to 15th January, 2022.
2. One-week online STTP under AICTE Quality Improvement Scheme (AQIS) on Recent Advances and Trends in Machine Learning: Theory and Application (Phase-3) organised by Department of Electrical Engineering, Asansol Engineering College, West Bengal, from 8th to 13th February, 2021.
3. Seven days' training on 'Statistical Analysis in SPSS Software' (online mode) organized by REST Society for Research International (RSRI), Krishnagiri, Tamil Nadu, India; from 01 June, 2020 to 06 June, 2020.
4. Seven days' DBT Sponsored Virtual 'Short Term Training Program (STTP) on Data Science and Statistical Applications' jointly Organized by the Department of Statistics, Bharathiar University, Coimbatore-641046 and PG & Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020 (Under DBT Star College Scheme) from 15.03.2021 to 20.03.2021 and 22.03.2021.

5. Six days' online training program on 'Data Science in Agriculture' under the NAHEP Component-2 project 'Investment in ICAR for Leadership in Agricultural Higher Education' organized by ICAR-Indian Agricultural Statistics Research Institute, New Delhi-110012 on 26th-31st May 2020.
6. Five days' online workshop on 'Climate Change: Management Strategies for Doubling the Farmers Income' organized by Multi Technology Testing Centre (MTTC) & Vocational Training Centre (VTC), College of Fisheries, Central Agricultural University, Lembucherra, Tripura, India; held during 12-16th May, 2020.
7. Two days online National Workshop on 'Research Methodology: Concepts & Applications' organized by the Directorate of Students Welfare, Maharana Pratap University of Agriculture and Technology, Udaipur, Rajasthan during 26-27 June, 2020.
8. One-day National Workshop & Stakeholders' Meet on 'Medicinal Plants in Eastern India: Constraints and Prospects', organized by ICAR-Research Complex for Eastern Region, Patna, Bihar -800014, on August 06, 2021
9. One-day workshop on 'Learning Essentials of Research Planning using Elsevier Tools: Scopus, ScienceDirect & Mendeley' organized by Elsevier at National Institute of Food Technology Entrepreneurship and Management on Wednesday 24 June, 2020.

Symposiums

- The First UKIERI-SPARC symposium on 'Genome Regulation in Development and Disease' organized by The University of Manchester, United Kingdom on Feb 26th, 2021.

FDPs

1. Two weeks FDP on 'R Language & RStudio' organized by Department of Computer Science and Engineering, Cambridge Institute of Technology, Bengaluru (under PMMMNMTT, MHRD, Gov. of India) from 22nd June to 5th July, 2020.
2. One week FDP on Recent Trends in Research Article Writing (online mode) organized by REST Society for Research International (RSRI) Krishnagiri, Tamil Nadu, India, from 27 September 2021 to 01 October 2021.
3. Faculty Development Programme on 'IPRs for Professional Innovators' - Session I & II organized by Institution Innovation Council (IIC) - Aarupadai Veedu Institute of Technology (AVIT) & Vinayaka Mission's Research Foundation (VMRF) on 16.06.2020 and 17.06.2020.

Internships

- Assignment-based virtual internship on RTI cum Drafting Skills organized by Hoot Welfare Society, H. No. 147, New Friends Colony, Jankipuram Extension, Sector-6, 226031, Lucknow, from the period of 29th October, 2020 to 25th November, 2020.

Short-term Courses

- Six-week online course on 'Statistical Techniques for Agriculturists' sponsored by agMoOCs, BAU Sabour, IIT Kanpur and Commonwealth of Learning, Canada from the period of 31st May to 26th July, 2022.
- Six-week online course on 'Employment Generation among Rural Youth through Agripreneurship' sponsored by agMoOCs, BAU Sabour, IIT Kanpur and Commonwealth of Learning, Canada from the period of 3rd May to 14th June, 2020.
- One Week Online Short-Term Course on LaTeX, conducted by the Department of Information Technology, Mizoram University in association with Spoken Tutorial Project, IIT Bombay, MHRD, Govt of India, from 29th June, 2020 to 3rd July, 2020.

Declaration:

I confirm that the information provided by me is true to the best of my knowledge and belief.

Aditya Pratap Singh

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