




महात्मा ज्योतिबा फुले
कृषिविद्यापीठ, बरेली

Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	Anuj	Last Name	Mishra	Photograph
Designation	Assistant Professor (Contract)					
Department	Faculty of Agriculture Science & Technology					
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Educational Qualifications (Graduation Onwards)						
Course/Degree	Institution			Year	Details/Thesis Topic/Subjects	
B. Sc. (Hons) Ag.	Banda University of Ag. & Technology, Banda			2018	Agriculture	
M. Sc. (Ag.) GPB	Banda University of Ag. & Technology, Banda			2022	Genetics and Plant Breeding	
Ph. D (Ag.) GPB	Chandra Shekhar Azad University of Ag. & Technology, Kanpur			2025	Genetic Studies on Quantitative and Quality Traits for Yield in Wheat (<i>Triticum aestivum</i>)	
Career Profile						
Organization / Institution		Designation		Duration	Role	
Banda University of Ag. & Technology, Banda		Young Professional-II		19/01/2021-21/09/2022	Research	
Department of Genetics & Plant Breeding Faculty of Ag. Science & Technology, MJPRU, Bareilly		Assistant Professor		01/11/2025- Till Date	Teaching and Research	
Research Interests / Specialization						
Genetics, Plant Breeding, Crop Improvement, Stress Breeding, Molecular Plant Breeding						
Teaching Experience (Subjects/Courses Taught)						
-						
Honors & Awards						
<ul style="list-style-type: none">Awarded with Bronze Medal in Both UG and PG.International young scientist best oral presentation award in 12th International Science Congress.Youth in Agri-Research award in international conference on “Applied science and emerging technologies for global resilience” organized by department of environment and natural resources, 360 research foundation.						
Publications /Academic Activities (Numbers Only)						
Chapters in Edited Books	05	Articles Published in Popular Forum, e.g., Websites, Blogs, Newspapers, Magazines etc.	07	Workshops, Trainings and Summer/ Winter School:	07	
Research Papers Published in International Journals	08	Seminar/ Conferences Attended	04	Membership of Academic/ Professional Bodies	01	
Research Papers Published in Other Journals	05	Seminars/ Conferences Organized	01	Posters/ Oral Presented in Seminars/ Conferences	03	

Details of Publications /Academic Activities (2021 Onwards)

(a) Chapters in Edited Books

1. **Anuj Mishra**, Rakesh Kumar, Sandeep Kumar & Indra Pratap Singh (2023). Pearl Millet: Nature's Versatile Treasure. *Millets: A strive towards a sustainable future*. PMW Publisher ISBN- 978-81-96458-82-9.
2. **Anuj Mishra**, Rakesh Kumar, Vivek Singh & Pramod Kumar Prajapati (2023). Amaranth: A nutritional Powerhouse for Vibrant Living. *Millets: A strive towards a sustainable future*. PMW Publisher ISBN- 978-81-96458-82-9.
3. **Anuj Mishra**, Rakesh Kumar, Sandeep Kumar, Shivam Tripathi and Pawan Kumar Gupta (2024). Empowering Farmers and Elevating Socio-Economic Status through Plant Breeding. *Technological Innovations and Economic Productivity*. NIPA Publisher ISBN- 978-93-58876-26-0.
4. Pawan Kumar Gupta, Shivam Singh, Mani Prakash Shukla Shivendra Mishra, Ankit Kumar Maurya and **Anuj Mishra** (2024). Government incentives for empowering farmers: An overview. *Technological Innovations and Economic Productivity*. NIPA Publisher ISBN- 978-93-58876-26-0.
5. **अनुज मिश्रा**, पवन कुमार गुप्ता, कमालुद्दीन, विजय शर्मा, पवन कुमार प्रजापति, सत्येंद्र एवं विजय कुमार कुशवाहा (2024). रागी के पोषण लाभ, कृषि प्रबंधन एवं मूल्य संवर्धन . श्री अन्न : उत्पादन, अनुसन्धान एवं संभावनाएँ . रानी लक्ष्मीबाई केंद्रीय कृषि विश्वविद्यालय, झांसी. ISBN- 978-93-340-8478-8.

(b) Research Papers Published in Reputed Journals

1. **Mishra, A.**, C.M. Singh, V. Sharma, H. Kumar, Kamaluddin, G. Shukla and M. Kumar (2025). Genetic variability, association and principal component analysis for agronomical traits in mungbean (*Vigna radiata* L. Wilczek). *J. Environ. Biol.*, 46: 373-381. **(Impact Factor- 0.6)**
2. Singh, C.M., Kumar, M., Pratap, A., Tripathi, A., Singh, S., **Mishra, A.**, Kumar, H., Nair, R.M. and Singh, N.P. (2022). Genome-wide analysis of late embryogenesis abundant protein gene family in vigna species and expression of VrLEA encoding genes in *Vigna glabrescens* reveal its role in heat tolerance. *Frontiers in Plant Science*, 13, p.843107. **(Impact Factor- 4.1)**
3. Sharma, V., Singh, C.M., Chugh, V., Prajapati, P.K., **Mishra, A.**, Kaushik, P., Dhanda, P.S. and Yadav, A. (2023). Morpho-physiological and biochemical responses of field pea genotypes under terminal heat stress. *Plants*, 12(2), p.256. **(Impact Factor- 4.0)**
4. Singh, V., **Mishra, A.*.**, Sharma, G., Ahalawat, S. and Singh, R.K. (2023). Correlation and path coefficient analysis for yield and its attributing traits in wheat (*Triticum aestivum* L.) Genotypes. *Inter. J. of Env. and Climate Change*, 13(8): 1944-1951. **(Naas Rating- 5.16)**
5. Yadav, I., Sharma, V., Kumar, M., Yadav, L.P., **Mishra, A.**, Singh, V., Singh Dhanda, P., Yadav, A., Yadav, M., Singh, S.K. and Kamaluddin (2023). Assessment of gene action and identification of heterotic hybrids for enhancing yield in field pea. *Horticultrae*, 9(9), p.997. **(Impact Factor- 3.1)**
6. Tripathi, A., Singh, C.M., Kumar, M., Purwar, S., **Mishra, A.**, Kumar, D., Singh, A.K., Kumar, S., Singh, S. and Singh, N.P. (2023). Identification of potential sources of mungbean yellow mosaic India virus resistance in black gram (*Vigna mungo*) and expression of antioxidants and R-genes modulating resistance response in cultivated and its two wild relatives. *Plant Breeding*, 142(5): 668-681. **(Impact Factor- 1.5)**
7. Kumar, S., Singh, L., Yadav, R. K., **Mishra, A.**, Babu, K., Dixit, R. and Kuswaha, C. (2024). Heterosis and inbreeding depression for yield and yield attributing traits of maize (*Zea mays* L.). *Inter. J. of Plant & Soil Sci.*, 36(10): 93-102. **(Naas Rating- 5.07)**
8. Kumar, S., Singh, C.M., Kumar, M., Purwar, S., Kumar, H., **Mishra, A.**, Rai, A., Gangwar, V., Nair, R.M. and Pratap, A. (2024). Identification and characterization of potential sources of waterlogging tolerance in Vigna species as revealed by physiological, biochemical and gene expression profiling. *J. of Plant Biochem. and Biotech.* 33(4): 657-673. **(Impact Factor- 1.60)**
9. **Mishra, A.**, Shweta, Yadav, V. K., Singh, L., Gupta, S. K., Yadav, R. K., Maurya, C. L., Tripathi,

S., Tiwari, U. and Kumar, P. (2025). Evaluation of heterosis and inbreeding depression for seed yield and associated traits in wheat (*Triticum aestivum* L.). *Plant Cell Biotech. and Mol. Bio.* 26(9-10):183-201. **(Naas Rating- 5.20)**.

10. Mishra, A.*, Shweta, Yadav, V. K., Singh, L., Gupta, S. K., Yadav, R. K., Maurya, C. L., Yadav, V. Tiwari, U. and Tripathi, S. (2025). Assessment of trait relationship in wheat (*Triticum aestivum* L.) using correlation and path coefficient analysis. *Plant Archives.* 25 (2): 1783-1790. **(Naas Rating- 5.29)**.

11. Jaiswal, V. K., Yadav, V. K., Kumar, P., Singh, R., Saini, A., Mishra, A. and Shekhar, S. (2025). Dissection of selection parameters of various yield and yield attributing traits of bread wheat (*Triticum aestivum* L.). *Inter. J of Res. in Agron;* 8(2): 159-165. **(Naas Rating- 5.20)**

12. Singh, R., Yadav, V.K., Kumar, P., Chauhan, V., Mishra, A., and Shekhar, S. (2025). Perusal on genetic variability and association of some quantitative traits of bread wheat (*Triticum aestivum* L.). *Inter. J of Res. in Agron;* 8(5): 361-365. **(Naas Rating- 5.20)**

13. Seepal, Y. S., Sharma, V., Kamaluddin, Mishra, A., Singh, S. K. and Gangwar, V. (2025). Trait association and genetic diversity analysis in field pea (*Pisum sativum* var. *arvense* L.) under timely and late sown conditions. *Elec. J. of Plant Breed;* 16(2): 1-8. **(Naas Rating- 5.60)**

14. Sharma, V., M. Kumar, P.K. Prajapati, A. Mishra, Kamaluddin, A. Kumar, H. Jainth and Mukul: Multivariate analysis for quantitative traits in sesame (*Sesamum indicum* L.). *J. Environ. Biol.,* **46**, 843- 851 (2025). **(Impact Factor- 0.6)**.

15. Tripathi, S., Singh, S.V., Yadav, V.K., Yadav, R.K., Singh, L., Maurya, C.L., Tiwari, U., Mishra, A., Singh, R. and Kumar, R. (2025). Assessment of genetic variability, gcv and pcv through line x tester mating design across F₁ and F₂ generations of wheat (*Triticum aestivum* L.). *J. of Scientific Research and Reports*, 2025, 31 (12):1034-1044. **(Naas Rating- 5.17)**.

16. Tiwari, U., Singh, L., Kumar, S., Yadav, R.K., Maurya, C.L., Tripathi, S. and Mishra, A., (2025). Evaluation of genetic variability, gcv and pcv in F₁ and F₂ populations of pea (*Pisum sativum* L.). *J. of Scientific Research and Reports*, 31(12):310-320. **(Naas Rating- 5.17)**.

17. Tiwari, U., Singh, L., Maurya, C.L., Tripathi, S., Mishra, A. and Kumar, P. (2025). Quantitative assessment of heritability and genetic advance for yield attributes using line× tester derived generations in pea (*Pisum sativum* L.). *J. of Advances in Biology & Biotechnology*, 28(12): 1-8. **(Naas Rating- 5.30)**.

18. Kumar, P., Yadav, V.K., Kumar, S., Singh, S., Maurya, C.L., Rawat, D.K., Tiwari, U. and Mishra, A., 2025. Analysis of Correlation and Path Coefficient in F₁ and F₂ Generations of Bread Wheat (*Triticum aestivum* L.) under Normal and Heat Stress Condition. *J. of Advances in Biology & Biotechnology*, 28(11):217-231. **(Naas Rating- 5.30)**.

(c) Articles Published in Popular Journal

1. प्रणव कुमार, बी के गुप्ता और अनुज मिश्रा (2021). लहसुन की खेती, उपयोगिता एवं भण्डारण से मूल्यवर्धन. मध्य भारत कृषक भारती

2. प्रणव कुमार और अनुज मिश्रा (2021). सेहत के साथ-साथ कमाई उत्तम का जरिया है कोदो की खेती. मध्य भारत कृषक भारती

3. अनुज मिश्रा, कमालुद्दीन, विजय शर्मा, सत्येंद्र और विजय कुमार कुशवाहा (2023). संतुलित आहार के लिए पौष्टिक अनाजों की उपयोगिता. खेती

4. पवन कुमार गुप्ता, अनुज मिश्रा, बी के गुप्ता और दीपक कुमार पाठक (2023). कठिया गेहूँ की खेती, बुंदेलखंड के किसानों के लिए वरदान. मध्य भारत कृषक भारती

5. Pawan Kumar Gupta, Abhijeet & Anuj Mishra (2023). Kisan Rath App: A Digital Platform for Transforming Agricultural Transportation and Trade. *Times of Agriculture.*

6. Pramod Kumar Prajapati, Rakesh Kumar & Anuj Mishra (2023). Breeding for Resistance to Biotic Stress. *Times of Agriculture.*

7. Rakesh Kumar, Pramod Kumar Prajapati & **Anuj Mishra** (2023). Breeding for Resistance to Abiotic Stress. Times of Agriculture.

(d) Seminar/ Conferences Attended

1. 3rd International conference on “Global initiatives in agricultural and applied sciences for eco-friendly environment (GIASE-2019)” at Agricultural Technology Development Society and Tribhuvan University, Kathmandu, Nepal. **3 Days (16 June to 18 June, 2019).**

2. National seminar on “Sustainable development of beekeeping in India” at Banda University of Agriculture and Technology, Banda. **2 Days (23 March to 24 March, 2021).**

3. International seminar on “Samajik unnayan ke vividh aayam” organized by Vishwa Sahitya Seva Trust and Chandra Shekhar Azad University of Agriculture and Technology, Kanpur. **2 Days (18 June to 19 June, 2023).**

4. 12th International Science Congress organized by International Science Community Association and Chandra Shekhar Azad University of Agriculture and Technology, Kanpur. **2 Days (8 December to 9 December 2024).**

(e) Workshops, Trainings and Summer/ Winter School

1. Workshop on “Consortium for e-resources in agriculture (CeRA)” organized by Banda University of Agriculture and Technology, Banda. **1 Day (26 February, 2019).**

2. National training on “Technological interventions for quality seed production of nutritional crops” organized by NAHEP-CAAST and Chandra Shekhar Azad University of Agriculture and Technology, Kanpur. **2 Days (23 October to 24 October, 2019).**

3. Training cum certificate course on "Agri-Tech World-2023" organized by CIAT, ICARDA, BUAT, SKNAU, ATARI, CIAG, IISR, IIMR and Hindustan Agricultural Welfare Society. **11 Days (15 August to 25 August, 2023).**

4. Training programme on “Advanced genetics and plant breeding data analysis workshop” organized by Agricultural Research Substation, Sumerpur (Pali) [Agriculture University, Jodhpur]. **5 Days (30 October to 3 November, 2023).**

Workshop on “Intellectual property rights (IPR)” organized by Chandra Shekhar Azad University of Agriculture and Technology, Kanpur. **1 Day (17 February, 2024).**

6. Hands-on-training on “Pre-breeding and cytogenetic approaches for crop improvement: advancement, challenges and opportunities” organized by ICAR-National Institute for Plant Biotechnology, New Delhi. **10 Days (04 March to 13 March, 2024).**

7. International agriculture winter school-cum-training program on “Novel approaches in agricultural system” organized by ICAR- ATARI, CSAUA&T, ISGPB, SKRAU, DYPATU and Hindustan agricultural welfare society. **30 Days (01 March to 30 March. 2025).**

(e) Posters/ Oral Presented in Seminars/ Conferences

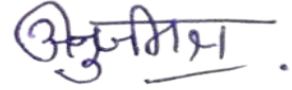
1. Poster on “Participatory plant breeding for sustainable agriculture” in 3rd International conference on “Global initiatives in agricultural and applied sciences for eco-friendly environment (GIASE-2019)” at Agricultural Technology Development Society and Tribhuvan University, Kathmandu, Nepal.

2. Oral presentation on “Biofortified fasalein: Samajik vikas ke liye ek kadam” in international seminar on “Samajik unnayan ke vividh aayam” organized by Vishwa Sahitya Seva Trust and Chandra Shekhar Azad University of Agriculture and Technology, Kanpur.

3. Oral presentation on “Plant breeding: a crucial tool in mitigating climate change and ensuring global food safety” in 12th International Science Congress organized by International Science Community Association and Chandra Shekhar Azad University of Agriculture and Technology, Kanpur.

(f) Other academic projects

1. "Rural agricultural work experience and experiential learning" at Banda university of agriculture and technology, Banda from January 4, 2018 to May 31, 2018.
2. ICRISAT Pilot Project "Baseline survey for knowledge based integrated sustainable agriculture network-mission India for transforming agriculture (KISSAN-MITrA)" Bundelkhand (U.P) India in June 2018.



Signature of Faculty Member