CURRICULUM VITAE

Anurag Shukla

Address: Village- Anwa Buzurag
Post- Dhakaghanshyam
District– Shahjahanpur (242042),
Uttar Pradesh, India
Mobile No: **9651861593**
E-Mail: shuklaanurag10197@gmail.com

PROFESSIONAL OBJECTIVE

Experienced professional in Crop Genetics, Genomics, and Data Science, with a strong background in molecular breeding techniques, marker-assisted selection, genomic data analysis, and bioinformatics. Passionate about applying advanced technologies to enhance crop productivity, resilience, and nutritional value in response to climate change challenges. Committed to driving innovation in sustainable agriculture and contributing to global food security by developing genetically improved crops.

ACADEMIC QUALIFICATION

2021 – 2023	**Chaudhary Charan Singh University, Meerut, U.P.** M.Sc. (Ag.) (Genetics & Plant Breeding) with 74.10%, First Division
2017-2021	**Chhatrapati Shahu Ji Maharaj University, Kanpur** B.Sc. (Ag.) Honours with 78.18%, First Division
2016	**UP Board (Allahabad)** Intermediate (PCM) with 68.8%, First Division Powayan inter collage Powayan, Shahjahanpur (242042)
2014	**UP Board (Allahabad)** High School with 76.66% First Division Powayan inter collage Powayan, Shahjahanpur (242042)

WORK EXPERIENCE

Young Professional-II (**December 2023-Present**)

- I am currently involved in the ICRISAT-Pigeonpea project titled "**Enhancing Pigeonpea Production and Productivity in India by Promoting High-yielding Early Maturing Varieties and Hybrids**" at the Department of Genetics and Plant Breeding, Banda University of Agriculture and Technology, Banda.
  Scope: Crossing in various crops, breeding techniques, layout preparation, processing techniques, quality control, etc.

TECHNICAL EXPERTISES

- Experienced in various molecular techniques such as DNA extraction, quantification, Polymerase chain reaction, gel electrophoresis, PAGE, GPC, MST, etc.
- Microscopic, slide preparation for mitosis and meiosis, micrometry, etc.
- Media Preparation, Autoclave, Incubation, Sterilization.
- DNA extraction from Wheat and Barley.

DATA ANALYSIS

Bioinformatics:

- Biological sequence retrieval from NCBI.
- Proficient in using an "Ensemble Plants, GrainGenes, BLAST and FASTA" Database.

Others:

- Proficient in using a "Next Generation Sequencing" of issuance 03rd Nov 2023.
- Highly experienced using "R- programming" software course certificate issue for 6 Nov 2023.
- Highly experienced using "MS excel" course certificate issue for 8 Nov 2023.
- Highly experienced in use of "SPSS, TASSEL", "Mega 11", "origin-pro", "GEA-R", "IndoStat" and other statistical software.
- Highly experienced in use of "QTL Cartographer, ICIM, Mapchart, RootNav, WinRhizo" software for root trait analysis.
- Sound knowledge of different experimental designs and their analysis.
- Proficient in MS Office (word, excel, PowerPoint) and internet surfing.

THESIS/PROJECT WORK

- "QTL Mapping for Root trait in diploid Wheat (*Triticum monococcum* L.)

  Place: Department of Genetic and Plant Breeding, Chaudhary Charan singh university, Meerut.

  Guide: Prof. Rahul Kumar

PROFESSIONAL TRAINING

- Rural Agricultural Work and Experience (RAWE) 6 months course.
- Training on PREPARATION OF VERMICOMPOST at Smrati Mahavidyalaya, Lakhimpur-Kheri (6 month, 2018).
- Training on PRACTICAL CROP PRODUCTION at Smrati Mahavidyalaya, Lakhimpur-Kheri (6 month, 2018).
- Training on Tissue culture Program at Sugarcane research institute, Shahjahanpur (2 month, 2018).

SCIENCE OUT REACH/EXTENSION ACTIVITIES

- Volunteered at the Science Week Festival *Vigyan Sarvatra Pujyate: Festival of SCoPE*, sponsored by Vigyan Prasar, Government of India, and organized by CCS University, Meerut (U.P.), held from February 22nd to 28th.
- International Conference on "Innovative Approaches in Basic & Applied Sciences for Societal Development," organized by the College of Basic Sciences & Humanities, GBPUAT, Pantnagar, Uttarakhand, scheduled to be held on March 24-25, 2023.

- National Conference on "Modern Agriculture: Innovations and Sustainability for a Resilient Future," organized by the Department of Plant Protection, CCSU, Meerut, Uttar Pradesh, scheduled for December 3-4, 2024.

Patent

1. AGRICULTURE DRONE FOR CROP MONITORING AND SPRAYING PESTICIDES.

Publications and scientific presentations

1. Kumar, H., Kumar, A., Kumar, M., Gupta, V., A., & Panwar, G. S. (2024). Genotype x Environment interaction analysis of desi chickpea (Cicer arietinum L.) cultivars using GGE biplot model for Bundelkhand region. *INDIAN JOURNAL OF GENETICS AND PLANT BREEDING*, *84*(04), 727–730. https://doi.org/10.31742/ISGPB.84.4.24
2. Manasi Singh, Anjali Verma, Anchal Chaudhary, Ayushi Singh, Jitendra Kumar, Anurag Shukla, Rahul Kumar, Yatharth Mishra. Evaluation of recombinant 1RS/1BL chromosome for end use quality and yield contributing traits in wheat (Triticum aestivum L.). Int J Res Agron 2025;8(2):87-94. DOI: 10.33545/2618060X.2025.v8.i2b.2529
3. Kumar, Nitin, Harsh Jainth, Khushboo Devi, Pragya Jee, Anurag, Mukul, Chirag, Divya Singh, Arvind Patel, and Kamaluddin. 2025. "Genetic Divergence and Principal Component Analysis for Yield and Yield Components of Lentil (Lens Culinaris L. Medik.) Genotypes". *Journal of Advances in Biology & Biotechnology* 28 (6):670-79. https://doi.org/10.9734/jabb/2025/v28i62429.

LANGUAGES

- Hindi, English, Bengali (understand), Punjabi(understand).

Place: Shahjahanpur, U.P. **(ANURAG)**