



**Dr. M. K. Singh**  
Assistant Professor

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### EDUCATIONAL QUALIFICATIONS

- **B. Sc. (Ag.):** Institute of Agricultural Sciences, Banaras Hindu University, Varanasi
- **M.Sc. (Ag) Genetics & Plant Breeding:** University of Agricultural Sciences, Bangalore, Karnataka
- **Ph.D. Genetics & Plant Breeding:** GB Pant university of Agriculture and Technology, Pantnagar, Uttarakhand

### PROFESSIONAL AREA

- **Research Area:** Classical and Molecular Plant Breeding
- **Research Interests:** Dissection of QTLs conferring biotic and abiotic stresses in rice and its introgression to breed climate smart rice cultivars.
- **Memberships/Fellow of Societies:** Life member of Indian Society of Genetics and Plant Breeding and Indian Science Congress Association.

### PUBLICATIONS

- **Research articles / Review articles /Short Communication: 25**
- **Books & Book Chapter: 5**
- **Popular articles: 15**

### KEY PUBLICATIONS:

- Singh, A., Singh, Y.V., Sharma, A., Visen, A., Singh, M.K. and Singh, S., 2016. Genetic analysis of quantitative traits in cowpea [*Vigna unguiculata* (L.) Walp.] Using six parameter genetic models. *Legume Research-An International Journal*, 39(4), pp.502-509.
- Singh M K, Kumar G and Tripathi A (2016) Inter-trait correlation and heritability study in direct seeded rice (*Oryza sativa* L.). *Environment & Ecology*, 34 (4A), pp. 1962-1965.
- Amadabade, J., Arora, A., Sahu, H. and Singh, M.K., 2016. Molecular characterizations of Fusarium wilt resistance and confirmation of hybridity in chickpea genotypes. *Eco. Env. & Cons*, 22, pp.47-51.
- Ali, T., Singh, M.K., Bharadwaj, D.N. and Singh, L., 2017. Analysis of genetic divergence in wheat (*Triticum aestivum* L.). *Environment & Ecology*, 35(3B), pp.2081-2083.
- Kumar R, Singh MK, Amadabade J, 2017. Variability, Degree of Genetic Determination and Genetic Advance in Recombinant Inbred Lines of Pea (*Pisum sativum* L.). *Eco. Env. & Cons.*, 23(3), pp. 355-358.
- Banshidhar, Jaiswal P., Singh M. K. and Deo I., 2019. DUS Characterisation of Advanced Recombinant Lines of Kalanamak Rice (*Oryza sativa* L.) Using Morphological Descriptors and Quality Parameters. *CJAST*, 38 (6), pp. 1-8.
- Kumar A., Kumar A., Singh N. K., Kumar R., Singh S. K., Nilanjaya, Singh M. K. and Singh S. K. (2019) Descriptive Statistics and Heritability for Agronomic Traits and Grain Micronutrient Content in Rice (*Oryza sativa* L.). *CJAST*, 38 (6), pp. 1-10.
- Singh M. K., Banshidhar, Kumar A., Tigga A. and Singh S. K., 2020. Exploration of Possibilities to Identify Heterotic Cross Combinations in Aromatic Rice (*Oryza sativa* L.) for Grain Yield and Quality Parameters. *CJAST*, 39 (11), pp. 92-98.
- Banshidhar, Jaiswal P., Singh M. K. and Deo I., 2021. Biochemical evaluation and correlation studies for grain characteristics in Kalanamak advanced recombinant lines. *The Pharma Innovation Journal*, 10 (4), pp. 510-513.
- Parveen, R., Singh, S.K., Singh, M.K. and Barman, M., 2021. Character association studies in Bread wheat genotypes for early heat tolerance and grain micronutrient content. *Environment Conservation Journal*, 22(1&2), pp.111-125.