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EDUCATIONAL QUALIFICATIONS

- **B. Sc. (Ag.):** N.D.U.A.T, Kumarganj, Ayodhya, (UP)
- **M.Sc. (Ag) (Plant Breeding & Genetics):** BAU, Kanke Ranchi, (Jharkhand)
- **Ph.D. (Plant Breeding & Genetics):** RAU, Pusa, Samastipur, (Bihar)

PROFESSIONAL AREA

- **Research Area:** Rice Research, Present research priority Rapeseed & Mustard
- **Research Interests:** Molecular Breeding
- **Memberships/Fellow of Societies:** Oryza and Indian society of Genetics and Plant Breeding

PUBLICATIONS

- **Research articles / Review articles /Short Communication: 41**
- **Books & Book Chapter: 10**
- **Popular articles: 25**

KEY PUBLICATIONS:

- Singh, A., Singh, Y., Mahato, A. K., Jayaswal, P.K., Singh, S., Singh, R., Yadav, N., Singh, A.K., Singh, P. K., Singh, R., Kumar, R., Septiningsih, E.M., Balyan, H.S., Singh, N.K., & Rai, V. 2020. Allelic sequence variation in the Sub1A, Sub1B and Sub1C genes among diverse rice cultivars and its association with submergence tolerance. Scientific reports, 10(1), pp.8621. <https://doi.org/10.1038/s41598-020-65588-8>
- Rao, D.S., Neeraja, C.N., Babu, P.M., Nirmala, B., Suman, K., Rao, L.V.S., Surekha, K., Raghu, P., Longvah, T., Surendra, P., Kumar, R., Babu, V.R., Voleti, S.R. 2020. Zinc Biofortified Rice Varieties: Challenges, Possibilities, and Progress in India. Frontiers in Nutrition. 7. <https://doi.org/10.3389/fnut.2020.00026>.
- Kumar, R., Singh, C.M., Arya, M., Kumar, R., Mishra, S.B., Singh, U.K. and Paswan, S. 2020. Investigating stress indices to discriminate the physiologically efficient heat tolerant genotypes of mungbean [*Vigna radiata* (L.) Wilczek]. Legume Research. (43), pp. 43-49.
- Bhandari, A., Jayaswal, P., Yadav, N., Singh, R., Singh, Y., Singh, B., Singh, N., Singh, S., Sevanthi, A., Rai, V., Verulkar, S., Rao, P.V.R., Rani, M.G., Anuradha, T., Satyanarayana, P.V., Krishnamurthy, S.L., Sharma, P., Singh, D., Singh, P.K., Nilanjay, Kumar, R., Chetia, S., Ahmad, T., Rai, M., Katara, J., Marandi, B., Swain, P., Sarkar, R.K., Singh, D.P., Reddy, J.N., Mandal, N., Paramshivam, K., Nadarajan, S., Thirumeni, S., Badri, J., Padmavathi, G., Ram, T. and Singh, N. 2019. Genomics-assisted backcross breeding for infusing climate resilience in high-yielding green revolution varieties of rice. Indian Journal of Genetics and Plant Breeding. 79(1) Suppl. pp.160-170.
- Ahmad, M.A., Agnihotri, M., Khan, M.S., Dubey, A., Tyagi, B., Kumar, R., and Prakash, N. 2019. Biochemical basis of resistance in chickpea varieties against *Callosobruchus chinensis* linn. (Coleoptera: Bruchidae). Legume Research: 42(2), pp. 282-286.
- Garg, H.S., Kumari .P, Bhattacharya C., Panja S., and Kumar, R. 2017. Genetic parameter estimation for yield and yield related traits in rice (*Oryza sativa* L) with drought tolerance trait under stress condition. Journal of crop and Weed, 13(1), pp. 83-88.
- Kumar, R., Nilmani P., Singh, U.K. and Kumar, N. 2017. Principal Component Analysis of Submergence related traits in landraces of Rice (*Oryza sativa* L). Green Farming. Vol. 8 (1), pp. 16-19.
- Singh, R., Singh, Y., Xalaxo, S., Verulkar, S., Yadav, N., Singh, S., Singh, N., Prasad, K.S.N., Kondayya, K., Rao, P.V.R., Rani, M.G., Anuradha, T., Suraynarayana, Y., Sharma, P.C., Krishnamurthy, S.L., Sharma, S.K., Dwivedi, J.L., Singh, A.K., Singh, P.K., Nilanjay, Singh, N.K., Kumar, R., Chetia, S.K., Ahmad, T., Rai, M., Perraju, P., Pande, A., Singh, D.N., Mandal, N.P., Reddy, J.N., Singh, O.N., Katara, J.L., Marandi, B., Swain, P., Sarkar, R.K., Singh, D.P., Mohapatra, T., Padmawathi, G., Ram, T., Kathiresan, R.M., Paramshivam, K., Nadarajan, S., Thirumeni, S., Nagarajan, M., Singh, A.K., Vikram, P., Kumar, A., Septiningsih, E., Singh, U.S., Ismail, A.M., Mackill, D., Singh, N.K. 2016. From QTL to variety-harnessing the benefits of QTLs for drought, flood and salt tolerance in mega rice varieties of India through a multi-institutional network. Plant Science. 242, pp. 278-287. doi: 10.1016/j.plantsci.2015.08.008.
- Kumar, A., Singh, N.K., Kumar, R., Sharma, V.K., Rai, B., Dayaram. 2015. Estimation of genetic component for yield in rice using generation mean analysis. Oryza. 52 (4), pp.284-291.
- Singh, P., Pandey, A., Mishra, S.B. and Kumar, R., 2012. Genetic diversity study in aromatic rice (*Oryza Sativa* L.); SABRAO. Journal of Breeding and Genetics. 44(2), pp.356-369.