



Dr. N. K. Singh
Professor & Head

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EDUCATIONAL QUALIFICATIONS

- **B. Sc. (Ag.):** TCA Dholi, RAU, Pusa
- **M.Sc. (Ag) (Plant Breeding & Genetics):** PBG, RAU, Pusa
- **Ph.D. (Plant Breeding & Genetics):** PBG, RAU, Pusa

PROFESSIONAL AREA

- **Research Area:** Rice Breeding
- **Research Interests:** Varieties development, release and popularization
- **Memberships/Fellow of Societies:** SARSD, NAFED

PUBLICATIONS

- **Research articles / Review articles /Short Communication: 45**
- **Books & Book Chapter: 15**
- **Popular articles: 25**

KEY PUBLICATIONS:

- Naik, S.M., Raman, A.K., Nagamallika, M., Venkateshwarlu, C., Singh, S.P., Kumar, S., Singh, S.K., Tomizuddin Ahmed, , Das, S.P., Prasad, K., Izhar, T., Mandal, N.P., Singh, N.K., Yadav, S., Reinke, R., Swamy, B.P.M., Virk, P. and Kumar, A. (2020), Genotype × environment interactions for grain iron and zinc content in rice. *Journal of the Science of Food and Agriculture*, 100 (11), pp. 4150-4164. <https://doi.org/10.1002/jsfa.10454>.
- 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., Kumar, A., Singh, N.K., Kumar, R., Singh, S.K., Nilanjaya, Singh, M.K., Tigga, A., and Banshidhar. 2020. Association and Path Coefficient Study in F₂ Population for Yield Attributing and Micronutrient Traits in Rice (*Oryza sativa* L.). *Current Journal of Applied Science and Technology*, 39(18), pp.150-157. <https://doi.org/10.9734/cjast/2020/v39i1830794>.
- Kumar, A., Kumar, A., Singh, N.K., Kumar, R., Singh, S.K., Nilanjaya, Singh, M.K., & Singh, S.K. 2019. Descriptive Statistics and Heritability for Agronomic Traits and Grain Micronutrient Content in Rice (*Oryza sativa* L.). *Current Journal of Applied Science and Technology*, 38(6), pp.1-10. <https://doi.org/10.9734/cjast/2019/v38i630419>
- Kumari, P. Nilanjaya and Singh, N.K. 2018. Reverse breeding: Accelerating innovation in Plant Breeding. *Journal of Pharmacognosy and Phytochemistry*, pp. 1811-1813.
- Nilanjaya, Singh, N.K. and Kumari, C. 2018. Differential stage specific diversity assessment under drought stress. *Journal of Pharmacognosy and Phytochemistry*, pp.1379-1382.
- Kumar, S., Singh, N.K., Kumar, R., Singh, S.K., Nilanjaya, C.K. and Kumar, A., 2017. Heterosis Studies for Various Morphological Traits of Rice under Drought Conditions. *Int. J. Curr. Microbiol. App. Sci*, 6(10), pp.507-521.