



Dr. Nilanjaya
Assistant Professor

A. Department of Plant Breeding & Genetics,
PGCA, RPCAU, Pusa, Samastipur-848 125
Bihar, India
M. nilanjaya@rpcau.ac.in
T. +91 6202843136

EDUCATIONAL QUALIFICATIONS

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

PROFESSIONAL AREA

- **Research Area:** Rice and Fodder Improvement Programme
- **Research Interests:** Biofortification and Molecular Breeding
- **Memberships/Fellow of Societies:** Lifetime member of ISGPB, Oryza

PUBLICATIONS

- **Research articles / Review articles /Short Communication: 50**
- **Books & Book Chapter: 10**
- **Popular articles: 25**

KEY PUBLICATIONS:

- 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., Nilanjaya, 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.
- 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., Nilanjaya, 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.
- Kumar, C., Mishra, S.B., Nilanjaya and Singh, C.M., 2017. Investigating morpho-physiological traits and agrometeorological indices in green gram [*Vigna radiata* (L.) Wilczek] for terminal heat tolerance. *Legume Research-An International Journal*, 40(2), pp.271-276.
- Kumar, C., Mishra, S.B., Nilanjaya and Singh, C.M., 2016. Evaluation of selection indices for improving terminal heat tolerance in greengram (*Vigna radiata* L. Wilczek). *Journal of Agrometeorology*, 18(2), pp. 216-221.
- 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.
- 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.
- Kumar, C., and Nilanjaya. 2014. Correlation and path coefficient analysis of yield components in aerobic rice (*Oryza sativa* L.), *Supplement on Genetics and Plant Breeding*, 9(2), pp. 907-913.
- 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