

## List of Publications

1. Sharma, N., Madan, B., Khan, M.S., Sandhu, K.S. and Raghuram, N., 2023. Weighted gene co-expression network analysis of nitrogen (N)-responsive genes and the putative role of G-quadruplexes in N use efficiency (NUE) in rice. *Frontiers in Plant Science*, 14, p.1135675.
2. Sharma, N., Jaiswal, D.K., Kumari, S., Dash, G.K., Panda, S., Anandan, A. and Raghuram, N., 2023. Genome-Wide Urea Response in Rice Genotypes Contrasting for Nitrogen Use Efficiency. *International Journal of Molecular Sciences*, 24(7), p.6080.
3. Sharma, N., Kumari, S., Jaiswal, D. K., & Raghuram, N. (2022). Comparative Transcriptomic Analyses of Nitrate-Response in Rice Genotypes with Contrasting Nitrogen Use Efficiency Reveals Common and Genotype-Specific Processes, Molecular Targets and Nitrogen Use Efficiency-Candidates. *Frontiers in plant science*, 13.
4. Sharma, N., Sinha, V.B., Kumar, N.A.P., Subrahmanyam, D., Neeraja, C.N., Kuchi, S., Jha, A., Parsad, R., Sitaramam, V. and Raghuram, N. (2021). Nitrogen use efficiency phenotype and associated genes: roles of germination, flowering, root/shoot length and biomass. *Frontiers in Plant Science*, 11.
5. Supriya, K., Sharma, N and Raghuram, N\*. (2021). Meta-analysis of Yield-related and N-responsive Genes Reveals Chromosomal Hotspot, Key Processes and Candidate Genes for Nitrogen Use Efficiency (NUE) in Rice. *Frontiers in Plant Science*, 12. (Kumari and Sharma have contributed equally to this work)
6. Pathak, R.R., Mandal, V.K., Jangam, A.P., Sharma, N., Madan, B., Jaiswal, D.K. and Raghuram, N. (2021). Heterotrimeric G-protein  $\alpha$  subunit (RGA1) regulates tiller development, yield, cell wall, nitrogen response and biotic stress in rice. *Scientific reports*, 11(1), pp.1-19.
7. Pathak, R.R., Jangam, A.P., Malik, A., Sharma, N., Jaiswal, D. K\*. and Raghuram, N. (2020). Transcriptomic and network analyses reveal distinct nitrate responses in light and dark in rice leaves (*Oryza sativa* Indica var. Panvel1). *Scientific reports*, 10(1), pp.1-17.