

Name : Dr. Laxmanarayanan M
Date of Birth : 03rd June 1996
Designation : Scientist
Qualification : Ph.D. (Soil Science)
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Educational qualification

- Ph.D. (Soil Science), Assam Agricultural University, Jorhat
- M.Sc. (Soil Science & Agri. Chemistry), University of Agricultural Sciences, Bangalore
- B.Sc. (Agriculture), Tamil Nadu Agricultural University, Coimbatore

Professional Experience

- Scientist at ICAR-NBSS&LUP from 05-12-2025 to till date
- Scientist at ICAR-NAARM from 11-08-2025 to 25-11-2025
- Scientist at ICAR-NBSS&LUP from 07-07-2025 to 08-08-2025
- Senior Technical Officer (T-6) at ICAR-NBSS&LUP from 15-07-2022 to 07-07-2025

Research area

Soil Fertility and nutrient management

Soil amendments (Biochar and Gypsum)

Soil Pedology

Awards

- Qualified ICAR-NET – 2021
- Awarded ICAR – National Talent Scholarship during M.Sc. degree program

Five best research papers along with NAAS rating-2025

S.No.	Publications	NAAS
1	Laxmanarayanan M*, Dhumgond, P., CR, J.B., Sarkar, S. and Nagabovanalli, B., 2022. Influence of yellow gypsum on nutrient uptake and yield of groundnut in different acid soils of Southern India. <i>Scientific reports</i> , 12: 1-14. https://doi.org/10.1038/s41598-022-09591-1	9.80
2	Laxmanarayanan M*, Prakash, N.B., Dhumgond, P. and Ashrit, S., 2020. Slag-based gypsum as a source of sulphur, calcium and silicon and its effect on soil fertility and yield and quality of groundnut in Southern India. <i>Journal of Soil Science and Plant Nutrition</i> , 20: 2698-2713. https://doi.org/10.1007/s42729-020-00335-6	9.40
3	Karthik, R., Deka, M.K., Ajith, S., Laxmanarayanan, M., Prakash, N.B., Kalita, S. and Dhumgond, P., 2024. Influence of silicic acid foliar spray on foraging behaviour of bee pollinators and yield of rapeseed. <i>Silicon</i> , 16: 665-673. https://doi.org/10.1007/s12633-023-02709-8	8.80
4	Prakash, N.B., Dhumgond, P., Goiba, P.K., Laxmanarayanan, M. and Sarkar, S., 2022. Influence of slag-based gypsum on soil available nutrients and yield of different crops grown under different soils of Southern Karnataka. <i>Journal of the Indian Society of Soil Science</i> , 70: 251-255. https://doi.org/10.5958/0974-0228.2022.00025.1	5.34

5 Dhumgond, P., **Laxmanarayanan, M.**, Jahir Basha, C.R. and Prakash, N.B., 2025. Effect of Different Rate and Time of Application of Slag based Gypsum on Nutrient Use Efficiency, Quality and Yield of Groundnut. *Legume Research: An International Journal*, 48(6). 6.80

Book chapters

1. Majumdar, S., M, Laxmanarayanan., Karthik, R., Wanniang, S.K. & Prakash, N.B. (2024). *Zinc and iron solubilizing microbial biofertilizer: a potential tool for sustainable horticultural crop production*. In: Rakshit, A., Meena, V.S., Fraceto, L.F., Parihar, M., Mendonza, A.B. & Singh, H.B. (eds.) Bio-Inoculants in Horticultural Crops, pp. 197–234
2. Ajith, S., Karthik, R., Debnath, M.K., Laxmanarayanan, M., Sarkar, D., Rakesh, S., Datta, R. & Singh, S. (2025) *Optimization of green synthesis of nanoparticles using response surface methodology*. In: Jabborova, D., Sarkar, D., Rakesh, S., Datta, R. & Singh, S. (eds.) Nanomaterials in Agroforestry Systems. Singapore: Springer Nature Singapore, 469–490. https://doi.org/10.1007/978-981-96-1337-3_19

Total publications (peer-reviewed journals only): 05

Citation: 78 (till 23rd December 2025)

Google scholar link: <https://scholar.google.co.in/citations?user=kPmeGY0AAAAJ&hl=en>