

Dr. Nishan M.A.
Assistant Professor
Department of Agronomy
College of Agriculture, Vellayani
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Summary

The need to shift from conventional farming practices towards the adoption of more sustainable, resource-efficient, and farmer friendly agricultural technologies has captivated my research interest. My current research is centred on the development of ready-to-use organo-mineral fertilizers, biochar-based fertilizers, composite manure blends and pellets tailored to the nutrient requirements of different crops of Kerala.

Experience

Joined Kerala Agricultural University as Assistant Professor (Agronomy) in the year 2019

Research Assistant at Interfacial Lab, Water Desalination and Reuse Centre at King Abdulla University of Science and Technology, Thuwal, Saudi Arabia

Agricultural Officer, Government of Kerala

Education

Graduated in Agricultural Science from Kerala Agricultural University (2009)

Post Graduation in Agronomy from Kerala Agricultural University (2012)

Ph.D. in Agronomy from Kerala Agricultural University (2016)

Area of Specialization

Nutrient management, Weed management, Cropping systems Agronomy, Organic farming

Awards and recognitions

KSCSTE Research Fellowship for doing Ph D in Agronomy

Ongoing Research projects

Development and evaluation of bio-organic ready-to-use composite manure mix and pellets for organic cultivation of vegetables

Publications

Journal Articles

1. Athulya B.M., Gowri Priya., Rani B., Aparna B and Nishan M.A. 2023. Assessment of soil quality index in the southern coastal sandy soils of Kerala, India. *International Journal of Environment and Climate change*. 13(8): 526-536
2. Sneha N., Thomas A., Nishan M.A. and Joseph B. 2022. Technology adoption of paddy in north Kerala. *The Pharma Innovation Journal* 11(7): 4487-4489
3. Jerin V.A., Lazarus P.T., Gopakumar S., Durga A.R., Nishan M.A. and Gopinath P.P. 2022. Role of non-timber forest products in income generation of the tribal population: A review. *Asian Journal of Agricultural Extension Economics and Sociology* 40(11): 285-294
4. Sneha N., Thomas A., Nishan M.A. and Seema B. 2022. Factors affecting yield gap of rice in north Kerala. *Journal of Extension Education* 33(1): 6549-6557
5. R.A. Gafoor., P.S. Pillai., M.A. Nishan. and T.S. Rani. 2021. Performance of finger millet under integrated nutrient management in southern laterites of Kerala. *Journal of Crop and Weed* 17(3): 221-224
6. R.A. Gafoor., P.S. Pillai., M.A. Nishan. and T.S. Rani. 2021. Nutritional quality of finger millet as influenced by INM in the southern laterites of Kerala. *Green Farming* 12(3&4): 171-174
7. R.A. Gafoor., P.S. Pillai., M.A. Nishan. 2021. Effect of integrated nutrient management on finger millet: A review. *J. Pharmacognosy and Phytochemistry* 10(5): 292-298
8. Nishan, M.A. and Sansamma George. 2018. Management of water cabbage (*Limnocharis flava* (L.) Buchenau) using new generation herbicides. *Agricultural Science Direct* 38(3): 228-230
9. Nishan, M.A. and Sansamma George. 2018. *Limnocharis flava* (L.) Buchenau : An emerging wetland invader - A review. *Agricultural Reviews*. 39(3): 246-250
10. Nishan, M.A., Girija Devi. L and Geethakumari V.L. 2016. Yield and economics of organic nutrition in direct seeded rice. *Green Farming* 7(3): 659-662
11. Babu, D.S., George, S., and Nishan, M.A. 2015. Competitive behaviour of weed flora in wetland rice ecosystem as influenced by nutrient management and spacing. *Journal of Plant Development Sciences* 6(3): 475-476.
12. Nishan, M.A. and George, S. 2014. Prospects of utilizing water cabbage (*Limnocharis flava* (L.) Buchenau) biomass as an alternate organic manure source. *Journal of Plant Development Sciences* 6(3): 475-476.
13. Babu, D.S., George, S., and Nishan, M.A. 2014. Relative dominance of weed flora in wetland rice ecosystem of Thiruvananthapuram district. *Journal of Plant Development Sciences* 6(2): 197-203.
14. Babu, D.S., George, S., and Nishan, M.A. 2014. Autecology of Blood grass (*Isachne Miliacea* Roth Ex Roem Et Schult) in wetland rice ecosystem. *Plant Archives* 14(2): 1079-1082

Student Guidance as Major Advisor

M. Sc.

Completed : 1

Ongoing : 2

Ph D

Ongoing : 1

Student Guidance as Member of Advisory Committee

M. Sc.

Completed : 5

Ongoing : 2

Ph D

Ongoing : 1
