

Dr. Shimi G.J.

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Summary

Agronomist specialized in plant nutrition for improving productivity in crops. Knowing the importance of adequate plant nutrition in crops, my research focus is aligned to effective nutrient management techniques by the inclusion of smart fertilizers through effective nutrient application methods. Ultimate aim is to find solutions to enhance productivity of crops through effective plant nutrition.

Research Highlights

- Standardized effective agronomic methods for enhancing productivity in vetiver
 - Standardized fertigation schedule and foliar nutrition for productivity improvement in banana
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Experience

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

Education

- Graduated in Agricultural Science from Kerala Agricultural University (2009)
 - Post Graduation in Agronomy from Kerala Agricultural University (2011)
 - Ph.D in Agronomy from Kerala Agricultural University (2014)
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Area of Specialization

Soil fertility and nutrient management

Awards & Recognitions

- Secured first rank in M.Sc. Agronomy in Kerala Agricultural University in 2011
 - Bagged PKR Nair Prize for outstanding PG Research in 2014
 - Secured KSCSTE Research Fellowship for Ph.D. research during 2011-2014
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Research Projects

Completed

1. State Plan Project on “Soil and leaf tissue analysis based agro-advisory services and management of nutrient deficiency problems in the AEU of Thiruvananthapuram district at CoA Vellayani” for an outlay of Rs 7 lakhs
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Publications

Journal Articles

1. Salim, S.S., Shimi, G.J., Pillai, S.P., Raj, S.K., and Sruthy, O.N. 2023. Effect of foliar application of nano-N and nano-Zn on growth and yield attributes in bush type vegetable cowpea (*Vigna unguiculata subsp. unguiculata* (L.) *Verdcourt*). *The Pharma Innovation Journal* 12(5):1073-1076.
2. Shimi, G.J. and Sheela, K.R. 2017. Nutrient use efficiency as influenced by irrigation and nutrient management in banana under precision farming. *Int. J. Agric. Environ. Res.* 3(3):3133-3141.
3. Shimi, G.J. and Sheela, K.R. 2017. Influence of irrigation and nutrient management on fruit quality in banana “Nendran” under precision farming. *Asian J. Biol. Life Sci.* 6(2): 376-379.
4. Sheela, K.R., Pushpakumari, R., Shimi, G.J., and Geethakumari, V.L.2015. Organic farming practices for double-sucker planted banana. *J. Hort.Sci.* 10(2):233-236.
5. Shimi, G.J., Sheela, K.R., and Geethakumari, V.L.2015. Impact of fertigation and foliar nutrition on water use efficiency, water productivity and water economy in banana cv. Nendran in precision farming. *Green Farming* 6(5):1078-1081.
6. Shimi, G.J. and Anilkumar, A.S. 2014. Planting methods, subsurface drip fertigation and bioinoculants on growth and productivity of vetiver [*Vetiveria zizanioides* (L.) Nash]. *J. spices and aromatics* 239 (2):277-280.
7. Shimi, G. J. and Anilkumar, A.S. 2013. Root parameters and root dry matter production of vetiver [*Vetiveria zizanioides* (L.) Nash] in relation to planting methods, fertigation and bioinoculation. *Curr. Adv. Agric. Sci.*5(2):285-286.

Popular Articles

1. Akshara, B. and Shimi, G.J. 2023. Hydrogel: A Magic Gel for Farmers. 2023.*Agriculture and Food-Enewsletter* 5(7):507-510.
2. Shimi, G.J. and Sheela, K.R. 2015. Foliar nutrition-feeding through foliage. *Readers shelf* 11(12):45-46.
3. Shimi, G.J. and Sheela, K.R. 2015. Speciality fertilizers. *Science India*, pp.40-41.
4. Shimi, G.J. 2014. ‘Oushadha samrudham papayayum kattarvazhayum’. *Karshakan* (July), pp.78-79.
5. Shimi, G.J. 2013. ‘Ramacham sugandha pulchedi’. *Kerala Karshakan* (September),p.64.

Books/Chapters in Books

1. Shimi, G. J., Nishan, M. A., Anita, M. R., and Geethakumari, V. L. 2015. Soil Analytical Procedures -At a glance. Trivandrum Publishers, Trivandrum, 51p.
2. Shimi, G. J., Anita, M. R., Nishan, M. A., Geethakumari, V. L. 2015. Plant and Water Analytical Procedures - At a glance. Trivandrum Publishers, Trivandrum, 50p.
3. Sheela, K.R. and Shimi. G. J. 2015. Vaazhayile jalasechanam. In: Thomas, U.C., Sheela, K.R., and Thomas, A.(eds), Vaazha krishi; oru vazhikaati, Kerala Agricultural University, pp.33-36.
4. Sheela, K.R. and Shimi. G. J. 2015. Valaprayogam. In: Thomas, U.C., Sheela, K.R., and Thomas, A.(eds), Vaazha krishi; oru vazhikaati, Kerala Agricultural University, pp.25-29.

Student Guidance (Major Advisor/ Advisory Committee member)

M. Sc.

Within KAU: Completed: 1

Within KAU: Ongoing: 5

Ph. D

Within KAU: Ongoing : 1

Other Institutional Responsibilities

1. Serving as a member of green protocol committee and library development committee
2. Currently serving as class teacher of 56 Undergraduate students.