

# Dr. Sreelakshmi K

## Assistant Professor (Agronomy)

### Centre for Agriculture Innovation and Technology Transfer, Vellayani

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## Summary

I have three year experience of working in Krishi Vigyan Kendra, Palakkad and one year experience in AICRP on weed control, Vellanikkara. During the course of time, I have conducted several on-farm trials and frontline demonstrations. I was officer in charge of National Innovations on Climate Resilient Agriculture (NICRA), Cluster demonstration of oilseeds and pulses (NMOOP and NFSM programme respectively), Co-Ordinator of DAESI (Diploma in Agriculture extension Service for Input dealers 2022 batch), Nodal officer for project on Natural Farming In-plant training coordinator for conducting 6 days On Job Training programme for three batches of VHSE students on the topics Organic grower. Acted as the Principle Investigator for State plan project” Establishment of extension centre for tribal areas of Attapady”. Have conducted several capacity building programmes, initiated documentation and promotion of traditional farming practices at Attapady under the project. I have wo year experience at Department of Agronomy. I am handling Under graduate, Post graduate and Post doctoral classes.

## Research Highlights

Herbicide tank mix combination of bispyribac-Na and almix at 25DAT was found to be agronomically and economically feasible under transplanted rice

Foliar application of chemicals (CaCl<sub>2</sub>, Silisic acid and KCL) along with recommended package of practices for nutrients were found to have a significant impact on cassava even under less or no rainfall

Evaluated cassava varieties for moisture stress under different planting seasons

## Experience

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

## Education

- Graduated in Agricultural Science (Hons.) from Kerala Agricultural University (2007)
- Post Graduation in Agronomy from Tamil Nadu Agricultural Univesity (2013)
- Ph.D in in Agronomy from Kerala Agricultural University (2020)

## Area of Specialization

Weed management, nutrient and stress management

## Awards & Recognitions

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- UGC scholarshio for doing Ph. D in Agronomy
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## Research Projects

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### Ongoing

1. Network project on management of aquatic weeds in paddy
2. Network project on development of AEU based POP recommendation for major crops of Kerala
3. Annual State plan prohect on Screening of cowpea varieties for transient waterlogging tolerance

## • Publications

- 1.
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### Journal Articles

#### (Scopus indexed)

1. Ayisha P. J, Anitha S, Prameela P, **Sreelakshmi K** and Rajalekshmi K.2023.Crop establishment methods and weed management on productivity of cowpea. *Indian J. Weed Sci.*55(1):107-110
2. Prameela P, Savitha Antony, **Sreelakshmi K** and Krishna VR. 2022. Management of Singapore Daisy (*Sphagneticola trilobata*) in plantations. *Pst. Res.J.*34(2):222-225
3. Y. Basila. S. Anitha, M V. Menon, **K. Sreelakshmi** and V.I Beena. 2021. In situ green manuring and herbicide on weed biomass, productivity and profitability of upland rice. *Indian J. Weed Sci.* 53(1):1-6
4. **Sreelakshmi.K** and Meera V Menon.2019. Effect of moisture stress on leaf and root production in cassava (*Manihot esculenta* Crantz.). *J.Tropical.Agric.*57(1):40-45
5. **Sreelakshmi K**, Balasubramanian R , Babu R and Balakrishnan K .(2016). Herbicide combinations for weed management in transplanted rice. *Indian.J.Weed Sci.* 48(1): 60

### Articles not indexecd in Scopus

1. **Sreelakshmi K**, Meera V. Menon and Ajithkumar B. 2020. Seasonal influence on the quality and yield of four different cassava varieties grown in the central midland agro-ecological zone of Kerala. *Int. J. Current Microbiol. App.Sci*

### Popular Articles

1. Darsana S., **Sreelakshmi K.**, Greeshma Baby and Arun V. (2022) *Poshaka Samridhiyude panchakadukal*. Kalpadhenu,25-27.
2. **Sreelakshmi K.** (2022), *Orungam nilakadala krishikayi*, Kalpadhenu,49-52.
3. Gilsha Bai E. B., Smitha Baby., Resmi J and **Sreelakshmi K.** (2021) *Sooshma Jalasechanam*. Kalpadhenu 41:22-25.
4. **Sreelakshmi K** and Meera V Menon. (2020). *Parthenium hysterophorus: Niyanthrana margangalum prayogikathayum*. Kalpadhenu 1: 15-17.
5. **Sreelakshmi K** and Meera V Menon. (2015). *Muttathoru amarapandhal*. Kalpadhenu

## **Books/Booklet**

1. Anoop M, **Sreelakshmi K** and Balaganesh G. Exploring the possibilities of farm-tourism as a supplementary income source of farmers. (2017). New horizons of hospitality and tourism sector. Bharti publications, New Delhi pp: 31-38. ISBN-13 978-938500033.

## **Student Guidance (Major Advisor/ Advisory Committee member)**

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### **M. Sc.**

Within KAU: Completed: 5

Ongoing :1

### **Ph. D**

Within KAU: Completed : 1

## **Membership in Professional Associations**

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1. Life Member of Indian Society of Agronomy
2. Life member of Indian society of Weed Science