



Dr. R. SAMUNDESWARI, M.Sc., Ph.D

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School of Agriculture and Biosciences

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Academic Background

Degree	University	Year
Ph.D	Tamil Nadu Agricultural University, Coimbatore	2018
M.Sc.	Tamil Nadu Agricultural University, Coimbatore	2013
B.Sc.	Tamil Nadu Agricultural University, Coimbatore	2011

Courses Taught

- Fundamentals of Crop Physiology
- Production Technology of Temperate Vegetable Crops
- Production Technology for Vegetables and Spices
- Commercial Floriculture
- Principles of Seed Technology
- Introduction to Agriculture and Horticulture
- Dry Land Horticulture (Practical)
- Seed production of Vegetable, Tuber and Spice Crops (Practical)
- Introduction to Major Field Crops (Practical)
- Experiential Learning Program – Commercial Nursery management and Protected Cultivation, Mushroom Cultivation

Research Interests

- Climate Resilient Agriculture
- Nutrio- Physiology
- Stress Physiology

Memberships in Professional Bodies

- Member, Indian Society of Plant Physiology
- Member, BOSE Science Society (India)
- Member, Valarum Velanmai (India)

MOST RECENT PUBLICATIONS

1. **Samundeswari, R.,** Durga Devi, d., Jayakumar, P. and Jeyapandiyan, N. 2018. Assessment of physiological basis of yield variation in small millets under rainfed condition. International journal of current microbiology and Applied sciences 7(7): 2453 – 2466.
2. **Samundeswari, R,** D. Durga Devi and P. Jeyakumar.2017. Assessment of biochemical basis of yield variation in Proso millet and Little millet. International Journal of Chemical Studies, 5-5-349.
3. **Samundeswari, R,** D. Durga Devi, P. Jeyakumar, P. Sumathi and S. Santhy.2017. Biochemical characterization of Barnyard millet and Foxtail millet under rainfed Condition. Chemical Reviews and Letters. 6(24), 2360-2363
4. **Samundeswari, R,** D. Durga Devi and P. Jeyakumar.2017. Assessment of biochemical basis of yield variation in small millets under rainfed condition. The Pharma Innovation, 7 (6) - 318 - 323.
5. Vijayalakshmi, D., S. Srividhya, **R.Samundeswari** and D. Rajarajan. 2016. Contrasting physiological response to oxidative stress in rice genotypes differing in tolerance to salt and flooding stresses. Madras Agricultural Journal, 103(4-6): p120-125
6. **Samundeswari, R.,** Raveendran Muthurajan and Vijayalakshmi Dakshinamurthi, 2019. Physiological Validation of Co43 *Sub1* For Flooding Stress Tolerance. Bulletin of Environment, Pharmacology and Life Sciences, 8 (10): 68-75