



# ANNAMACHARYA UNIVERSITY

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY  
(ESTD, UNDER AP PRIVATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)  
Rajampet, Annamayya District, A.P – 516126, INDIA

## Faculty Profile

### Basic Information:

NAME : Dr. E. Usha Rani  
DESIGNATION : Assistant Professor  
DEPARTMENT : Crop Physiology  
DATE OF BIRTH : 17.07.1995  
DATE OF JOINING : 18.11.2024  
EMAIL ID : ushacoa@annamacharyauniversity.edu.in  
EMPLOYEE ID: : 2305



### Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D. Agriculture (Plant Physiology)	Orissa University of Agriculture and Technology Indian institute of Horticultural Research	2024
M.Sc. Agriculture (Plant Physiology)	Dr Rajendra Prasad central agricultural university, Pusa, Samasthipur, Bihar.	2019
B.Sc. Agriculture	Acharya N.G. Ranga Agricultural University Agricultural College, Mahanandi	2017

### Research Details:

1. Areas of Specialization	:	Plant Physiology - water stress, salinity stress and phenotyping
2. No. of Publications	:	<ul style="list-style-type: none"><li>Full length Research papers: 7</li><li>Papers presented in Seminars/Conferences/Webinar/Symposia/ Abstracts: 21</li><li>Popular articles: 5</li><li>Book chapter published: 1</li></ul>
3. Awards Received	:	-
4. Research Guidance	:	-
	No. of PhD Guided:	
	No. of MTech. Guided:	
	No. of B.Sc (Hons.) Agriculture. Guided:	



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5. Details of Professional Membership:	Lifetime membership in plant physiology club. Acharya N.G. Ranga Agricultural University
6. Subjects Taught :	<ol style="list-style-type: none"> <li>1. Environmental studies and Disaster Fundamentals of Crop Physiology</li> <li>2. Eco Physiology</li> <li>3. Environmental Science and Disaster Management</li> <li>4. Soil, Plant, water and Seed Testing</li> <li>5. Rural Sociology and Environmental Psychology</li> <li>6. Personality Development</li> </ol>

## Publication Details:

Title	Publisher	Published Year
1. Physiological response of Lentil (Lens culinaris Medik.) genotypes to salinity stress and its mitigation through Microbial inoculation	Legume research	2020
2. Effect of PEG on the germinational growth of Capsicum sps.	Journal of horticultural sciences	2022
3. Root phenotyping of chilli genotypes under moisture stress	Journal of Horticultural sciences	2023
4. Phenological impact in cotton crop affected by leaf Reddening due to abiotic stress	The Pharma innovation	2023
5. Morphological investigations on putative indices of different cotton genotypes regarding leaf reddening under different Irrigation environments	Biological forum -an international journal	2023
6. Phenotyping to dissect genotypic differences and identify source for moisture stress tolerance in Capsicum sps.	International Journal of Agriculture Environment and Biotechnology	2022
7. Effect of container size and types on the root phenotypic characters of capsicum	Journal of Horticultural sciences	2021

## Patent Details: Nil

Title of Patent	Submitted/Published/Awarded