**ANNAMACHARYA UNIVERSITY FACULTY DETAILS FOR WEBSITE**

**About Profile**



NAME: Dr. E. Usha Rani

DATE OF BIRTH: 17.7.1995

DESIGNATION: Assistant Professor

DEPARTMENT: Crop Physiology

EMAIL ID: ushacoa@annamacharyauniversity.edu.in

DATE OF JOINING: 18.11.24

EMPLOYEE ID: 2305

## Academic Profile

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| --- | --- | --- |
| **Qualification** | **Name of the Board/University** | **YEAR** |
| Ph. D  (Plant Physiology) | Orissa University of Agriculture and Technolohy | 2024 |
| M. Sc  (Botany &Plant Physiology) | Dr. Rajendra Prasad central Agricultural University | 2019 |
| B. Sc.(Agriculture) | Acharya N.G. Ranga Agricultural University  Agricultural College, Mahanandi | 2017 |

## Research Details

1. Areas of Specialization: Plant Physiology
2. List of Publications:
   * Full length Research papers: 7
   * Papers presented in Seminars/Conferences/Webinar/Symposia/ Abstracts: 21
   * Popular articles: 4
   * Book chapter published: 1

**Book**

* Ediga Usharani and Kavita sharma. Application of Pseudomonas flourescens, Bacillus subtilis and Trichoiderma viride leads to changes in antioxidant enzymes in legumes. Keshav publication. 2021 & ISBN No:978- 18-931958-2-5.

1. Awards Received :
2. Research Guidance:
3. No. of PhD Guided: 0
4. No. of M.Tech Guided:
5. No. of B.Tech Guided:
6. Details of Professional Membership:

* Indian Society of Plant Physiology

1. Subjects Taught:

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| --- | --- | --- | --- |
| 1. | Fundamentals of Crop Physiology | CPHY 162 | 3(2+1) |
| 2. | Eco Physiology | CPHY 261 | 2(1+1) |
| 3. | Environmental Science and Disaster Management | CPHY 361 | 2(1+1) |
| 4. | Soil, Plant, water and Seed Testing | ELCT222 | 3(1+2) |
| 5. | Rural Sociology and Environmental Psychology | AU-AEXT-192 | 2(1+1) |

## Publication Details

|  |  |  |
| --- | --- | --- |
| Title | Publisher | 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. Phonological 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

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| --- | --- | --- |
| **Sno.** | **Title of Patent** | **Submitted/Published/Awarded** |
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