

# **Faculty Profile**



**Er.R.Nandhini, M.E., (Ph.D.)**

**Assistant Professor (OG)**

## **HIGHLIGHTS:**

- Patents Published: 2

## **PROFESSIONAL LINKS:**

- Anna University Faculty ID: 291273
- AICTE Faculty ID: 110777824903

## **PROFESSIONAL BACKGROUND:**

- Teaching Experience till date: 3 years

## **AREA OF SPECIALIZATION:**

- Renewable energy
- Solar thermal technologies

## **PATENTS PUBLISHED:**

- Compatibility Evaluation of Portable Bio Mechanical Filtration Kit for Paper Plant Effluents, 202341059103A, 2024
- Residential Food Waste Recycler: An Efficient Strategy for Waste Management, 202341059115 A, 2024

## **CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:**

1. Attended six days FDP on “Data Science in Agriculture” by Department of Physical Sciences and Information Technology, AEC&RI, Tamil Nadu Agricultural University, Coimbatore from 20<sup>th</sup> to 25<sup>th</sup> November, 2023.
2. Attended National Webinar on “Applications of AI and ML in Agricultural Engineering – Unleashing the potential for Food Security” organized by Dr. NTR College of

- Agricultural Engineering under Institutional Development Plan (IDP) of National Agricultural Higher Education Project, ICAR, New Delhi from 04.09.2023 to 05.09.2023.
3. Attended Webinar on “Get Motivated and Raise Your Confidence” organized by NDLI Club of Saveetha Engineering College, on 01.09.2023.
  4. Attended three weeks DST sponsored online “WOMEN ENTREPRENEURSHIP DEVELOPMENT PROGRAMME” organized by Department of Electronics and Communication Engineering, Rajalakshmi Institute of Technology, Chennai from 14.08.2023 to 04.09.2023.
  5. Attended Seminar on “An Insight on Journal References by Mendeley Tool” organized by NDLI Club of Saveetha Engineering College, on 17.08.2023.
  6. Attended one days Workshop on “fruits and vegetable processing” organized by College of Food and Dairy Technology, on 02.06.2023.
  7. Attended National Webinar on “Sustainable and Smart Agriculture” organized by MCAET, Ambedkar Nagar, U.P on 06th April 2023.
  8. Completed five days FDP on “societal Advances in wireless systems and emerging technologies” organized by Saveetha Engineering college from 23/01/2023 to 28/01/2023.
  9. Attended Five days workshop on “Writing business plan and Proposal” Organized by Saveetha Innovation and Incubation start-ups cell on 21.11.22 to 28.11.22
  10. Attended Webinar on “Evolution of Smart Agricultural systems” organized by ICAR Research complex, Patna on 20.05.2022.
  11. Attended National Webinar on “Crop Residue Management Mechanization” organized by ICAR-Bioconversion Technology Centre, Sri Parasakthi College for Women, Courtallam on 04.04.2022.
  12. Completed a short term course on “Educating the Millennials” organized by Saveetha Teaching and learning center from February 2022 to April 2022
  13. Attended one day “Mentorship Training Programm” organized by Saveetha medical college and hospital on 14.12.2021.
  14. Attended five days FDP on “Biomass to fuels, Chemicals and Value added Products for sustainable Energy and Environmental Future” by National Institute of Technology, Trichy and AICTE from 20.12.2021 to 24.12.2021.
  15. Attended five days FDP on “Green Technology and Sustainability Engineering” by Kolhapur Institute of Technology’s College of Engineering and AICTE from 25 to 29 November 2021.
  16. Attended Webinar on “Use of solar energy and information technology in agriculture” organized by ICAR Research complex, Patna on 20.11.2021.

17. One week short term training program on Power Electronic Application for Smart Grid, Electric Vehicles and Renewable Energy held from 17th to 22nd November 2020 organized by department of electrical engineering, sponsored by AICTE under AQIS 2019-2020.
18. Completed Twelve weeks online course on “Solar Energy Engineering and Technology” by National Programme on Technology Enhanced Learning (NPTEL).
19. Completed the Four weeks online course on “Selection of Nanomaterials for Energy Harvesting and Storage Application” by National Programme on Technology Enhanced Learning (NPTEL).
20. Participated in National level competition Solar Decathlon India 2020. Project is to attain Net Zero Energy and Net Zero Water for a particular building. One of 6 finalists among 75 teams, Competed in the division of Multi-family housing.
21. Attended 3rd INDO SWISS Building Energy Efficient Camp sponsored by Bureau of Energy Efficiency and Swiss Agency for Development and Cooperation which was held Fifteen days in December
22. Attended One week training at ESCORTS training and development center on “Summer Internship on Tractors”, Bangalore
23. Attended One week implant training in “AAVIN dairy plant” in Ambattur
24. Attended One Month “training program” in Escorts crop care solution, Chennai.
25. Attended Fifteen days training in Bull machines pvt. ltd, Coimbatore.