

FACULTY PROFILE



Dr. Lakshmi E Jayachandran

Assistant Professor

PhD (IIT Kharagpur)

Food Process Engineering

Contact details



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Dr. Lakshmi E Jayachandran has joined as an Assistant Professor (Food Technology) under the Faculty of Fisheries Engineering, KUFOS, Panangad. She completed her PhD and M.Tech in Food Process Engineering from Indian Institute of Technology Kharagpur.

Prior to joining KUFOS, she had worked as a training coordinator under PMFME scheme, Kerala Agricultural University, Mannuthy. She has also worked as a guest lecturer at the Department of Food Engineering and Technology, Institute of Chemical Technology (UDCT) Mumbai for more than one year. She has to her credit more than 20 journal publications, book chapters and conference proceedings on different aspects of food processing.

Dr. Lakshmi was also a recipient of the prestigious Nava-Kerala Post Doctoral Fellowship 2023 and the DST International Travel Grant 2017. Dr. Jayachandran also received the Young Scientist Award conferred by the International Working Conference on Stored Product Protection 2018, Berlin for the work done as a part of her PhD dissertation.

Her research interests include advanced thermal and non-thermal processing technologies for fruits and vegetables, food grain storage and computational approaches in food processing sector. Dr. Jayachandran has explicitly worked on juice formulations, product and process development, sensory studies and heat-mass transfer analysis.

Teaching:

- ❖ Fundamentals of Food Processing
- ❖ Food Storage Engineering
- ❖ Food Chemistry of Macronutrients
- ❖ Process Technology of Dairy Products

Research Areas:

- Non thermal processing of Food
- Food Storage Engineering
- Food Packaging

Key Management Roles:

- Faculty (i/c) Centre of Excellence in Food Processing and Packaging Technology, KUFOS
- Head of the Department (i/c) Department of Food Process Technology, FFE, KUFOS

Publications:

- Google scholar link: <https://scholar.google.com/citations?user=MA81uU0AAAAJ&hl=en&oi=ao>

Awards & Achievements:

- Recipient of Chief Minister's Nava Kerala Postdoc Fellowship 2023 (Discontinued for job)
- Young Scientist Award for best paper presentation at IWCSPP 2018, Berlin, Germany.
- International Travel Grant from the Department of Science and Technology (DST), Government of India in the year 2017
- Qualified National Eligibility Test (ICAR) 2017 with 59.2% marks in Agricultural Process Engineering
- Secured AIR 42 in Graduate Aptitude Test in Engineering (Agrl. Engineering) 2012
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Ongoing Projects: Nil

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