

## BIODATA

### Dr. Vithu Prabha

Assistant Professor

Department of Processing & Food Engineering

Kelappaji College of Agricultural Engineering & Food Technology

Kerala Agricultural University, Tavanur, Malappuram – 679573, Kerala, India

**Additional Duty:** Assistant Research Engineer, AICRP on Post-Harvest Engineering & Technology (ICAR)

Email: vithu.prabha@kau.in | Mobile: +91-9496108185

ORCID: [0000-0002-9808-5000](https://orcid.org/0000-0002-9808-5000)

## ACADEMIC QUALIFICATIONS

- Ph.D. (Agricultural Engineering – Agricultural Processing & Food Engineering), Odisha University of Agriculture & Technology, 2019 – CSIR-SRF Awardee; ICAR AICE-SRF (All India Rank 6)
- M.Tech. (Food Process Engineering), NIFTEM-T (Formerly IIFPT), 2016
- B.Tech. (Agricultural Engineering), Kerala Agricultural University, 2014 – 3rd Rank Holder

## RESEARCH INTERESTS

- Post-harvest processing & value addition of agricultural and horticultural crops
- Non-destructive quality evaluation of food products
- Emerging non-thermal food processing technologies (cold plasma, pulsed light, ozone, RF heating)
- Food packaging and storage technology

## PROFESSIONAL EXPERIENCE

- Assistant Professor, Dept. of Processing & Food Engineering, KCAET, Kerala Agricultural University (Current)
- Assistant Research Engineer, AICRP on Post-Harvest Engineering & Technology (ICAR)
- Training Coordinator, PMFME Scheme, KAU Agri Business Incubator – Coordinated 44 on-site training programs across 14 districts (2023–24)
- Research Associate, NAHEP-CAAST Project on “Knowledge & Skill Development on Coconut-Based Secondary Agriculture”

## PUBLICATIONS

- Scopus Indexed Journal Articles: 10+
- Book Chapters: 2
- NAAS Rated Papers: 2
- Popular Science Articles: 15+

### Selected publications:

Koorikkattu, A.E., Vithu, P., et al. (2025). Synergistic Effect of Chlorination and Ozonation on Residual Pesticides in Cowpea. *Ozone: Science & Engineering*, IF 2.1

Vithu, P., Dash, S. K., Rayaguru, K., Panda, M. K., & Nedunchezhiyan, M. (2020). Optimization of starch isolation process for sweet potato and characterization of the prepared starch. *Journal of Food Measurement and Characterization*, IF 3.3

Vithu, P., Dash, S.K., Rayaguru, K., et al. (2018). Post-harvest processing & utilization of sweet potato: a review. *Food Reviews International*, IF 5.3

Vithu, P. & Moses, J.A. (2016). Machine vision system for food grain quality evaluation: a review. Trends in Food Science & Technology, IF 15.51

## **RESEARCH GUIDANCE/ MENTORSHIP**

Guided/co-guided: 1 B.Tech. (Agri. Engg.), 1 M.Tech. (PFE), 2+ M.Sc. (Food Quality), 1 M.Tech. (Food Technology) projects

## **REVIEWER FOR INTERNATIONAL & NATIONAL JOURNALS**

Reviewer history: 10+

- Food Control (Elsevier, IF 6.3)
- Food & Bioprocess Technology (Springer, IF 5.8)
- Agriculture (MDPI, IF 3.6)
- Journal of Food Measurement & Characterization (Springer, IF 3.3)
- Food Chemistry Advances (Elsevier, IF 5.9)

## **INVITED TALKS**

Invited talks: 5+

- “Food Packaging: Various Technologies and New Trends” – DIC, Alappuzha (2024)
- “Entrepreneurial Opportunities in Food Processing” – DIC, Pathanamthitta (2021)
- “Quality Packaging – Importance and Opportunities in Agribusiness” – Centre for Gender Studies in Agriculture, KAU (2021)