



Dr. RADHALAKSHMI. V, Ph.D.

Assistant Professor on contract at Mahatma
Gandhi University Kottayam

CAREER OBJECTIVE

To build a career in a premier institution tackling the dynamic challenges in the current professional environment. To continuously upgrade my self-competitiveness in an innovative working ambience offering job satisfaction through personal and professional improvement.

GET IN TOUCH WITH ME

Mob : 9447178795, 8921201945
Email : radhalakshmivgn@gmail.com

PUBLICATIONS

1. Physico-chemical characterization of betel leaf and its effect on oxidative stability and shelf-life of coconut oil (Research article) in the journal Food Bioscience (January 2023)
2. Development of active packaging film based on poly (lactic acid) incorporated with *Piper betel leaf* ethanolic extract and its application in the shelf-life extension of tuna meat (Research article) in the journal International Journal of Biological Macromolecules (July 2023)

PREVIOUS EDUCATION

KERALA UNIVERSITY OF FISHERIES AND OCEAN STUDIES. PANANGAD, KOCHI

Ph.D

- Dept. of Food Science And Technology
- Year of completion: 2024

KERALA UNIVERSITY OF FISHERIES AND OCEAN STUDIES. PANANGAD, KOCHI

MSc in Food Science And Technology

- University : KUFOS
- Year of passing : 2019
- OGPA : 8.58

ST. GEORGE'S COLLEGE, ARUVITHURA

BSc in Food Science And Quality Control

- University : Mahatma Gandhi University, Kottayam
- Year of passing : 2017
- CCPA : 8.57

GOVT GIRLS HIGHER SECONDARY SCHOOL

- *Kerala HSE*
- Physics, Chemistry, Biology Science
- Year of passing : 2014
- percentage : 86 %

GOVT GIRLS HIGHER SECONDARY SCHOOL

- *SSLC*
- Year of passing : 2012
- Percentage : 98.8 %

PUBLICATIONS

3. Phytochemical profiles, potent antioxidant and antimicrobial activities of betel leaf extracts (Piper betel, Salem cultivar) in Journal of Herbs, Spices and Medicinal Plants (2023).

4. Protective benefits of ethyl alcohol extracts of *Piper betel* L. to prevent colon carcinogenesis in the journal Pharmacological Research-Natural Products (2024).

5. Food Safety- An Exceedingly Important Concern in Fisheries Sector in The Food Tech Times-Cochin chapter. Quarterly Newsletter. (January-March 2022)

TRAININGS AND WORKSHOPS

- Participated in the workshop on 'Common Spectroscopic Techniques and Data Analysis' under the scheme of Synergistic Training Program Utilizing the Scientific and Technological Infrastructure (STUTI)- An Initiative by Department of Science and Technology (DST), Govt. of India organized by department of Chemistry, Christian College, Chengannur in collaboration with Jamia Hamdard (Deemed to be University), New Delhi
- Participated in the training program on 'Data Analysis Using "R" Software' organized by Centre for e-Learning in collaboration with Dept. of Agricultural Statistics, College of Agriculture, Vellanikkara, Kerala Agricultural University, Thrissur
- Participated in the International workshop on Basic Statistical Analysis and its Interpretation Using SPSS organized by Global Institute of Statistical Solutions (GISS).

EXPERIENCES

-INPLANT TRAINEE

MALABAR REGIONAL CO-OPERATIVE MILK PRODUCERS UNION LIMITED- WAYANAD DAIRY, KALPETTA

Processing and physical, chemical and microbiological analysis of milk and milk products

-INPLANT TRAINEE

FEBIN MARINE FOODS, ERAMALLOOR

Physical and microbiological analysis of water and proximate analysis of fishes

-PROJECT TRAINEE

KAIRA DISTRICT CO-OPERATIVE MILK PRODUCERS UNION LIMITED DAMUL DAIRY, ANAND

Comparative studies of various standards on different types of milk products along with processing and analyses of milk and milk products

-INPLANT TRAINEE

CENTRAL INSTITUTE OF FISHERIES TECHNOLOGY-ICAR, COCHIN

Preparation of fishery products , packaging techniques along with analytical procedures.

ACHEIVEMENTS

-ASRB NET Qualified.

-Second best oral presentation for the paper entitled 'Phytochemical characterization, antioxidant and antimicrobial properties of methanolic extracts of betel leaf (Piper betel)' at the International Conference on Advances in Agriculture and Food System Towards Sustainable Development Goals (AAFS-2022) held at University of Agricultural Sciences, Bangalore on 22-24 August 2022.

-Third best oral presentation in the 2 days' workshop on 'Probiotics in aging', (2023) on the topic 'Role of bioactive components of medicinal plants and its mechanism of action in the prevention and treatment of cancer', conducted by PAi & KUFOS-Kochi on 3-4 May 2023

PRESENTATIONS

- V. Radhalakshmi, Minnu Rose Joy & Maya Raman (2021). Proximate composition and antioxidant activity of ethanolic extract of two varieties of Piper betel. International Science Symposium-2021, Christ College-Rajkot, 8th -9th April, 2021 (Oral Presentation)
- V. Radhalakshmi, Minnu Rose Joy & Maya Raman (2022). Phytochemical analysis and antioxidant activity of Piper betel, Nadan cultivar. 28th Indian Convention of Food Scientists and Technologists (IcFOST)-2022, AFSTI-Aurangabad, 20-22nd January, 2022 (Poster)
- V. Radhalakshmi, Maya Raman & Minnu Rose Joy (2022). Phytochemical Characterization, antioxidant and antimicrobial properties of methanolic extract of betel leaf (Piper betel). International Conference on Advances in Agriculture and Food System Towards Sustainable Development Goals-2022, AIASA, ICAR & UAS Bangalore, 22-24 August, 2022. Pp-520. (Oral presentation)
- V. Radhalakshmi, Maya Raman & Minnu Rose Joy (2023). Development and characterization of edible packaging films incorporated with yam and Colocasia extracts. 29th Indian Convention of Food Scientists and Technologists (ICFoST)-2023, AFSTI-Kollam & Cochin chapters, 5-7 January, 2023 (Poster)

AREAS OF INTEREST

- Research and Development
- Teaching in technical and non-technical areas
- Technical project planning and execution
- Creative content writing and Social Media management

KEY SKILLS

- Good communication and interpersonal skills capable of maintaining strong relationships
- Team management and Leadership qualities
- Tolerant and flexible to different situations
- Self-motivated
- A good team player and has team handling capability.

PERSONAL DETAILS

Age & Date of Birth : 26, 20/06/1997
Gender : Female
Nationality : Indian
Father's Name : N.Venugopal
Languages Known : English, Hindi, Malayalam
Address : Lakshmi mandiram
Arunapuram PO.
Pala, Kottayam Dst
Kerala - 686574

PRESENTATIONS

- V. Radhalakshmi, Maya Raman & Minnu Rose Joy (2023). Role of bioactive components of medicinal plants and its mechanism of action in the prevention and treatment of cancer. Two days' workshop on 'Probiotics in aging', PAi & KUFOS-Kochi, 3-4 May (Oral Presentation)
- Minnu Rose Joy, Maya Raman & Radhalakshmi. V (2022).Antioxidant activity of seaweed extracts of kappaphycus alvarezii and sargassum tenuiramosa. 28th Indian Convention of Food Scientists and Technologists (IcFOST)-2022, AFSTI- Aurangabad, 20-22nd January, 2022 (Poster)
- Minnu Rose Joy, Maya Raman & Radhalakshmi. V (2022). Characterization of phytochemicals and pigments in different extracts of red seaweed, Gracilaria corticata, and their antioxidant and antimicrobial properties. International Conference on Advances in Agriculture and Food System Towards Sustainable Development Goals-2022, AIASA, ICAR & UAS Bangalore, 22-24 August, 2022. (Poster presentation)
- Minnu Rose Joy, Maya Raman & Radhalakshmi. V (2023). Extraction and characterization of marine macroalgal pigments in different solvents. 29th Indian Convention of Food Scientists and Technologists (ICFoST)-2023, AFSTI-Kollam & Cochin chapters, 5-7 January, 2023 (Poster)

PRESENTATIONS

- V. Radhalakshmi, Maya Raman & Minnu Rose Joy (2024). Seaweeds as an alternate source for packaging. International Fisheries Congress and Expo, 2024, KUFOS-Kochi, 12-14 January (Poster Presentation)
- Minnu Rose Joy, Maya Raman & Radhalakshmi. V (2024). Seaweeds in baked and farinaceous foods. International Fisheries Congress and Expo, 2024, KUFOS-Kochi, 12-14 January (Poster Presentation)