

## PROFILE DETAILS

Dr. Sheeja K. M.  
Assistant Professor (Contract),  
School of Environmental Studies,  
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## ACADEMIC BACKGROUND

- ❖ Ph. D. in Environmental Science (2024), Division of Environmental Science, Department of Botany, University of Calicut, Malappuram, Kerala, India

Title: *Surveillance of groundwater quality in relation to geochemistry in selected districts of Kerala, with special reference to Fluoride and Arsenic contamination.*

- ❖ M Phil Environment Management (2006), School of Environmental Sciences, Mahatma Gandhi University, Kerala, India
- ❖ M Sc Environment Sciences (2005) Bishop Heber College, Bharathidasan University, Tiruchirapalli, Tamil Nadu, India.
- ❖ B. Sc Environment and Water Management (2003), Sree Narayana College, Alathur, Calicut University, Kerala, India.

## AWARDS AND RECOGNITIONS

- ❖ UGC - National Eligibility Test in Environmental Science (June, 2009)
- ❖ Best project & analytical skill Award during Post Graduation in Environmental Sciences, Bishop Heber College, Trichy, Tamil Nadu (2004-2005).
- ❖ 3rd rank holder during B.Sc. Environment and Water Management – Calicut University, 2003.

## PROFESSIONAL EXPERIENCE

- ❖ **Assistant Professor**, Department of Environmental Science, University of Calicut  
June 2023 to September 2024

- ❖ **Guest Lecturer**, Department of Environment and Water Management, S. N. College, Alathur June 2019 to March 2020
- ❖ **Assistant Professor**, Department of Environmental Studies, Malayalam University, Tirur, Kerala September 2014 to August 2016
- ❖ **Project Scientist** Kerala State Land Use Board, December 2012 to September 2014
- ❖ **Guest Lecturer**, Department of Environment and Water Management, S.N. College, Alathur, Palakkad, Kerala 2007-2009.

## PUBLICATIONS

- ❖ **K. M. Sheeja** & C. C. Harilal (2022). Spatial distribution and seasonal variation of heavy metal contaminants and pollution indices in a coastal landmass of Kerala, peninsular India, **Chemistry and Ecology**, Taylor & Francis DOI: 10.1080/02757540.2022.2036729 **IF – 2.24**
- ❖ **K. M. Sheeja** & C. C. Harilal (2021). Ionic flux and geological release of fluoride in groundwater sources of a semi-arid tropical region in south India, **International Journal of Environmental Analytical Chemistry**, Taylor & Francis DOI: 10.1080/03067319.2021.1901281 ISSN: 1029-0397 **IF – 2.83**
- ❖ **Sheeja K. M.** (2016). *Role of NGO in empowering women through skill development – A case study in integrated rural technology center, Mundur, Palakkad, Kerala.* A book chapter in Rethinking Skill Development and Women Empowerment. ISBN: 978-81927970-5-2.
- ❖ Abhirosh, C., **Sheeja, K. M.**, Hatha, A. A. M., Sherin, V., & Thomas, A. P. (2009). Role of Biological Factors on the Survival of Escherichia coli, Salmonella paratyphi and Vibrio parahaemolyticus in a Tropical Estuary, India. **Water** 1- 76-84. ISSN: 2073-4441 **IF – 3.10**
- ❖ Chandran, A., A.A, M. H., Varghese, S., & **Sheeja, K. M.** (2008). Prevalence of multiple drug resistant Escherichia coli serotypes in a tropical estuary, India. **Microbes and environments**, 23(2), 153-158. **IF – 2.912**

- ❖ Hatha, A. A. M., Abhirosh, C., Sherin, V., & Sheeja, K. M. (2007). Multiple antibiotic resistance profiles of various *Escherichia coli* serotypes isolated from Cochin Estuary. **J Mar Atmos Res.** Vol. 3(2), 18-28.
- ❖ A Alagappa Moses & K. M. Sheeja (2004). *Biodegradable Plastic -A new wave of alternative for non -biodegradable plastics*, A book chapter in *Social Problems in India- Perspectives for Intervention*. Vol.1, Pg.511. Allied Publishers. ISBN: 81-7764-708-3.

## PAPERS PRESENTED

- ❖ Sheeja K. M. & C.C. Harilal (2020). *Variation in groundwater with respect to changing monsoonal patterns in Malappuram and Palakkad district of Kerala*, UGC sponsored national seminar on Role of community in water conservation –A milestone towards sustainable development conducted by the Centre for Futures Studies, The Gandhigram Rural Institute – Deemed to be University on 6 th and 7 th Feb-2020, Annamalai University.
- ❖ Sheeja K. M. & C.C. Harilal (2019). *A surveillance of Fluoride contamination in the groundwater sources of Palakkad District, Kerala*, International conference on recent innovations in bio-sustainability and Environmental Research-2019 conducted by the Department of Zoology, Annamalai University.
- ❖ Sheeja K. M. & C.C. Harilal (2018). *Seasonal changes in the groundwater table of Malappuram and Palakkad districts of Kerala with respect to Changing Monsoonal Patterns*, National seminar on ‘Recent Trends in Climate Change and Carbon Research’, organized by the Department of Botany, the University of Calicut from 26-28 February 2018.
- ❖ Sheeja K. M. (2016). *Role of NGO in empowering women through skill development – A case study in Integrated Rural Technology Center, Mundur, Palakkad, Kerala*, Two days National Seminar on held on 1st and 2nd July 2016, at EMMRC, Manasagangothri, University of Mysore, Mysore, Karnataka.
- ❖ Sheeja K. M., Abhirosh C., Mohamed Hatha A. A (2007). *The relative role of autochthonous bacteria and Protozoan predation on the removal kinetics of the Escherichia coli and Vibrio parahaemolyticus in Kumarakom Estuary (2007)*. Extended abstracts in 19th Kerala Science Congress, sponsored by Kerala State Council for Science, Technology & Environment.
- ❖ Sheeja K. M & A. Alagappa Moses (2004). *Eco-Friendly Plastics- A New Wave Alternative for Non – Biodegradable Plastics*. UGC sponsored National Multi-disciplinary Conference Organized by Department of MSW, Bishop Heber College, Tiruchirapalli, on *Social Problems in India: Perspective for Intervention*.

## **SKILLS**

- ❖ Environmental Impact Assessment, Microbiological Assessments
- ❖ GIS Mapping in Arc Map, and QGIS software
- ❖ Data analysis
- ❖ Analytical skills in environmental samples using sophisticated instrumental facilities such as GC/MS, AAS, ICPMS, XRD, and XRF.