

# Rakhi K Raj

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## Objective

I am an Environmental Scientist, passionate about teaching and research. I am seeking a role as an academician in Environmental Science to share my knowledge and passion with students. I aim to create engaging learning experiences, conduct meaningful research, and help students to develop skills to tackle environmental issues. My goal is to make a positive impact on both students and the environment.

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## Experience

- Sree Narayana Guru Open University** January 2022 - Till date  
Academic Counselor Environmental Studies
- Kerala University for Fisheries and Ocean Studies** November 2018 - Till date  
PhD Scholar  
Topic: Status of air quality in the most polluted cities in Kerala, India, and its impact on health aspects
- ICAR-Central Tuber Crops Research Institute, Sreekrishna** April 2015 - March 2017  
Senior Research Fellow
- IIITM-K, Trivandrum** May 2012 - June 2014  
Project Associate

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## Education

- IIITM-K, Trivandrum, CUSAT** 2011  
Mphil Ecological Informatics
- Sree Sankara College, Kalady/MG University** 2010  
MSc. Environmental Science and Management
- Sree Sankara College, Kalady/ MG university** 2007  
BSc. Chemistry

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## Achievements & Awards

- First Rank in MSc Environmental Science and Management-2010 from M G University
- Qualified UGC NET for Assistant Professor and Junior Research Fellowship held on 10th July 2016
- The best poster presentation award (focal theme-Aerosol and Air quality) in the International conference on Frontiers in Marine Sciences-MARICON 2024

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## Publications

- Suja, G., Gangadharan, B., Swayamvaran, V. S., Amma Sunitha, S., Varadharajan, R., Lintu Maria, C., & Raj, R. K. (2023). Organic management is a viable alternative for arrowroot (*Maranta arundinacea* L.). *Biological Agriculture & Horticulture*. <https://doi.org/10.1080/01448765.2023.2253778>
- Suja, G., Subramanian, P., Surekha, R., Jaganathan, D., Maria, C., & Raj, R. (2022). Organic management for yams (*Dioscorea* spp.) intercropped in coconut (*Cocos nucifera*) plantation: Evidences from a validation trial in the coastal humid tropics of Kerala, India. *The Indian Journal of Agricultural Sciences*. <https://doi.org/10.56093/ijas.v92i8.98705>
- Raj, Rakhi. K., Bindu, G., Anju Farhana, C., & Hari Laxmanan, P. (2022). A study on the health impacts of particulate matter pollution due to demolition of high-rise buildings, Maradu- Kochi. *International*

- Bindu, G., Raj, R. K., Baiju, M. A., & Anju Farhana, C. (2021). The Impact of a Building Implosion on Ambient Air Quality: A Case Study in an Urban Coastal City. *Journal of Earth and Environmental Science Research*. [https://doi.org/10.47363/JEESR/2021\(3\)142](https://doi.org/10.47363/JEESR/2021(3)142)
- Girija Suja, J., Sreekumar, J., Byju, G., Veena, S. S., Sunitha, S. A., Ramesh, V., Lintu Maria, C., & Raj, R. K. (2021). Organic management of Chinese potato: growth, yield, quality, soil health, and economics. *International Journal of Vegetable Science*. <https://doi.org/10.1080/19315260.2021.1907829>
- Ramachandra, T. V., Raj, R. K., & Aithal, B. H. (2019). Valuation of Aghanashini Estuarine Ecosystem Goods and Services. *Journal of Biodiversity*, 10(1,2), 45-58. DOI: 10.31901/24566543.2019/10.1-2.093
- Sooraj, N. P., Raj, R. K., & Jaishanker, R. (2013). Micro level land cover dynamics: A study of land cover change within a planned Developmental Site. *International Journal of Technological Advancements and Emerging Engineering*, 3(12), 155-158.
- Technical report: Integrated Ecological Carrying Capacity of Uttara Kannada District, Karnataka 2014
- Technical report: Valuation of Estuarine ecosystem, Uttara Kannada district, Karnataka 2013
- Conference paper: Organic Management of Chinese potato (*Plectranthus rotundifolius*): Safe and Sustainable alternative: National Conference on Tropical Tuber Crops for the Sustenance and Welfare of Tribal Communities 2016 at ICAR-CTCRI, Thiruvananthapuram
- Conference paper: Land use and land cover dynamics within Technopark campus, Trivandrum, Kerala, India: Applied Geoinformatics for Society and Environment AGSE 2013 at Ahmedabad