ACHU KURIAKOSE

CAREER OBJECTIVE

Dedicated and accomplished researcher seeking a challenging position to contribute to cutting-edge scientific advancements and make a significant impact in the field. With a strong background in chemistry, environmental science, disaster management and marine science, I aim to leverage my expertise and passion for knowledge discovery to drive innovative research projects on environmental issues (pollutants) and provide valuable insights to address complex problems.

ACADEMIC PROFILE

- Short Term Course in Geo Information Science and Technology
  2022-2023
  Dr. R. Satheesh Centre for Remote Sensing and GIS School of Environmental Sciences, MG University, Kottayam [(An Indian Organization (ISRO)sponsored Centre under the National Natural Research Management System (NNRMS-SC-T)]

- M.Phil. – (Marine Science and Technology)
  2021 - 2022
  Dept. of Aquatic Biology & Fisheries

- M.Sc. Environmental Sciences and Disaster Management – 7.71 (C.G.P.A)
  2018 – 2020
  Mahatma Gandhi University, Kottayam.

- B Sc. Chemistry –7.57 (C.G.P.A)
  2014 – 2017
  Mahatma Gandhi University, Kottayam.

- XII –Higher Secondary Examination – 85.6%
  2013
  St. Mary's Higher Secondary School, Kottayam

- X - Central Board of Secondary Education – 94%
  2011
  St. Sebastian's Public School, Kottayam

PROJECTS

- Flood mapping and damage assessment of Assam using multi-temporal Sentinel-1 SAR images.

- Internship at National Institute of Disaster Management (1/3/2020 – 1/9/2020)

- Public perception for landslide preparedness at emerging tourist destinations in the light of COVID–19, for partial fulfilment of M.Sc. Degree.

- Biofuel from waste residues, from the farmers to the farmers- A sustainable approach, for partial fulfilment of B.Sc. Degree.

KEY SKILLS AND QUALIFICATIONS

- Hands-on experience in instrumentation techniques and laboratory techniques such as Nitrogen Analyzer, MS, GC-MS, LC-MS, ICP-MS, and Raman Spectroscopy from Mahatma Gandhi University, Kerala, India.
- Extensive experience in conducting independent research, including designing experiments, collecting and analyzing data, and interpreting results.
- Proficient in utilizing research methodologies and techniques, such as MS, GC-MS, LC-MS, ICP-MS, and Raman Spectroscopy relevant to analytical studies of environmental pollutants and microplastic analysis.
- Excellent analytical and critical thinking skills, allowing for the identification of patterns, trends, and relationships within complex data sets.
- Strong written and verbal communication abilities, demonstrated through conference presentation, and collaborations with interdisciplinary teams.
- Proven ability to work both independently and collaboratively, fostering a cooperative and productive research environment.

TECHNICAL SKILS

- GIS Software's (Arcgis, QGIS)
- ERDAS Software
- DSAS Software
- LIDAR Technology

REFERENCE

- DR BAIJU. K. R
  Associate Professor and Director
  School of Environmental Sciences Mahatma Gandhi University, Kottayam