

Name : **RESHMA S.R**

Residential Address : Kadayara veedu, Mangalathukonam,
Kattachalkuzhi P.O, Balaramapuram
Thiruvananthapuram, Kerala. 695501

Date of birth : 07/07/1994

Father's name : SISUPALAN M.N

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Email id : reshmarema27@gmail.com

Languages known : Malayalam, English, Hindi, Tamil.

Nationality : Indian



Educational qualifications

Name of the degree	University/Institution	Mark (%)	Remarks	Year
Ph.D in Geology	Central University of Karnataka.	80.6 %	Distinction	2024
PG Diploma in Geo Information Science and Technology	University of Kerala	76%	First Class	2019
M.Sc. Geology	Central University of Karnataka.	80 %	Distinction	2017
B.Sc. Geology	University of Kerala, S N College Chempazhanthi	76 %	Distinction	2015
I.S.C	Council for the Indian School Certificate Examinations	60%	First Class	2012
I.C.S.E	Council for the Indian School Certificate Examinations	70%	First Class	2010

Career Objective

- Seeking a position as a faculty in a reputed organization where my professional and personal skills can be utilized by a progressive and innovative institution to achieve their goals which in turn enhance my career growth as well.

Work Experience:

- Worked as a GIS Specialist in the Kerala State Pollution Control Board, Thiruvananthapuram from 25.03.2019 to 07.08.2019.
- Worked as Junior Hydrogeologist in Space Geo Tech Bangalore from 20/06/2024 to 31/12/2024.

- Worked as Guest Faculty in Geology at Department of Geography, Government Arts & Science College Kulathoor, Neyyatinkara from 08/01/2025 to 31/03/2025

Research Experience:

- Current research focuses on microplastic contamination studies in the lacustrine environment (2019 to Present)
- Carried out dissertation work on “Environmental Magnetic Properties of Soils from Different Environmental Settings in Kalaburagi District, Karnataka.” at MIT, Manipal in collaboration with Mangalore University as part of MSc curriculum (04.01.2017 to 13.04.2017).
- Carried out internship on “Late Quaternary Magnetic Susceptibility Variations from Lacustrine Sediments of Larsemann Hills, East Antarctica.” at ESSO-NCAOR Goa (May to June).
- Completed project on “Flash Flood Risk Assessment and Mapping: A Comparative Study using AHP method and Weighted overlay method of Mamom River Basin using GIS at IUCGIST, Kariavattom campus.
- Completed project (BSc) on “Water Quality Parameters of Selected Dug Wells in Kadakkavur Panchayath” at S N College Chempazhanthy.

Research Publications

- Vishnu Unnikrishnan, Gokul Valsan, K Amrutha, Joju George Sebastian, Nelson Rangel-Buitrago, Rizwan Khaleel, Thara Chandran, **S.R Reshma**, and Anish Kumar Warriar (2023). A baseline study of microplastic pollution in Southern Indian Estuary, Marine pollution bulletin.
- **Reshma S R**, M A Mohammed Aslam and Pranav Prakash (2023), Land Use Land Cover (LULC) and Water Quality Assessment in Akkulam-Veli Lake Basin, Thiruvananthapuram, Kerala: A post covid-19 Scenario - Communicated with journal of Applied Geochemistry and it is under review.
- Ashila Babu P, M. A. Mohammed-Aslam and **Reshma S. R** (2020). Identifications and Environmental Implications of Mangrove Ecosystem: A Brief Review. Multidisciplinary Perspectives on Health, Society, Environment & Sustainable Development. ISSN: 2229-4929.
- Flash Flood Risk Assessment and Mapping using Weighted Overlay Method of Mamom river basin, Thiruvananthapuram, Kerala.
Reshma S R, Rajesh Reghunath, Ajaykumar, Vineetha P, Sharath Raj B, Pranav Prakash. 2021, Page No. 118-135, ISBN 978-81-8370-584-4, Published by Akansha publishing house, New Delhi.
- Groundwater Drought Index, Temporal NDVI and LST Comparisons of Raichur District, Karnataka, India: Insights to the Intensifying Drought.
Sharath Raj B, Mohammed-Aslam M A, Suresh S Dodamani, **Reshma S R**, Page. No. 105-117 ISBN 978-81-8370-584-4, Published by Akansha publishing house, New Delhi.

- Flash Flood Risk Assessment and Mapping Using AHP Method of Akkulam-Veli Lake Basin, Thiruvananthapuram, Kerala
Reshma S R and M A Mohammed-Aslam Page No. 257-274, ISBN 978-93-8041-953-4, Published in collaboration with the Department of Printing and Publishing, Mahatma Gandhi University, Kottaym, Kerala.
- Characterization of Geo-electrical Layers Using VES Data in the Basaltic Terrain at the Campus of Cenytal University of Karnataka, India.
M A Mohammed-Aslam, Anakha S.S, Colin J. Dia, Sharath Raj B, Syed Shams Rizvi, **Reshma S R** and M Aleem Pasha. Page No. 235-242, ISBN 978-93-91355-95-1, Published by Excel India Publishers, New Delhi.

Hand on Experience with Instruments

- Bartington magnetic susceptibility meter with MS2B sensor and ARM attachment
- Molspin Pulse Magnetiser
- GPS
- DGPS
- Total station
- Spectrophotometer
- Flame photometer
- VES analysis

Computer Knowledge/Software skills

- Arc GIS, ERDAS IMAGINE, QGIS, Sigma Plot and MS-Office, Photoshop.

Workshop/Seminar/Training programme attended

1. 6 Days of fieldwork training (01-02-2016 to 06-02-2016), at Geological Survey of India FTC Chitradurga, Karnataka.
2. 5 days fieldwork and sample collection at Tiruchirappalli, Ariyalloor, Salem, Sankar Nagar, Yercaud of Tamilnadu (2015).
3. 1 day field work at Varkala beach.
4. 2 days of KSTA conference (29.01.2016 to 30.01.2016), on “Energy, Climate Change and Environment.
5. 2 days National conference on “Reaching the unreached through Science & Technology.” At Mangalore University (8-9th September 2017).
6. 2 days National seminar at IUCGIST on GIS: Emerging Trends and Utilities (14-15th December 2017).

Other Qualifications

1. Completed Web Designing course from C-Dit.
2. Completed DCA course of C-Dit from Tandem Institute of Networking Technology.

REFERENCES:

- **Dr. M. A Mohammed-Aslam**
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School of Earth Sciences
Central University of Karnataka
Mobile: 9482338112
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- Dr. Anish K Warriar**
Asst. Prof. in Geology,
Dept. of Civil Engineering,
MIT, Mangalore.
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DECLARATION

I hereby solemnly declare that the above given information and particulars are true to best of my knowledge and belief.

Reshma S R