

SHIJITHA C  
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## Lecturer - Geology

An enthusiastic individual with over 10 years of rich experience as Geologist in Hydro laboratories, Assistant Professor/ Head of Geology Department of a reputed Arts & Science College. Looking for a career with an Industry pioneer to enhance and utilize the knowledge I have earned.

Industry Preference: Any (Research Organizations/ Laboratories, Universities, Colleges)

## EDUCATIONAL SUMMARY

- M.Sc. Applied Geology from Calicut University, MES Ponnani College, Ponnani
- B.Sc. Geology from Calicut University, MES Ponnani College, Ponnani
- Diploma course in Geoinformatics with Specialization in Spatial Planning from Centre for Environment and Development

## PROFILE SUMMARY

- Exceptional knowledge of hydrogeology and various geological processes
- Ability to integrate various hydrogeological activities for client processes
- Ability to perform risk assessment on land quality and water resources
- Hands on expertise in water quality analysis and monitoring
- An effective leader with end-to-end knowledge and strong analytical & problem-solving skills

## SKILL SET

Geotechnical Studies  
Environmental Geology  
Management

Hydrological Studies  
Leadership  
Interpersonal Skills

Mineral Observation  
Problem Solving  
Adaptability

## WORK EXPERIENCE

Company/ Institution: K. V. U. M. D. H. O. Arts and Science College, Pookkarathara, Kerala India

Position: Assistant Professor / Head of the department (BSc Geology)

Duration: Since August 2015

### Key Duties & Responsibilities

- Conducting lectures on Geoinformatics, Crystallography, Mineralogy, Stratigraphy, Geotectonics, Paleontology, Sedimentary & Metamorphic Petrology & Geo Exploration.
- Was responsible and accountable for setting and advancing the academic strategy of the Geology Department in line with College and University strategic plans and direction.
- Created opportunities for the student to participate in various Workshops and Seminars
- Incorporated and lead numerous site visits at various geologically important sites for the students to explore and experience
- Developed and sustained appropriate structures for management, consultation, decision-making and communication with staff and students
- Ensured the best possible student experience through the fulfilment of the College's responsibilities concerning students in respect of their admission, instruction, progress and examination
- Created a dynamic and forward looking research environment for both staff and students
- Created new opportunities for knowledge transfer to the students
- Ensured students are included as appropriate in the various decision making fora within the department
- Ensure a safe and healthy environment for both staff and students, and full compliance with health and safety requirements

Company/ Institution: Geo Max Water Quality Lab (Part time)

Position: Hydrogeologist

Duration: June 2016- April 2017

Company/ Institution: Kerala Land Use Board, Kerala India

Position: Project Assistant

Duration: June 2014- July 2015

Company/ Institution: Geo Doctors Water solutions Pvt. Ltd , Kerala India  
Position: Hydrogeologist  
Duration: March 2011-May 2014

#### Key Projects & Job Responsibilities

- Integrated Study of Bore Well Salinity Around Edappal, Malappuram Dist., Kerala
- Ground Water Quality Analysis Of Kuttippuram-Chugaramkulam Area Using Geographic Information System
- Field Mapping Programme- Geology of the area around Mattattukkad area, Palakkad Dist.
- Field studies, geological mapping and find the rock types seen in Mattattukkad area of Attapadi Valley, Palakkad Dist.
- Traverses along territories of Kerala, Precambrian terrains of Karnataka, Tamil Nadu, Andhra Pradesh and Kerala Khondalite belts
- Well Siting Survey, Using Aquameter, Jananidhi Project Palakkad Dist.
- Ensuring the technical content of all work carried out is correct and completed in accordance with agreed timescales and budgets.
- Involved in project delivery tasks including calculations, drawings, models, ground investigations, data interpretation and reporting
- Providing technical guidance, support and training to team mates
- Maintain client contact for project delivery and ensure that project delivery meets client objectives and requirements.
- Assisting team in preparation of proposals/bids as required, including development of scopes of work, methodologies, team structures, and estimating timescales and costs for proposed works.
- Providing technical input to a variety of projects covering all aspects of water resources hydrogeology and hydrology including borehole design and pumping test analysis, groundwater flow modelling, deployable output assessment and water resource planning, environmental assessment, catchment management and water quality assessment and modelling
- Performed lead role in undertaking field monitoring programmes and investigations which included supervision of drilling contractors and hydrogeological, hydrological and water quality monitoring
- Maintained knowledge of various rock types and their effect on groundwater.
- Conducted detailed analysis groundwater contamination.
- Prepared groundwater flow model on computer as per various geological formations.
- Collected and analyzed all information for various construction developments.
- Ensured compliance to all environmental regulations and procedures.
- Preparation of test reports

#### SEMINAR & WORKSHOPS ATTENDED

- National workshop on 'Statistical Sedimentology – Theory and practice'
- One-day workshop on 'Application of Isotopes in surface water and groundwater studies'
- Two-day National seminar on 'Environmental Degradation impact on Geosphere'
- One-day seminar on 'Research methodology and project formulation'
- One-day seminar on 'Water conservation with people's participation – Rainwater harvesting'
- Two-day National Seminar on 'Contemporary Trends and Applications in Geo Sciences' at Department of Geology University of Calicut

#### IT SKILLS

- Highly proficient in MS Office tools (Word, Excel & PowerPoint)

#### PERSONAL DETAILS

Nationality: Indian  
Date of Birth: 21 May 1987  
Permanent Address: Cheruvaikara House, Vattamkulam (P.O), Kuttipala, Kerala, India  
Languages Known: English, Malayalam,  
Driving License: Indian

#### REFERENCE

Mrs. Sreelatha  
Principal of K.V.U.M.D.H.O Arts and Science College, Pookkarathara  
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