

Vaishakam (H)
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Akhil Thulaseedharan Pillai.

GEOLOGIST / HYDROGEOLOGIST.

Present Address:

Assistant Professor
Department of Geography & Geology
Sree Narayana Guru College of Advanced
Studies (Affiliated to University of Kerala),
Nangiarkulangara, Harippad (P.O), Alappuzha
District, Kerala, India. 690 513.

Education:

Master of Science in Geology | 2014
Department of Geology, University of Kerala.
Kariyavattam Campus, Thiruvananthapuram
Kerala, India.

Bachelor of Science in Geology | 2012
Sree Narayana College, Sivagiri,
University of Kerala, Kerala, INDIA.

Software & IT skills:

Arc GIS, Capture (Rad 7- Durrige Radon
instrumentation package), ProSYS- imaging
software, Surfer, Syscal pro, ReS2DINV
Groundwater Modelling System (GMS-
AQUAVEO), ERDAS and Photoshop

Instrument knowledge:

DGPS, Particle Size Analyzer, RaD7 (Electronic
Radon Detector), Resistivity meter (SYSCAL Pro)
& ABEM Terrameter.

Passport Details:

Passport: M3802609
Date of Expiry: 23 November 2024

Personal Details:

Indian citizen, Male, Unmarried
DOB: 01, May 1992

Language Skills: English, Hindi, Tamil &
Malayalam

References:

Dr. K S Sajin Kumar

Assistant Professor
Department of Geology, University of Kerala.
Kariyavattam Campus, Trivandrum, Kerala,
India. 695 581.
Ph: +91-9495832220 (P).
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Dr. Biju John

Scientist III
National Institute of Rock Mechanics,
Champion Reefs (P.O), Kolar Gold Fields,
Karnataka, India.
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Professional Profile

- **Four-years** experience as Hydrogeologist (Researcher)/ Geologist in the R&D sectors in various Government Institutes.
- **Two-years** experience as Assistant Professor [Under Graduate (B.Sc.) degree level Teaching].
- Master's Degree in Geology, Excellent communication skill.
- Good knowledge in Geological, Geophysical & Hydrological systems.
- Strong proficiency in Electrical resistivity surveys, Radium-Radon radiometric surveys, well site construction (bore-wells), Geochemical-Sedimentology-Hydrological sampling.
- Sound knowledge and experience in DGPS survey, ArcGIS, ERDAS, and various image-processing softwares in Resistivity survey.

Work Experience

Sree Narayana Guru College of Advanced Studies (SNGCAS).

Nangiarkulangara, Alappuzha, Kerala, India.

Designation: Assistant Professor / June 2019 – Present.

National Centre for Earth Science Studies (NCESS).

Thiruvananthapuram, Kerala, India.

Designation: Project Assistant (II) / January 2018– May 2019.

National Centre for Earth Science Studies.

Thiruvananthapuram, Kerala, India.

Designation: GATE- Junior Research Fellow / June 2015– December 2017.

National Institute of Rock Mechanics (NIRM).

Kolar Gold Fields, Karnataka, India.

Designation: Project Scientist / March 2015– June 2015.

Awards & Achievements

- **Graduate Aptitude Test in Engineering - Junior Research Fellowship (GATE)- 2014**, Ministry of Human Resource Development, Government of India.
- **Kerala State Eligibility Test Student (SET)- 2015.** (Teaching Aptitude & Eligibility Test) Government of Kerala State, India.

Projects

- **Assessment of Submarine Groundwater Discharge from the Kozhikkode coastal segment, Kerala, SW India.**
- **Unravelling Submarine Groundwater Discharge (SGD) zones along the Indian subcontinent and its islands (Mission-SGD).**
- **Evaluation of lighthouse lineament related to Jaitapur Nuclear Powerplant through trench studies- Ratnagiri, Maharashtra.**

Other Achievements

- Volunteered Relief Operations in the aftermath of the Kerala Floods 2018.
- Participated National Seminar on Groundwater & Coastal Aquifers. 2016.
- College level Football player.
- Winner of various Track & Field Athletic events.

Research Publication

- George, M.E., **T. Akhil**, Remya R., Rafeeque, M. K., Suresh Babu, D.S., 2020. Submarine groundwater discharge from an urbanized coastal aquifer of the southwest coast, India. Groundwater for Sustainable Development. (Under review)
- George, M.E., **T. Akhil**, Remya R., Rafeeque, M. K., Suresh Babu, D.S., 2020. Submarine groundwater discharge and associated nutrient flux from southwest coast of India. *Mar. Pollut. Bull.* 162 (111767).
- George, M.E., Suresh Babu D. S., Rafeeque, M. K., **T. Akhil**, 2018. Investigation on Submarine Groundwater Discharge at Kozhikkode coastal aquifer, SW Western Ghats. *J. Geol. Soc. India.* 92, 626-633.
- Remya, R., Arun, N.R., **T. Akhil**, Suresh Babu, D.S., Ramachandran, K.K., 2018. Assessment of saltwater intrusion and role of sea-level rise (SLR) along the coast of Thiruvananthapuram district in Kerala, India; *Nature Environment and Pollution Technology journal* (Vol.17 (4) Dec 2018: Pp.1235-1242).

Conference Paper/ Poster

- Coastal Stability and Micro Morphology; Disturbances due to Human Interventions along West Coast of India (paper); **EGU General Assembly 2020**, Online, 4–8 May 2020.
- Shoreline Change From Holocene to Present and Trend Analysis (paper). *31st Annual Conference of the Indian Institute of Geomorphologists (IGI) & National seminar on Application of Geospatial Technology in Geomorphology & Environment*, November 2019, University of North Bengal, Darjeeling, West Bengal, India.
- Multi-proxy approach in understanding Submarine Groundwater Discharge (SGD) in the Tropical unconfined aquifers of SW coast of India. (Paper); *American Geophysical Union Fall meeting (AGU-2018)*, 10-14 December 2018, Washington DC, USA.
- Radon measurements in Kozhikkode coast, SW-India and its implications (Paper); *National conference on Sustainable Water and Environment (SWEM-2017)*, 21-23 December 2017, Hyderabad, India.
- Estimation of coastal inundation along Cochin coastal stretch using remote sensing and GIS (Poster); **OSICON-17 conference**, 28-30 August 2017, Thiruvananthapuram, India.

Workshops/ Training

- National Workshop on **"Implementation strategies for the Network Project on Submarine Groundwater Discharge (SGD)"** organized by National Centre for Earth Science Studies, Thiruvananthapuram Ministry of Earth Sciences.
- "Western Ghats: evolution and environmental issues"** conducted by National Centre for Earth Science Studies, Ministry of Earth Sciences
- "Marine Survey and Sampling Techniques, Coastal Research and development"** conducted by TRANSECT (a consortium of field geologists).

Declaration

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Thiruvananthapuram.
16 May 2021.

Akhil Thulaseedharan Pillai