

Faculty Profile



Name : *Mr.J. COLINS JOHNNY*
Designation : Assistant Professor
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Education:

B.E Civil Engineering (2005) Mohamed Sathak Engineering College, Keelakarai Anna University.

M.E (Geoinformatics) (2007) College of Engineering, Chennai, Anna University.

M.B.A (Systems) (2009) Distance Learning Education Madurai Kamaraj University.

Teaching and Research Experience

Worked as **System Engineer in Tata Consultancy** for 3 Years (30th July 2007 to 23rd August 2010)

Working as **Assistant Professor** in University VOC college of Engineering, Thoothukudi.

Research Interests/ Area of Research / Achievements in research/

Geoinformatics,
groundwater flow and contamination model,
Remote Sensing
Geographic Information System

Selected Publications(Journals / Books) – recent 5 publications

Isolation of wells contaminated by tannery industries using principal component analysis (2017) Arabian Journal of Geosciences (Source:Crossref).

GIS-based assessment of groundwater quality and its suitability for drinking and irrigation purposes in a hard rock terrain : A case study in upper Kodaganar basin, Dindigul district, Tamil nadu, India (2018) Desalination and water treatment (Source: Scopus-Elsevier).

GIS-based assessment of aquifer vulnerability using DRASTIC Model: A case study on Kodaganar basin (2016) Earth Science Research Journal (Source: Source: Scopus-Elsevier).

Modflow based groundwater budgeting using GIS: A case study from Tirunelveli taluk, Tirunelveli district, Tamil Nadu (2018) Journal of Indian society of remote sensing (Source:Crossref).

GIS Based Groundwater Modeling Study to Assess the Effect of Artificial Recharge: A Case Study from Kodaganar River Basin, Dindigul District, Tamil Nadu (2017) Journal of Geological Society of India (Source: Scopus-Elsevier).

A geostatistical approach for delineating the potential groundwater recharge zones in the hard rock terrain of Tirunelveli taluk, Tamil Nadu, India (2016) Arabian Journal of Geosciences (Source: Scopus-Elsevier).

Sintacs model for groundwater vulnerability mapping using remote sensing and GIS techniques: A case study on Dindigul block (2015) International Journal of ChemTech Research (Source: Scopus-Elsevier).

Groundwater quality assessment in Dindigul district, Tamil Nadu using GIS (2014) Nature Environment of Pollution Technology (Source: Scopus-Elsevier)

Hydrological water balance evaluation in Tirunelveli taluk, Tamil Nadu, India using Remote Sensing and GIS techniques (2016) Advances in Natural and Applied Sciences.

Groundwater quality analysis using WQI and GIS Techniques: A case study of Manavalakurichi in Kanyakumari District, Tamilnadu, India (2015) International Journal of Innovative Science, Engineering & Technology

Estimation of Groundwater Vulnerability using Remote Sensing and GIS Techniques (2015) International Journal for Innovative Research in Science & Technology.

Prediction of groundwater level dynamics using Artificial Neural Network (2015) National Conference on Computing & Communication (Conference Paper).

Groundwater Resource Evaluation in Tirunelveli taluk using Remote Sensing and GIS techniques (2015) Infinite Inventions in Automation & Advanced Construction Techniques (Conference Paper)

Development of a Decision support system for landuse planning in peri-urban area (2007) (Conference Paper).

Membership List

Indian Association of Hydrologist (IAH)

Member of Institute of Technical education MISTE