

PARIMITA SAIKIA

ASSISTANT PROFESSOR

Contact Info

✉ psaikia1@rgu.ac

🌐 <https://www.researchgate.net/profile/Parimita-Saikia>

🌐 <https://www.linkedin.com/in/parimita-saikia-07641493/>

Education

Ph. D in Geography

The Assam Royal Global University, Guwahati
2020 - Present

M. Tech in GIS

NIIT University, Neemrana
2016 - 2018

Masters of Arts (Geography)

Jamia Millia Islamia Central University
2014 - 2016

Bachelor of Arts (Geography)

Miranda House, University of Delhi
2014 - 2016

Experience

Guest Lecturer, North-Eastern Hill University, Shillong

October 2019 - July 2023

- Delivered lectures in subjects on GIS, Remote sensing for PG Diploma in Geoinformatics
- Conducting practical classes for GPS survey
- Guiding students in PG Diploma thesis
- Preparation of exam question papers, exam duty and evaluation of answer-sheets.

Research Assistant, SERB DST Project Cotton University, Guwahati

August 2018 - March 2019

- Involved in visual interpretation of IRS LISS IV satellite data and drainage network analysis using topographical maps
- Involved in fluvial data collection viz. water samples, stream velocity, river width and depth.

Chapter Publications

- Saikia. P. **Spatio-Temporal Analysis of The Fluctuations of Groundwater Level: A Study in Rajasthan, India.** *Environmental Sustainability in the 21st Century: Emerging Issues and The Way Forward.* pp 18-28. First Edition, 2020.
- Saikia, P., Konwar, K. **Analysis of Changes in Groundwater Levels Using Mann-Kendall and Sen's Slope Estimator in Kamrup (M) District, Assam.** *Geography In The 21st Century: Emerging Issues and The Way Forward.* Namya Press.pp. 357-368. First Edition, 2020.
- Saikia. P. **Land Use/ Land Cover Analysis for Conservation of Deepor Beel Area, Assam: A Geospatial Approach.** *Harnessing Wetlands for Sustainable Livelihood,* pp 351-361. Notion Press, First edition, 2019.

Journal Publications

- Saikia, P., Mipun, S. B. "**Delineation of groundwater potential zones (PGZs) using geospatial techniques and Analytical Hierarchy Process (AHP) in Kamrup Metropolitan district, Assam.**" *National Geographical Journal of India* (2022).
- Saikia, P., Nath B., and Dhar K. R. "**Quantifying the changing pattern of water level conditions and groundwater potential zones in a rapidly urbanizing Kamrup metropolitan district of Assam, India.**" *Groundwater for Sustainable Development* (2023).
- Saikia. P, Das, K, Bhuyan C, Saikia, A, Kar, R. "**Assessment of Urban Growth and its impact on Groundwater Quality using Remote Sensing and GIS techniques in GMDA Area, Assam, India.**" *International Journal of Mechanical Engineering*, vol. 6, no. 3. 2021.

Conferences/ Seminars

- Presented a research paper on "**Comparative analysis of Groundwater Potentiality Zone using Fuzzy-AHP and Frequency Ratio Techniques**" at 44th Annual Meet and International Conference of the Institute of Indian Geographers organized by Department of Geography, Cotton University, Guwahati.
- Presented a paper titled, "**Impact of urbanization on groundwater level change in Kamrup Metropolitan district, Assam, India**", during a Poster session on 16 December, 2021 at the AGU Fall Meeting 2021.
- Presented a research paper on "**Impact of hydro meteorological parameters and urbanisation on groundwater in Kamrup Metropolitan district, Assam**" at XVI DGSI International Geography Online Conference Bihar organized by Centre for Geographical Studies, Aryabhata Gyan University, Patna, Department of Geography, Cotton University, Guwahati.
- Presented a research paper on "**Land Use/ Land Cover Analysis for Conservation of Deepor Beel Area, Assam: A Geospatial Approach**" at National Seminar on "Harnessing Wetlands for Sustainable Livelihood" at Cotton University, Guwahati, Assam.