

Personal Profile



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Educational Profile

Ph.D.	University of Gauhati, Guwahati, Assam; 2010 Supervisor: Prof. Parag Phukon
M.Sc.	University of Gauhati, Guwahati, Assam; 2004 Subject: Geology Specialization: Geomorphology
MBA	Assam University, Silchar, Assam; 2000 Subject: Business Administration Specialization: Marketing-Finance
B.Sc.	Assam University, Silchar, Assam; 1998 Subject: Geology (H)

Professional Experience

Assistant Professor , Department of Geology, Rajiv Gandhi University, Arunachal Pradesh, India	May, 2017-till date
Assistant Professor (Contractual) , Department of Geology, Cotton College State University, Assam, India	August, 2015-May, 2017
Consultant Geologist and GIS Specialist , Sanjib Services, Guwahati, Assam, India	January, 2014-August, 2015
Visiting Scientist Indian Statistical Institute, North-East Center Tezpur, Assam, India	June, 2011-December, 2013
Research Associate Gauhati University, 2010-2011 Supervisor: Prof. Parag Phukon	July, 2010-June, 2011

Administrative Experience

Head of Department (i/c), Department of Geology,
Rajiv Gandhi University, Arunachal Pradesh, India July 2017- September
2020

Awards & Honours

1. Qualified CSIR-UGC-NET for CSIR-JRF in June, 2004

Membership of Professional Bodies

1. Life Member of Indian Society of Remote Sensing, India (L-4053)

Research Interests

- Fluvial Geomorphology
- Active Tectonics
- Remote Sensing and GIS
- Quaternary Geology

Research Publications

1. Mechanical compaction - a simple ground improvement technique: a case study: Gogoi, J. C.; Laskar, A. A.; *Discovery*, **2015**, *40(185)*, 377-383.
2. Structural control on landscape development of Barak Valley, Northeast India: Laskar, A. A.; Phukon, P.; *Journal of Geological Society of India*, **2013**, *83(2)*, 232-240.
3. Erosional vulnerability and spatio-temporal variability of the Barak River, N E India: Laskar, A. A.; Phukon, P.; *Current Science*, **2012**, *103(1)*, 80-86.
4. Inventory and change detection of wetlands in Barak Valley, Northeast India: a remote sensing and GIS approach: Laskar, A. A.; Phukon, P.; *Journal of Geomatics*, **2012**, *6(2)*, 120-126.
5. Application of Remote Sensing and Geographic Information System for Groundwater Resource Mapping: A Preliminary Appraisal in Guwahati City, Assam, Phukon, P; Chetia, D; Laskar, A. A., *International Journal of Computer Applications in Engineering Sciences*, **2012**, *2(2)*, 107-113.
6. Landuse mapping of the Guwahati city, Assam using high resolution satellite data: a preliminary appraisal: Phukon, P; Laskar, A. A.; *Prajñā*, **2012**, *21*, 96-102.

Patent

Nil

Book/Book Chapter published

1. Phukon, P.; Phukan, S; Laskar, A. A.: Topographic Analysis of a Hydrocarbon Bearing Folded Sedimentary Terrain Around Mashimpur, Assam, Using Remote Sensing and GIS, in *Geoinformatics for decentralised planning and governance*, Eds. Nathawat, M. S. & Pandey, A. C., Rawat Publications, Jaipur, India, 2008, pp 411-420.

Research guidance

Post-doc fellow

Nil

Ph.D scholar

Nil

Course/Conference/Workshop organized

1. One day workshop on 'Career Opportunities as Geologists' by Department of Geology, Rajiv Gandhi University, Arunachal Pradesh, India

Date: 07 May 2019

Role: Convenor

Course/Conference/Workshop etc. attended

1. Delivered an oral presentation in 'Hydrology and Water Quality Management', a national conference held at Morigaon College, Assam, India during 20th September-22nd September, 2012.

Title of the presentation: Application of high-resolution electrical resistivity tomography (HERT) for groundwater resource assessment: a case study from north Brahmaputra plain

2. Delivered an oral presentation in 'Landslide Hazard Zonation and Mitigation Plan for Guwahati City and Adjoining Areas', a national Workshop held at Department of Geological Sciences, Gauhati University, Guwahati, India during 11th January-12th January, 2012.

Title of the presentation: Application of LiDAR based DEM in landslide studies in Guwahati city.

3. Delivered an oral presentation in 'Geodynamics, Sedimentation and Biotic response in the context of India-Asia Collision', a national seminar held at Department of Geology, Mizoram University, Aizawl, India during 26th November-28th November, 2009.

Title of the presentation: Influence of structure and tectonics in landscape development of Barak Valley, Assam

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4. Delivered an oral presentation in ‘Map World Forum’, an international conference held at GIS Development, Hyderabad, India during 10th February-13th February 2009.

Title of the presentation: High resolution satellite data and GIS for ground water resource mapping: a case study from Brahmaputra plain, Northeast India

5. Delivered an oral presentation in ‘The role of Geoinformatics in Decentralised Planning for Better Governance’, a national seminar held at Department of Remote Sensing, Birla Institute of Technology, Mesra, India during 7th October-8th October, 2004.

Title of the presentation: Topographic Analysis of a Hydrocarbon Bearing Folded Sedimentary Terrain Around Mashimpur, Assam, Using Remote Sensing and GIS

Sponsored Project

Title of the project	Funding agency	Year of sanction	Role
Neogene sedimentation and tectonics of Cachar Fold Belt, Northeast India	Indian Statistical Institute	2012	PI
