

Dr. Trishna Changkakati

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Guwahati- 781005 Assam, India



CAREER OBJECTIVES:

Devoted Teacher with 5 years in classroom instruction. Equips students with strong Knowledge of fundamentals of geography while introducing peripheral concepts in history and economics to figure out understanding. Committed to cultivating excellence in every learn-expertise in facilitating interesting classroom discussions and performing spatial analysis. Dedicated to creating supportive, dynamic learning environment for over more than 100 students.

EDUCATIONAL QUALIFICATION:

1. Doctorate of Philosophy (PhD) : Department of Geography, Gauhati University , 2018

Thesis Entitled: VARIABILITY OF NORMALIZED DIFFERENCE VEGETATION INDEX IN RELATION TO CLIMATIC ATTRIBUTES AND INSTITUTIONAL STRUCTURES IN NORTH EAST INDIA

- Application of Advanced Remote Sensing, Remote Sensing of Global Environment Change, Intermediate Quantification Methods etc.

2. Masters of Arts: Department of Geography , Gauhati University, 2009

- Specialization in Geoinformatics

EXPERIENCE (Starting from the Current/ Last job)

NAME OF THE ORGANIZATION	DESIGNATION	DURATION (From – To)
A) Teaching Experience		
<ul style="list-style-type: none">• B.Borooah College	Asst. Professor in the Dept. of Geography	18-08-2017 to 30-03-2022
<ul style="list-style-type: none">• University of Science and Technology Meghalaya.	Asst. Professor in the Dept. of Earth Science	22-08-2022 to 22-02-2024
<ul style="list-style-type: none">• Royal Global University	Asst. Professor in the Dept. of Geography	23-02-2024 till date
B) Non Teaching Experience		
<ul style="list-style-type: none">➤ ICSSR sponsored Project entitled "Occupational transformation among schedule caste population in the Brahmaputra valley, Assam : a geographical analysis" , funded by ICSSR.	Research Assistant	1st of April 2011 to 30th November 2012.

<p>➤ European Space Agency (ESA), Paris sponsored Project titled “Mapping From Space: Mapping Elephant Habitat in Sonitpur District of Assam, India” from October 2012 to December 2014.</p>	Project Assistant	2012-2014
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ADDITIONAL INFORMATION:

- Motivated and result-oriented professional in Geographic Information Science (GIS) with 3+ years’ experience in geospatial and remote sensing analysis.
- Well-versed in quantitative analytical research, particularly with ESRI ArcGIS suite, ERDAS, and QGIS. Experienced with managing multiple databases and working on multiple projects simultaneously.
- Expertise in advanced satellite imaging processing, land cover mapping, time-series analysis, and land use and land cover change (LULC) analysis. Familiarity with other software like SPSS etc.

PUBLICATIONS

1. Number of Publications in Journal: (i) Research Publications (with details):

National:

1. Changkakati Trishna and Saikia Anup, Landuse/landcover change and institutional change: A case study of Amchang Wildlife Sanctuary, Assam, India, Asian Journal of Spatial Science, Volume-4, 2016, ISSN: 2347-7636
2. Changkakati Trishna, Forest cover change in Amchang Wildlife Sanctuary, Assam, India, ADBU Journal of Engineering Technology, Vol-6, No.2, 2017 (UGC-CARE listed)
3. Trishna Changkakati, NDVI Dynamics and its relationships with climatic attributes in Northeast India. Page No. 87-94, Universal Review Scientific Information and Technological Board of Sadhana, Volume 10 Number 06 June 2019, E-ISSN No.22772726 ISSN No. 22772723, UGC approved journal (40792)
4. Dr. Trishna Changkakati, Spatial and Temporal Patterns of NDVI Variability in North East India (1998-2013), Journal of the Gujarat Research Society, ISSN: 0374-8588 Volume 21 Issue 1. (UGC-CARE listed)

International:

1. 1. Co-authored, Mapping human impact using crowdsourcing, Chapter-6, “Mapping Wilderness: Concepts, Techniques and Applications of GIS. Stephen J. Carver, Steffen Fritz, Springer, Netherlands 2016, Science, 204 pages, ISBN 978-94-017-7399-7, DOI: 10.1007/978-94-017-7399-7_6 (SCOPUS INDEXED)
2. Co-authored, A global reference database of crowd sourced cropland data collected using the Geo-Wiki platform, Scientific Data, volume 4, Article number: 170136 September (2017), DOI:10.1038/sdata.2017.136 (SCOPUS INDEXED)
3. Trishna Changkakati, Temporal Response of NDVI to climatic attributes in Northeast India, International Journal of Engineering Research & Technology, Volume.8, Issue.8, August -2019, ISSN No.:2278-0181.
4. Dr. Trishna Changkakati, NDVI Variability during the period 1998-2013 in Bangladesh using

SPOT-Vgt NDVI time-series Data, Journal of The Social Sciences, Prinses Beatrixtaan, Kempston, Kuwait, ISSN: 0253-1097, Volume 48 (2), PP- 141-150, April 2020 (SCOPUS INDEXED)

Number of Book chapters contributed:

1. T.Changkakati,R.Barua & A.Saikia (2013) "Vegetation analysis using time series remotely sensed data" in PR Sharma,RS Yadava & VN Sharma (Eds.) Interdisciplinary Advances in Environmental and Earth System Studies .R.K.Books, New Delhi. ISBN No. 987-81-910059-9-8.
2. Anup Saikia, Trishna Changkakati, Dhruvajyoti Saharia, One Pixel in time: A case study of two protected areas in the indo Myanmar biodiversity hotspot, In modern transformational economic, social and political process (proceedings of IV International Science practice conference) Abakan, Russia , 2013, Page no. 257-259,
3. Trishna Changkakati (2022) " Vegetation Sensitivity to Changing Climate in Bangladesh Using SPOT-VGT NDVI Time Series Data" in Anup Saikia, Pankaj Thapa . Environmental Change in South Asia. Springer Nature Switzerland AG. ISBN No. 978-3-030-47659-5. Pages 187-201

Paper Presentation in National and International conferences:

1. Presented a paper " Protected forests in N.E.India" at the National Seminar on Environment, Citizenship and the State, Dept. of Political Science, Gauhati University, 23-24 March 2011.
2. Presented a paper "Namdapha at the Annual Technical Session of the NEIGS at Goalpara College, Goalpara, 19th January, 2013.
3. Presented a paper "Tranquilizing flood effect: a case study of Baralia river basin using GIS and RS techniques at the Annual Technical Session of the IIG at University of Burdwan 11th November, 2013
4. Presented a paper "Temporal Response of NDVI to Precipitation in Northeast India(2001-2010), at the Annual Technical Session of the IIG at Gauhati University 25th February, 2015
5. Presented a paper " Temporal Response of NDVI to precipitation in Northeast India", at the XXIX Biennial Conference of Northeast India Geographical Society (NEIGS) cum XI International Geographical Union (IGU) commission seminar, at B.Barooah College, 8th to 10 February 2018.
6. Attended the ICSSR National and International School of Geography on Recent Developments in Theory and Methodology of Geography as a social science discipline held at ICSSR, NEHU Shillong during 5th-15th March 2013

DATE : 02/05/2024

Sincerely Yours



**Dr. Trishna Changkakati
Guwahati**

