

CURRICULUM VITAE

CONTACT

Lt. Dr. Mallikarjun Mishra

Assistant Professor

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ResearchGate: https://www.researchgate.net/profile/Mallikarjun-Mishra?ev=hdr_xprf

Google Scholar: <https://scholar.google.com/citations?user=YEQOkZsAAAAJ&hl=en>

Scopus ID: 56601116600

Web of Science ResearcherID: AAL-7902-2020



ACADEMIC QUALIFICATIONS

Exams Passed	Board/University	Subjects	Year of Passing	Division (%)
Ph.D.	Banaras Hindu University	Geography	2020	---
M.A.	Banaras Hindu University	Geography	2015	First (78.80)
B.A.	University of Allahabad	Geography, Defense Studies, Anc. History	2013	First (67.77)
XII	M R L B M Inter College, Barabanki, U.P.	Physics, Chemistry, Math's, Hindi, English	2010	First (82.20)

Fields of Specialization : Applied Fluvial Geomorphology, River Studies, Land Use/ Land Cover Dynamics, Wetlands, Floods, Applications of Geospatial Technology

Achievements : 1. Qualified UGC-NET/JRF in 2014.
2. Received **Letter of Appreciation from Vice Chancellor** for getting University A++ Grade as Member, Core Team of IQAC, 2023
3. Felicitated for **Best Record of publications for 2023-24** by Ravenshaw University on 15th November, 2024
4. Commissioned (7th April, 2026) as Lieutenant to become Associated NCC Officer (ANO) from Officers Training Academy

Fellowships : UGC Junior Research Fellowship (2016-2018)

: UGC Senior Research Fellowship (2018-2020)

ACADEMIC POSITION

Designation	Year	Organization	Nature
Assistant Professor	27 th May, 2022 onwards	Department of Geography, Ravenshaw University	Teaching and Research

ADMINISTRATIVE EXPERIENCE

Designation	Duration	Organization
Assistant Professor-in-Charge of e-Resource Centre	2 nd July 2022 to Present	Ravenshaw University

Care Taker Officer (CTO)	1 st Nov. 2023 to 6 th April, 2026	1 Odisha Battalion (Army wing), Ravenshaw University
Associated NCC Officer (ANO); Rank: Lieutenant	7 th April, 2026 to Present	1 Odisha Battalion NCC (Army Wing), Ravenshaw University
Member, PG Admission Committee	2022 to Present	Department of Geography, Ravenshaw University
Member, UG Admission Committee	2022	Department of Geography, Ravenshaw University
Member, University Library Committee	2022 to Present	Kanika Library, Ravenshaw University

Present Activity : Teaching, Research and Academic Administration
Title of the PhD Thesis : Spatial data generation of Assi river in Varanasi and delineation of its palaeo course (**Supervisor:** Prof. K N Prudhvi Raju)
Research Experience : 10 years
Teaching Experience : about 4 years (UG, PG and PhD)
Research Publications : Total **16** Research Articles (10 Indexed in **Web of Science** and 13 in **Scopus**) and 01 Book Chapter
PhD Thesis Supervision : 01 PhD Awarded (Co-Supervisor), 02 (Ongoing)

COMPLETE LIST OF PUBLICATIONS

- i. Sribas Patra, Gavsker, K.K. & **Mallikarjun, Mishra** (2026) Multi-method approaches for measurement of Urban Built-up growth and its environmental implications in an industrial city of Eastern India: critical steps toward sustainable urban planning. *Environment Development and Sustainability*. <https://doi.org/10.1007/s10668-026-07460-9> (WoS and Scopus Indexed with IF: 4.9) (Co-author)
- ii. **Mallikarjun Mishra**, Shyam Kanhaiya, B. P. Singh and K. N. Prudhvi Raju (2025) Textural analysis and statistical synthesis to interpret depositional environments in the palaeochannel of the Assi River in the Central Ganga Plain, India, *Proceedings of the Indian National Science Academy*, <https://doi.org/10.1007/s43538-025-00536-6>. (Jointly published by Indian National Science Academy and Springer) (WoS and Scopus Indexed with IF: 2.1) (First and corresponding author)
- iii. Shashi Shekhar Shukla, Padmini Pani, **Mallikarjun Mishra** and Rajveer Sharma (2025) Unlocking geomorphic complexity in fluvial behaviour: Insights from the Bakulahi River, Central Ganga Plain, India, *Proceedings of the Indian National Science Academy*, <https://doi.org/10.1007/s43538-025-00506-y> (Jointly published by Indian National Science Academy and Springer) (WoS and Scopus Indexed with IF: 2.1) (Co-author)
- iv. Bapi Sarkar, Sribas Patra and **Mallikarjun Mishra** (2025) Geospatial Analysis of the Relationship Between Land Surface Temperature and Land Use/Land Cover Indices: A

Study of Raiganj Municipality, West Bengal, India, *Nature Environment and Pollution Technology*, 24(2), B4245, <https://doi.org/10.46488/NEPT.2025.v24i02.B4245> (Published by Technoscience Publications) (WoS and Scopus Indexed) (Corresponding author)

- v. **Mallikarjun Mishra**, Sanjay Rana, Praveen Kumar Rai, Prafull Singh, and K N Prudhvi Raju (2024) Confirmation of Nature of Palaeo-course of Assi River, India: Some Significant Revelations from Electrical Resistivity Tomography, *Journal Geological Society of India*, 100(12), pp. 1729-1740. <https://doi.org/10.17491/jgsi/2024/174045> (Jointly published by Geological Society of India and GeoScienceWorld) (WoS and Scopus indexed with IF:1.3) (First and corresponding author)
- vi. **Mallikarjun Mishra**, V A V Raman, K N Prudhvi Raju (2024) Flood Reduction and Prevention Possibilities in the Flood Plains: A Case study of the Varuna River Basin in the Flood Plain of the Ganga River, Uttar Pradesh, India, *Journal Geological Society of India*, 100(12), pp. 1713-1720. <https://doi.org/10.17491/jgsi/2024/174043> (Jointly published by Geological Society of India and GeoScienceWorld) (WoS and Scopus indexed with IF:1.3) (First and corresponding author)
- vii. Sribas Patra and **Mallikarjun Mishra** (2024) Spatio-temporal changes in mangroves of Bhitarkanika National Park along the Eastern Coast of India over a three decades period using remote sensing spectral index NDVI, *Geology, Ecology and Landscapes*, 8, pp. 1-14. <https://doi.org/10.1080/24749508.2024.2429224>, (Published by Taylor and Francis) (Scopus indexed with Cite Score:10.9) (Corresponding author)
- viii. **Mallikarjun Mishra**, KN Prudhvi Raju and PC Pandey (2023) Need for Pan-India Compatibility of Geospatial Databases in Terms of Map Projections and its Parameters, *Geocarto International*, 38, pp. 1-16. <https://doi.org/10.1080/10106049.2023.2215206> (Published by Taylor and Francis) (WoS and Scopus indexed with IF:3.9) (First author)
- ix. AK Tiwari, **Mallikarjun Mishra**, R. Singh and G S Singh (2023) Assessment of River Channel Dynamics and its impact on the land use/ land cover in Middle Ganga Plain, India, *Arabian Journal of Geosciences*, 16, pp. 1-11. <https://doi.org/10.1007/s12517-023-11307-2>, (Jointly published by Springer and Saudi Society of Geosciences) (Scopus indexed) (co-author)
- x. Sanjay Rana, V. N. Mishra, P. K. Rai and **Mallikarjun Mishra** (2023) Exploring the Potential of Ground Penetrating Radar Data-Based Simulation Technique for Assessing the Condition of Stilling Basin of a Dam, *Water and Energy International*, 66r (9), pp.

- 12-19. <https://www.indianjournals.com/article/wei-66r-9-002>. (**Scopus indexed**) (**Co-author**)
- xi. **Mallikarjun Mishra**, K.N. Prudhvi Raju (2022) Groundwater evidences in confirmation of palaeo-course, *Current Science*, 122(3), 10 February, 2022, pp.333-337. (Indian Academy of Sciences and Current Science Association publication). <https://www.currentscience.ac.in/Volumes/122/03/0333> (**WoS and Scopus indexed with IF:1.1**) (**First and corresponding author**)
- xii. **Mallikarjun Mishra**, Vikas Dugesar, K.N.Prudhvi Raju (2022) Flood Risk and Impact Analysis of Varanasi City Region, India, *Journal of Scientific Research*, 66(1), pp.22-32. <http://dx.doi.org/10.37398/JSR.2022.660103> (published by Banaras Hindu University) (**UGC Care listed**). (**First and corresponding author**)
- xiii. **Mallikarjun Mishra**, K.N.Prudhvi Raju and P.V. Raju (2020) Palaeo and present channel of Assi river, Uttar Pradesh, India, *Current Science*, 118(4), 25 February, 2020, pp.630-639. <https://www.currentscience.ac.in/Volumes/118/04/0630> (Indian Academy of Sciences and Current Science Association publication). (**WoS and Scopus indexed with IF:1.1**) (**First and corresponding author**)
- xiv. SS Shukla and **Mallikarjun Mishra** (2019) Tracing of Palaeochannels of Bakulahi river system in Uttar Pradesh, India, *Arabian Journal of Geosciences*, 12(9), pp.1-9 <https://doi.org/10.1007/s12517-019-4429-6> (Jointly published by Springer and Saudi Society of Geosciences). (**WoS and Scopus indexed with IF:1.8**) (**Corresponding author**)
- xv. **Mallikarjun Mishra**, Vikas Dugesar, K. N. Prudhvi Raju, Shyam Babu Patel, Kshitij Mohan (2019) Precision mapping of boundaries of floodplain river basins using high resolution satellite imagery: A case study of the Varuna river basin in Uttar Pradesh, India, *Jour. of Earth System Science*, 128(5), pp.1-10. <https://doi.org/10.1007/s12040-019-1146-1> (Jointly published by Springer and Indian Academy of Sciences) (**WoS and Scopus indexed with IF:2.1**) (**First and corresponding author**)
- xvi. **Mallikarjun Mishra**, Vikas Dugesar, K. N. Prudhvi Raju, Shraban Sarkar, Mukesh Vishwakarma (2017) Post-Disaster investigation of the Malin slope failure, Deccan Plateau, India. *Nat. Geog. Jour. of India*, 63(3), pp 1-7. <https://ngji.in/index.php/ngji/article/view/389> (Published by NGSI, BHU, Varanasi) (**First and corresponding author**)

BOOKS CHAPTER

- i. **Mallikarjun Mishra**, Singh, K.K., Pandey, P.C., Devrani, R., Pandey, A.K., Raju, K.N.P., Ranjan, P., Arora, A., Costache, R., Janizadeh, S., Linh, N. T. and Pandey, M.

(2023) Spectral Indices Across Remote Sensing Platforms and Sensors Relating to the Three Poles: An Overview of Applications, Challenges, and Future Prospects *in Advances in Remote Sensing Technology and The Three Poles: A multidisciplinary approach to the study of the Arctic, the Antarctic and the Himalaya* (eds. Pandey, M; Pandey, P.C.; Jawak, S.; Arora, A; Ray, Y; and Shukla, U.K.), ISBN: 9781119787723, John Wiley & Sons Ltd, pp.83-116.
<https://doi.org/10.1002/9781119787754.ch6> (First author)

FACULTY INDUCTION PROGRAMME, FACULTY DEVELOPMENT PROGRAMME AND SHORT-TERM TRAINING PROGRAMME (FIP, FDP AND, STTP)

1. **Refresher Course in Geography** from University of Allahabad from 05.12.25-18.12.25 and obtained **grade A+**.
2. Short-Term Training Program on **Research Ethics and Academic Integrity: Leveraging Digital Tools** organized by Inter University Centre for Teacher Education (IUCTE) BHU and INFLIBNET during 18th-22th August 2025.
3. **NEP 2020 Orientation & Sensitization Programme** under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) organized by UGC-Malaviya Mission Teacher Training Centre, National Institute of Educational Planning and Administration, New Delhi from 23-30 September 2024.
4. 16th Online One Month **Faculty Induction Programme** organized by the MMTTC-- Jamia Millia Islamia, New Delhi from 01st February to 01st March 2024 and obtained **grade A+**.

RESEARCH PROJECTS COMPLETED

1. **Mapping of Ravenshaw University Campus Using Geospatial Technology** funded by Ravenshaw University
2. **Updation, Fixing and Installation of Ravenshaw University Maps at Various Locations within the University Campus** funded by Ravenshaw University

PROFESSIONAL EXPERIENCE

A. WORKSHOP/TRAINING PROGRAMME ORGANIZED

1. **Convenor**, One Day Workshop on ‘**Fluvial Geomorphology: Lab to Land and Land to Lab Approach**’ organized by Department of Geography, Ravenshaw University, 27/02/2023.
2. **Co-Ordinator**, One Day workshop on **How to effectively use e-resources?** organized by e-Resource Centre of Kanika Library, Ravenshaw University on 20/01/2024.
3. **Convenor**, One day **Regional Investor Seminar for Awareness by SEBI and BSE** organized on 11th July, 2025 at Ravenshaw University.

4. **Co-Ordinator**, One Day workshop on **EBSCO Onsite Training Program** organized by e-Resource Centre of Kanika Library, Ravenshaw University on 19/09/2025.
5. **Co-Ordinator**, 10 Days ATC/CATC-XXIV (IUC for IGC RDC) NCC Camp, 10th-19th October, 2025.
6. **Co-Ordinator**, 10 Days ATC/CATC-XVIII NCC Camp, 2nd-11th July, 2026.

B. ROLES IN DIFFERENT ACADEMIC EVENTS

Role	Event	Organization
Member , Academic Industry Coordination Committee	Odisha Research Conclave-2022	Ravenshaw University
Member , National Young Advisory Committee	35 TH IGI-2024, JNU	Indian Institute of Geomorphologists
Member , Editorial Board on 35th IGI Abstract Volume	35 TH IGI-2024	JNU, New Delhi
Chairperson, Session	National Conference on Reviving Indian Knowledge Systems: a Deep Dive into the Foundation of the NEP-2020	Bayalasi PG College, Jaunpur, VBSP University

C. REVIEWER

1. Scientific Reports
2. Frontiers in Environmental Sciences
3. Earth Systems and Environment
4. Proceedings of the Indian National Science Academy. Part A, Physical Sciences
5. Discover Sustainability
6. Discover Geoscience
7. Romanian Journal of Geography/Revue Roumaine de Géographie
8. Geographical Perspective-Journal of The Association of Geographers Bihar and Jharkhand (AGBJ)
9. Nature, Environment and Pollution Technology
10. Book Chapters of Springer Nature, Taylor and Francis Published Edited Books

INVITED LECTURES

1. **Soil Erosion: Causes and Cure under** Lecture Series on Conserving Future sponsored by Hindustan Urvarak and Rasayan Ltd organized by Ravenshaw Radio 90.4 FM, Ravenshaw University, Cuttack, 02.03.2024 (Offline)
2. **Advanced Geospatial Technologies for Disaster Risk Reduction**, Centre for Sustainable Development, Suresh Gyan Vihar University, Jaipur, Rajasthan, 13.08.2022 (Online)

3. **Applications of Remote Sensing and GIS in Geographical Studies** under □□□□□□ □□ □□□□ □□□□□□ (□□□□□□ 63), Department of Geography, Jamshedpur Workers College, Jamshedpur, (Kolhan University, Chaibasa, Jharkhand), 02.08.2022 (Online)

FIELD TRAINING COURSE

One month training programme entitled **Field training course in Glaciology** during 8 August -09 September, 2016, organized by Regional Training Institute, **Geological Survey of India**, Northern Region, Lucknow at Chandigarh/Manali /Hamtah Glacier, Himachal Pradesh.

RESEARCH PAPERS PRESENTED IN SEMINARS/CONFERENCES/WORKSHOPS

- i. Presented paper on **Delineation of the Palaeo-Course of Assi River in Between Prayagraj and Varanasi: Geospatial and Geohydrological Approach** in National Seminar on Rivers of India: History, Culture, and Challenges Towards Conservation and Solutions organized by University of Allahabad from 27-28 March, 2025
- ii. Presented paper on **Roots of Sustainable Development in Vedic Mantras** in National Conference on Reviving Indian Knowledge Systems: A Deep Dive into the Foundation of the NEP-2020 organized by Bayalasi PG College, Jaunpur, VBS Purvanchal University, Jaunpur from 20-21, September 2024
- iii. Poster on **Establishing the Geochronology of the Palaeo-Channels of Sai-Ganga Interfluvium, Uttar Pradesh, India** in 4th Workshop on Luminescence Dating and Applications, organized by IISER-Kolkata from 1-3 February, 2023.
- iv. Poster on **Mapping Urban Landscape Dynamics of Durgapur Municipal Corporation, West Bengal: A Geospatial Approach**, in 2nd Odisha Research Conclave jointly organized Odisha State Higher Education Council, Bhubaneswar and Ravenshaw University, Cuttack, 14-16 November, 2022.
- v. Presented **research paper** entitled **On the Existence of Palaeo-Channels of Assi River in between Prayagraj and Varanasi, Uttar Pradesh, India**, in 33rd International Conference of Indian Institute of Geomorphologists (IGI) on “**Geomorphology and Environmental and Sustainability**”, 02-04 December, 2021 organized by Department of Geography, University of Allahabad, Prayagraj.
- vi. Presented **research paper** entitled **Terrain as a Factor in Floods: A Case Study of Varanasi City and its Environs** in 40th Indian Geography Congress, 2018, National Association of Geographers, India (NAGI) on “Climate Variability, Vulnerability and Resource Management Strategies for Sustainable Development and Geospatial Technologies”, 29-31 October, 2018 organized by Department of Geography, Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh.

- vii. Presented **research paper** entitled **High Resolution Geomorphological Mapping of Bakulahi River System in Uttar Pradesh: A Geospatial Approach** in **30th National Conference** of Indian Institute of Geomorphologists (IGI) on **Geomorphology, Environment and Society**, 03-05 October, 2018 organized by Department of Geography, Jamia Millia Islamia, New Delhi.
- viii. Presented research paper entitled **Fact and Fiction on the Place of Origin of Varuna River in Uttar Pradesh, India** in **30th National Conference** of Indian Institute of Geomorphologists (IGI) on **Geomorphology, Environment and Society**, 03-05 October, 2018 organized by Department of Geography, Jamia Millia Islamia University, New Delhi.
- ix. Presented a **research paper** entitled **Geo-Spatial Approach for Flood Management in Ganga Floodplains: A case of Varuna River Basin, Uttar Pradesh, India** in **5th International Conference on Challenges & Solutions for a Sustainable Environment**, 09-11 February, 2018 organized by Suresh Gyan Vihar University, Jaipur.
- x. Participated in one day symposium on **Remote Sensing & GIS Applications in Geographical Studies**, 30 January, 2018 organized by Department of Geography, Jai Prakash University, Chhapra.
- xi. Presented two posters entitled **Exploring BHU Campus through Dark Glasses and White Sticks** and **□□□□ □□□□□□□□, □□ □□□□□ □□□□□□□□ in Regional Seminar** on **□□□□□ □□□ □□□□□□□□□□**, 28 January, 2017 organized by Department of Geography, Institute of Science, Banaras Hindu University, Varanasi.
- xii. Presented a research paper entitled **Analysis of Land-Use change in part of Varanasi urban space using Remote Sensing Data and GIS** in **National Seminar on Geographies of Varanasi and Environs**, 11-13 March, 2016 organized by Department of Geography, Faculty of Science Banaras Hindu University, Varanasi.

WORKSHOPS/TRAININGS ATTENDED

- i. **3 Months Diploma on Trainers of Personality and Development** from Rashtrasant Tukadoji Maharaj Nagpur University from 5.1.2026 to 4.4.2026
- ii. **8th Online Workshop on IKS-TKDL** by IKS (DoE) and CSIR-TKDL, 4, 8, 11 August, 2025
- iii. Workshop on **River Management, River Health Assessment, Mining Impacts and Riparian Ecology**, organized by Dept. of Geography, Presidency University from 19-20 March, 2025.
- iv. DST 21 Days Online Training Program on **Winter School in Geospatial Science and Technology (Level-1)**, 15th November-9th December 2021 conducted by Multidisciplinary Centre for Geoinformatics at Delhi Technological University, New Delhi.

- v. Online Course on **Space Technology and Applications**, 31 May- 04 June 2021 organized by IIRS, ISRO.
- vi. Short term course on **Basics of Remote Sensing and Geo-informatics** under the The Remote Sensing of Earth Eco-System (TREES) programme during 11-15 March 2019 organized by Space Application Centre (SAC), Indian Space Research Organization (ISRO), Ahmedabad.
- vii. One-week short term course on **Research Methodology in Geography**, 25 February to 03 March 2019 organized by Department of Geography, Institute of Science, Banaras Hindu University, Varanasi.
- viii. One week GIAN course on **Geographic Information System (GIS) methods for flood risk management** organized by NIT- Warangal during July 25 – August 1, 2018.
- ix. Training programme on **Bhuvan Overview, 02-03 November 2017** organized by National Remote Sensing Centre (NRSC), Indian Space Research Organization (ISRO), Hyderabad.
- x. National workshop on **Techniques in Hyperspectral Data Analysis and Processing**, 29th May-03rd June, 2017 jointly organized by Institute of Environment and Sustainable Development, BHU and Department of Physics, IIT-BHU Varanasi.
- xi. One-week National workshop on **New Dimensions in Research Methodology and its Multidisciplinary Applications**, 18-24 December, 2016 organized by Department of Political Science, Banaras Hindu University, Varanasi.
- xii. Course on **BASINS/HSPF**, 6-14 June, 2016 jointly organized by Department of Hydrology and National Institute of Hydrology, Indian Institute of Technology- Roorkee, under Global Initiative for Academic Network (GIAN) scheme.
- xiii. One-week short term course on **Research Methodology in Geography**, 25 February to 03 March 2019 organized by Department of Geography, Institute of Science, Banaras Hindu University, Varanasi.
- xiv. National workshop on **Statistics in Geography: Some Operation in SPSS**, 08-21 April, 2016 organized by Department of Geography, Institute of Science, Banaras Hindu University, Varanasi.
- xv. One day workshop on **Scope of Rainwater harvesting and Groundwater Recharging (RHGR-2016)**, 29 March, 2016 organized by Department of Civil Engineering, Indian Institute of Technology-BHU (IIT-BHU), Varanasi.

E-LEARNING/ONLINE TRAINING/WEBINARS ATTENDED: 30+

IIRS EDUSAT PROGRAMMES ATTENDED

- i. **Remote Sensing and GIS Applications in Carbon Forestry**, 16 February-10 March, 2017.

- ii. **Remote Sensing and GIS Applications in Water Resource Management**, 22 May 2017 – 09 June 2017.
- iii. **UAV Remote Sensing and Applications**, 03 July 2017 – 07 July 2017.
- iv. **Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System**, 21 August- 04 December, 2017.
- v. **Overview of RS & GIS Applications for Natural Resource Management**, 13 November -01 December, 2017.
- vi. **Global Navigation Satellite System (GNSS) and Geographical Information System (GIS)**, 17 September 2018 -26 October 2018.
- vii. **Online Certificate Course on Space Technology & Applications for School Teachers**, May 31, 2021-June 04, 2021.

NPTEL & UGC SWAYAM PROGRAMMES ATTENDED

- i. NPTEL programme on **Basics of Remote Sensing**, 28 January 2019 -22 February 2019 organized by Indian Institute of Technology-Roorkee and sponsored by MHRD.
- ii. NPTEL programme on **Natural Hazards-Part-1**, 28 January 2019 -22 March 2019 organized by Indian Institute of Technology-Kanpur and sponsored by MHRD.
- iii. UGC Swayam online course on **Academic writing**, July-October 2019

LIFE MEMBERSHIP OF SOCIETIES

- i. National Geographical Society of India (NGSI), Varanasi
- ii. Indian Society of Remote Sensing (ISRS), Dehradun
- iii. Indian Water Resource Society (IWRS), Roorkee.
- iv. The Association of Geographers, Bihar and Jharkhand (AGBJ), Patna

Software's and Instrumental Proficiency:

- i. **Software's:** ArcGIS, ERDAS IMAGINE, ENVI, QGIS, Global Mapper, Leica Geo-office, Google Earth.
- ii. **Instruments:** DGPS, Total Station

Mallikarjun

(Mallikarjun Mishra)