


FACULTY PROFILE PROFORMA

Title (Ms/Mr/Dr/Prof)	Mr.	First Name	Akhilesh	Last Name	Mishra	
Designation	Assistant Professor					
Department	Geography					
Address (Official)	Department of Geography, Kalindi College, University of Delhi, East Patel Nagar, Delhi-110008					
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Education

Subject	Institution	Year	Details
PhD in Geography	University of Delhi	2016 onwards	
M.Tech in Geoinformatics	University of Madras	2014	First Division with Distinction
MA/MSc in Geography	Banaras Hindu University	2012	First Division

Career Profile

Organisation/Institution	Designation	Duration	Role
Kalindi College, University of Delhi	Assistant Professor	July 2019 onwards	Teaching and Research

Research Interests/Specialization

Fluvial Geomorphology

Hydrology

Flood and Watershed management

Remote Sensing

Geographic Information System

Climate Variability

Administrative Assignments / Contribution to corporate life**Teaching Experiences (Subject/Courses taught)**

Remote Sensing

Geographic Information System

Environmental Science

Economic Geography

Disaster Management System

Field work and research methodology

Research Guidance**Publication (Peer Reviewed/Indexed Journals)**

Year of Publication	Title	Journal (Name of the journal. Vol Issue ISSN)	Co-Author
(2020)	Geo-hydrological inferences through morphometric aspects of the Himalayan glacial-fed river: a case study of the Madhyamaheshwar River basin	Arabian Journal of Geosciences (Springer Journal)	Rai, S.C.
(2020)	Probabilistic groundwater recharge zonation in hard rock terrain using geospatial techniques in Veniar watershed, South India	Ecohydrology & Hydrobiology (Elsevier Journal)	Upadhyay, A., Srivastava, A., Rai, S.C.
(2019)	Assessment of spatio-temporal variability of temperature using geo-statistical techniques: a case study of Upper Teesta River Basin, India	Environmental Sustainability (Springer Journal)	Rai, S.C.
(2018)	Spatio-temporal Analysis of Demographic Characteristics: A Case Study of Samastipur District, India	American Research Journal of Humanities and Social Sciences (4): 2378-7031	Mishra, P. K.

(2016)	Changing cropping pattern in Saripatty Village, Mirzapur	Review of Research, 6(2): 2249-894X	Mishra, A.P. and Kumar, P.
(2016)	The role of sanitation facilities in transforming urban India: case study of Meerut city	Indian Streams Research Journal, 5(12): 2230-7850	Mishra, A.K.
(2016)	Policy recommendations and future suggestions for Allahabad Smart City Transformation	Review of Research, 5(11): 2249-894X	Mishra, A.P.

Seminar/Workshop/Conferences Presentation/Organisation

International Conferences

1. Assessment and mapping of climatic inconsistency on Wetland Ecosystem: A case study of Tso-moriri wetland, Tans-Himalayan region, India, International conference on “Spatial Decision Support Systems for UN SDGs”, held at Kalindi College, University of Delhi, New Delhi, February 1-2, 2017.
2. Web-based GIS application for flexible collective decision making during house hunting, International conference on “Spatial Decision Support Systems for UN SDGs”, held at Kalindi College, University of Delhi, New Delhi, February 1-2, 2017.
3. Demarcation of flood susceptible zones in Tiruchirappalli District with the cohesive assistance of GIS and Remote Sensing, 9thInternational Geographical Union (IGU) conference on Land Use Change, “Climate Extremes and Disaster Risk Reduction”, held at Shaheed Bhagat Singh College, University of Delhi, New Delhi, March 18-20, 2016.
4. Application and validation of SWAT Model to Upper Teesta Catchment in Eastern Himalaya, Fourth International Conference on “Remote Sensing and GIS Applications on Coastal Management”, held at University College, Mangalore University, Mangalore, February 16-17, 2016.
5. Estimation of ecological extrapolative erraticism in mangrove along Muthupet Region, Tamilnadu, India, 9thInternational Geographical Union (IGU) conference on Land Use Change, “Climate Extremes and Disaster Risk Reduction”, held at Shaheed Bhagat Singh College, University of Delhi, New Delhi, March 18-20, 2016.
6. Feasible Open Source Tools for spatial modelling and research, Fourth International Conference on “Remote Sensing and GIS Applications on Coastal Management”, held at University College, Mangalore University, Mangalore, February 16-17, 2016.
7. Probabilistic extreme stream flow estimates for Khanitar Section, Upper Teesta River Basin based Geospatial Techniques, Fourth International Conference on “Remote Sensing and GIS Applications on Coastal Management”, held at University College, Mangalore University, Mangalore, February 16-17, 2016.
8. Mapping potential sites for Macaca Silenus by dint of Habitat Suitability Index along the Western Ghats, Fourth International Conference on “Remote Sensing and GIS Applications on Coastal Management”, held at University College, Mangalore University, Mangalore, February 16-17, 2016.
9. Intra-Regional Disparities pertaining to female literacy in Uttar Pradesh, Forth UGIT International conference on “Remote Sensing and GIS Applications on Coastal Management”, held at University College, Mangalore University, Mangalore, February 16-17, 2016.

10. Estimation and modelling of spatiotemporal variability of precipitation in the Upper Teesta Valley using Geostatistical Methods, Fifth International Conference on “Future Earth Perspective in South Asia”, held at Department of Geography, Bharathidasan University, Tiruchirappalli, February 5-7, 2016.
11. Spatio-dynamics incongruities of slum population in India, Fifth International Conference on “Future Earth Perspective in South Asia”, held at Department of Geography, Bharathidasan University, Tiruchirappalli, February 5-7, 2016.
12. Mapping diversity and distribution of Odonata Species in Northeast India using GIS Tools, Fifth International Conference on “Future Earth Perspective in South Asia”, held at Department of Geography, Bharathidasan University, Tiruchirappalli, February 5-7, 2016.
13. Explorative study of extreme stream-flow with a concurrence to climatic inconsistency in Upper Teesta River Basin, India, Fifth International Conference on “Future Earth Perspective in South Asia”, held at Department of Geography, Bharathidasan University, Tiruchirappalli, February 5-7, 2016.
14. Mangrove mapping and predictive future spatial dynamics of mangrove of Muthupet Region, Tamilnadu, International conference on “Mangrove and climate change”, held at School of earth and atmospheric science, University of Madras from 16 -18 July 2015.

National Conferences

1. Estimation of spatio-temporal climatic variability using Remote Sensing and Geographic Information System: a case study of Tso-Moriri Wetland, India, 40th Indian Geography Congress (NAGI) on “Climate Variability, Vulnerability and Resource Management Strategies for Sustainable Development, and Geospatial Technology”, held at Department of Geography, Rajiv Gandhi University, October 29-31, 2018.
2. Assessing the suitability of land for agriculture: a GIS-based study for Thirumanimuthar sub basin, 40th Indian Geography Congress (NAGI) on “Climate Variability, Vulnerability and Resource Management Strategies for Sustainable Development, and Geospatial Technology”, held at Department of Geography, Rajiv Gandhi University, October 29-31, 2018.
3. Simulating soil erosion and sediment yield by RUSLE model based on Geospatial Techniques of tropical Mountainous river basin in Western Ghats, India, National Conference on “Making Cities Resilient: Post Habitat III”, held at Department of Geography, Shaheed Bhagat Singh College, University of Delhi, February 3-4, 2017.
4. The role of sanitation facilities in transforming Urban India: case study of Meerut City, National Conference on “Making Cities Resilient: Post Habitat III”, held at Department of Geography, Shaheed Bhagat Singh College, University of Delhi, February 3-4, 2017.
5. Geo-hydrological inferences through morphometric aspects of the Himalayan glacial-fed river: a case study of the Madhyamaheshwar River Basin, 39th Indian Geography Congress (NAGI) on “Future Cities, Sustainable Development and Geospatial Technology”, held at Department of Geography, Osmania University, December 5-7, 2017.
6. Prospective of stakeholders, governance and required coordination on environmental issues in NCT, Delhi, 38th Indian Geography Congress (NAGI) on “Sustainable Development, Environmental Vulnerability and Geospatial Technology”, held at Department of Studies in Geography, University of Mysore, December 26-28, 2016.
7. Rainfall Modelling and simulation of Flow Hydraulics for Teesta River Basin, 37th Indian Geography Congress (NAGI) on “Tourism, Resources, Environment and Development

using GIS and Remote Sensing Techniques”, held at Department of Geography, University of Jammu, December 2-4, 2015.

8. Demographic characteristics analysis in context to Spatial Distribution and Growth Pattern of population in Pusa Block, Samastipur district, India, 37th Indian Geography Congress (NAGI) on “Tourism, Resources, Environment and Development using GIS and Remote Sensing Techniques”, held at Department of Geography, University of Jammu, December 2-4, 2015.
9. Estimation of Spatiotemporal Variability of Temperature in Upper Teesta River Basin, India, 37th Indian Geography Congress (NAGI) on “Tourism, Resources, Environment and Development using GIS and Remote Sensing Techniques”, held at Department of Geography, University of Jammu, December 2-4, 2015.
10. Trend of Alcoholism among Tribal Groups: A Socio-Cultural Approach Towards Global Problem, 37th Indian Geography Congress (NAGI) on “Tourism, Resources, Environment and Development using GIS and Remote Sensing Techniques”, held at Department of Geography, University of Jammu, December 2-4, 2015.
11. An Overview of Open Source and Proprietary Softwares for Advance Geographic Analysis and Modelling, National Conference on “Application of Remote Sensing, GIS and GPS Technologies”, held at School of Earth and Atmospheric Sciences, Madurai Kamaraj University, Madurai, December 17-18, 2015
12. Water Scarcity induced Change in Vegetation cover along Krishna River Catchment, India, National Seminar on “Climate Change and Environment Sustainability”, held at Bharathi Women’s College, Chennai, December 10, 2014.
13. Grid-based Hydrological Model Calibration and Execution by gSWAT Application, 35th Indian Geography Congress (NAGI) on “Sustainability Environment and Society”, held at Department of Geography, University of Madras, December 12-14, 2013.
14. Climate Change Impacts on Water Availability in Krishna River Basin. 35th Indian Geography Congress (NAGI) on “Sustainability Environment and Society”, held at Department of Geography, University of Madras, December 12-14, 2013.

Workshops

1. **International** Workshop on GIS and Spatial Modelling, **University of Salzburg, Austria and University of Madras.**
2. **National** Workshop on Western Ghats biodiversity using FOSS Software, **Indian Institute of Science**, Bengaluru, India.
3. **National** Workshop on research methodology in social sciences and humanities: exploring interdisciplinary perspectives, **Banaras Hindu University**, Varanasi.

Professional Trainings

1. Training on Mentha acreage forecasting of Bareilly district, Uttar Pradesh Remote Sensing Application Centre, Lucknow
2. Lower Ganga Canal (LGC) delineation using Geospatial data, Uttar Pradesh Remote Sensing Application Centre, Lucknow

3. Zaid Crop Estimation using LISS III imagery with PCI Geomatica, Uttar Pradesh Remote Sensing Application Centre, Lucknow
4. Training on GIS and Remote Sensing application for Rural Development, Uttar Pradesh Remote Sensing Application Centre, Lucknow
5. Training on Satellite Image Processing with MATLAB, Corona Spatial Technology, Chennai

Awards & Distinctions

1. University Grants Commission-Junior Research Fellowship (JRF) in Geography, (NET-Dec 2014)
2. Department of Science & Technology (DST) PURSE Research Fellowship, Government of India, (Dec 2014)

Public Service/ University Service/ Consulting Activity

Professional Societies Memberships

- Life Member of National Association of Geographers of India (NAGI)

Projects (Major Grants / Collaborations)

Other Details

Technical Skills

GIS Software	ArcGIS, QGIS, Idrisi Selva, OpenJump,
DIP Software	Erdas Imagine, PCI Geomatica, Idrisi Selva, MATLAB
Statistical Software	SPSS, PAST, Origin Pro, MS Excel
Operating System	Windows, Mac, Linux (Ubuntu)