



Dr. S.N. MOHAPATRA

Professor

Dr. S.N.Mohapatra (born June 1964), obtained his B.Sc. with Honours in Geology (first class first) from Ranchi University in 1984. Subsequently he completed his M.Sc. in Geology in 1987 (first in merit), MSc. Tech in Mineral Exploration in 1988 (first in merit), M.Phil in Geology (1990) and Ph.D. (1998) from Vikram University Ujjain, Madhya Pradesh. He spent two years initially JSA and then one year as SRF in Defence Terrain Research Laboratory DTRL DRDO, Ministry of Defence India. He joined Jiwaji University as lecturer in School of Studies in Earth Science in January 1994. He became a Reader in 2004, Associate Professor in 2007 and subsequently Professor from 2010. He went for an international training in Remote Sensing and GIS from GDTA, Toulouse, France (2000). Dr S N Mohapatra, has been awarded the prestigious Commonwealth Academic Staff Fellowship (2011-12) and completed his post doctoral research land surface phenology and its relationship with climatic variability of Madhya Pradesh at the University of Southampton, UK, and was also a member of the Indo-UK Terrestrial Carbon Group, IUTCG. He visited Milwaukee, Wisconsin, USA in 2012 and presented his research work in an International Conference, Phonology 2012. He has been involved in collaborative research on various geosciences issues using geo-spatial techniques with leading universities and institutes in India (DTRL (DRDO), Delhi, IIT Kharagpur, JNU New Delhi, RTM University, Nagpur) and also in UK, France and Belgium. His current research is focused on environmental impact of open-cast coal mining, land resources evaluation, changing urban environment, land degradation mapping and characterization, landslide hazard zonation, water resource assessment studies, derivation of land surface phenology using time series satellite data and climate change studies etc. He has completed research projects funded by UGC and M.P Council of Science and Technology, Bhopal. He has been awarded certificate of merit by Institution of Engineers India (2001). Dr. Mohapatra has published several papers in National and International Journals and has edited one book Geoinformatics for Natural Resource Management published by Nova Science Publishers New York (with P.K.Joshi, Padmini Pani and T.P.Singh) in 2009. Five of his research students have been awarded Ph.D. and six students are presently working under his supervision. Presently he heads the School of Studies in Earth Science and Centre of Remote Sensing and GIS. Dr. Mohapatra is presently on the reviewer panel for a number of research journals.

Selected Publications

1. (2015) Semi-automatic delineation of badlands using contrast in vegetation activity :a case study in the lower Chambal valley, India, Geocarto International (Springer) DOI : 10.1080/10106049.2015.1004130 (with V.Ranga, A. Van Rompaey, J. Poesen & P.Pani)
2. (2014) Rapid Urban Expansion and Its Implications on Geomorphology: A Remote Sensing and GIS Based Study. Geography Journal Volume 2014, Article ID 361459, 10 pages, Hindawi Publishing Corporation <http://dx.doi.org/10.1155/2014/361459> (with Padmini Pani & Monika Sharma) ISSN: 2314-4203 (Print)/ 2314-4211 (Online)
3. (2012) Quantitative Morphometric Analysis of Bilrai Watershed, Shivpuri District, Madhya Pradesh using Remote Sensing and GIS. *Journal of Geomatics*, 6 (2) :104-108 (with Devi Dayal Sinha & Padmini Pani)

4. (2012) Mapping and assessment of Groundwater potential in Bilrai Watershed (Shivpuri district, M.P.) – A Geomatics approach. *Journal of Indian Society of Remote Sensing*, 40 (4): 649-668 (with Devi Dayal Sinha & Padmini Pani)
5. (2012) Criteria-based approach to suggest alternative road network in part of Ladakh province through object based modelling: a GIS and remote sensing method *Journal of Environmental Research and Development*. 7 (1): 88-98. (With S. Matin and M.D. Behera)
6. (2011) 'Land Degradation and Livelihoods in Semiarid India: A Study of Farmers' Perceptions in Chambal Valley', *Asian Profile*, 39 (5): 505-519. (with Padmini Pani and D K Mishra)
7. (2011) Mapping and Assessment of Land Degradation Using NDVI Techniques in a Part of Chambal Valley, *Indian Journal of Landscape Systems and Ecological Studies*, 34 (2): 155-160 (with Padmini Pani).
8. (2011) A study on information extraction and assessment of spatial distribution of overburden dumps in a coal mining area using remote sensing and GIS techniques. *International Journal of Earth Sciences and Engineering*, 4 (03): 98-10. (With Parmita Bose and Padmini Pani)
9. (2009) Watershed delineation and flow accumulation calculation using Shuttle Radar Topographic Mission (SRTM) data. *Journal of Environmental Research and Development* . 4 (2): 554- 558. (With Parmita Bose and Padmini Pani)
10. (2008) A comparative study of the spectral response curves and the assessment of different land use and land cover features in a part of Sunderban area, West Bengal, using Geoinformatics. *International Journal of Information Technology and Knowledge Management*, 1 (2): 219- 216. (With Parmita Bose, M.D. Behera and Padmini Pani)

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