

Faculty Profile



Name: Dr. Sunita Singh

Designation: Assistant Professor
Department of Geography
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Qualification: M.A., Ph.D. in Geography, P.G. Diploma & M.Sc. in Remote Sensing & GIS.

Experience:

Position : Post Doctoral Fellow (Women) U.G.C, Department of Geography, BHU.
Assistant Professor (RS & GIS) RGSC, BHU.

Areas of Interest: Physical Geography, Remote Sensing, Agricultural Geography

Courses Taught: P.G.Diploma in Remote Sensing & GIS, B.A., M.A. (Geography)

Publications:

Papers Published

1. Sunita Singh, 2008. "Soil Survey and Land Evaluation of Mohanrao watershed using Remote Sensing and GIS" published in Uttar Bharat Bhoogol Patrika Dec. 2008 Vol. 38, No.4, ISSN: 0042-1618.
2. Sunita Singh, 2009. "Hazardous Waste Management in India" paper published in 'Prajna', B.H.U., Varanasi. Vol.55, No.2, pp.164, ISSN: 0554-9884.
3. Sunita Singh, 2009. "Agricultural Modernization in Rohtas District, Bihar" published in 'National Geographer', Department of Geography, University of Allahabad, Allahabad. Vol. XLIV, No. 1+2, pp. 29-34, ISSN: 0470-0929.
4. Sunita Singh, 2009. "Village level planning through high resolution data", in 'National Geographer' Journal Department of Geography, Vol. XLIV, No. 1+2, pp. 29-34, ISSN: 0470-0929.

5. Sunita Singh, 2011 “Land Resource Utilization for Agriculture in Rohtas District Bihar” published in ‘National Geographical Journal of India’, Department of Geography BHU, Varanasi, Vol. 57, No. 2, pp. 81-86, ISSN: 0027-9374.
6. Sunita Singh, 2012. “Land Suitability Evaluation and Land use Planning Using Remote Sensing Data and Geographic Information System Techniques”, in International Journal of Geology Earth and Environmental Science, 2012 Vol. 2, No.1, January-April, pp1-6. ISSN: 2277-2081 (Online)
7. Sunita Singh, 2012. “Agricultural Productivity and Agricultural Intensity in Rohtas District, Bihar”, in International Journal of Engineering Research & Technology (IJERT) Vol. 1 Issue 9, pp.1-11 ISSN: 2278-0181(online)
8. Sunita Singh, 2014. “Land Irrigability Classification for Mohanrao Watershed using Remote Sensing & GIS”, in International Journal of Remote Sensing & GIS, Vol. 3, Issue 1, pp. 21-27. ISSN: 2277-9051.
9. Rai, P.K., Singh, S. and Mohan, K. 2015. Land Use Change Detection Using Multi- Temporal Satellite Data: A Case Study of Haridwar District, Uttarakhand, Journal of Scientific Research, Faculty of Science, Banaras Hindu University, Vol.59,Issue (1 & 2), pp.1-16. (ISSN No. 0447-9483).
10. K.N.P.Raju, P.K.Rai, K.Mohan, S.Singh, A.K.Srivastava, 2015, “Master Plan of a Campus: Challenges and a way through Remote Sensing and GIS in Asian Journal of Geoinformatics, Vol. 15, No. 4, pp 1-10, ISSN: 1513-6728.
11. Sunita Singh, 2016, “Remote sensing applications in soil survey and mapping: A Review” International Journal of Geomatics and Geosciences” Vol. 7, No 2, pp. 192-203, ISSN: 0976 – 4380.
12. Sunita Singh, 2017,”Land Evaluation using Geospatial Technologies for Cropping System Analysis of Mohanrao Watershed” in Int. Journal of Advances in Remote Sensing and GIS, Vol. 5, No. 1, pp. 77-84, ISSN: 2277 – 9450.
13. Sunita Singh, 2017,” Applications of Geospatial Techniques in Crop Inventory: A Review” in International Journal of Research in Geography (IJRG) Volume 3, Issue 4, pp. 32-37, ISSN: 2454-8685.
14. Sunita Singh, Praveen Kumar Rai, 2018,”Application of Earth Observation data for estimation of changes in land trajectories in Varanasi District, India” in Journal of Landscape Ecology, Vol. 11, No. 1,PP 5-18. ISSN: 1803-2427 and on-line ISSN 1805-4196.
15. Rajani Srivastava, Sunita Singh, 2018, “Remote Sensing for Ecology and Conservation: A Handbook of Techniques.” In Journal of Landscape Ecology, Vol. 11, No.1, pp.104-106, ISSN: 1803-2427 and on-line ISSN 1805-4196.
16. Sunita Singh 2018,”Mapping spatial urban growth and land use change using geoinformatics technique in Varanasi District, Uttar Pradesh, India” in Forum Geografic, Vol. XVIII, Issue 1, June, pp. 90-98 ISSN: 1583-1523 e ISSN: 2067-4635.

17. Sunita Singh 2018 “Identification of Groundwater Potential Zones through Spatial Information System of Varanasi District, U.P.” in Journal of GEOREVIEW: Scientific Annals of Stefan cel Mare University of Suceava. Geography Series. Vol. 27, No 1, pp.11-22, ISSN: 1583-1469.
18. Rajani Srivastava, Sunita Singh, 2020, ”Changes in Vegetation Cover Using GIS and Remote Sensing: A Case Study of South Campus BHU, Mirzapur, India” in Journal of Scientific Research, Volume 64, Issue 2, pp.135-141.

Book Published:

- Book published entitled, “Agricultural Development in Rohtas District, Bihar” in Pilgrim Press, New Delhi 2008.

Chapters Published:

- Sunita Singh, 2012, “Role of Remote Sensing in Higher Education” in book Multy Disciplinary Approach in Tourism, Environment, Geography, Ayurveda and Yoga’. Bharti Publications, Sector5 Vaishali, Ghaziabad.
- Sunita Singh, 2015, Professionalism in Geography and Remote Sensing with context to India” in book Multy disciplinary scenario of Professionalization of Education in India. Bharti Publications, Sector 5 Vaishali, Ghaziabad.

Conference Proceedings:

- Sunita Singh, 2012, ”Imaging Spectroscopy:A tool for Earth Resource Mapping.” in conference Spectroscopic signatures of molecular complexes/ions in our atmosphere and beyond”, Bharti Publications, Sector 5 Vaishali, Ghaziabad.
- Sunita Singh, 2013, ”Use of Remote sensing and GIS in agricultural crop mapping” in conference Agricultural education, research and extension in India. Poddar Publication, Tara Nagar Colony, Chittupur, Varanasi.
- Sunita Singh, 2015, ”Organic Farming in India: An Overview” in conference Impact of Organic Farming in Sustainable Development through Agriculture. Poddar Publication, Tara Nagar, Chittupur, BHU, Varanasi.