



## Shaheed Bhagat Singh Eve. College

(University of Delhi)

### Faculty Details Proforma



Title	Dr	First Name	Laishram Mirana	Last Name	Devi	Photograph
Designation	Assistant Professor					
Address	Shaheed Bhagat Singh Evening College					
Date of Birth	05-12-1983					
Phone No Office						
Mobile	9910100712					
Email	<a href="mailto:mirana.laishram@sbse.du.ac.in">mirana.laishram@sbse.du.ac.in</a>					
Web-Page						
<b>Educational Qualifications</b>						
Degree	Institution				Year	
Ph.d	Jamia Millia Islamia, Delhi				2013 (Awarded)	
P.G	University of Pune (DY.Patil College)				2005	
U. G	University of Delhi (Shaheed Bhagat Singh Evening College)				2003	
Any other Qualification	PG. Diploma in Computer Aided Cartography) Jamia Millia Islamia				2006	
<b>Career Profile</b>						
<ul style="list-style-type: none"><li>• Digital Cartographer in Infotech Pvt. Ltd (2006-2007)</li><li>• Research Fellow in UGC major project (Solid waste management using GIS and Remote Sensing) in Department of Geography Jamia Millia Islamia (2010-2013)</li><li>• Cartographer Assistant in Shaheed Bhagat Singh (Eve) College (2013-2014)</li><li>• Assistant Professor in Shaheed Bhagat Singh (Eve) College (2014-2022) Adhoc.</li><li>• Assistant Professor in Shaheed Bhagat Singh (Eve) College Permanent since June 2022.</li></ul>						
<b>Areas of Interest / Specialization</b>						
<ul style="list-style-type: none"><li>• Remote Sensing</li><li>• Digital Cartography</li><li>• Geographical Information System</li></ul>						

- Economic Geography
- Community Resources
- Disaster Management

### Papers Taught

- Physical Geography
- Cartography Techniques
- Remote Sensing
- Geographical information System
- Environment Geography
- Agriculture Geography
- Geography of India
- Tourism Geography
- Field Work in Geography Study
- Disaster Management
- Oceanography
- Geomorphology
- Thematic Cartography

### Research Guidance

#### NEP 4 years Research scholars (Dissertation)

Name of the Student	Research Title	Year of registration
Priyank Kumar Premi	Landslide Susceptibility Mapping and Human Vulnerability Assessment in Lakhoragad Watershed of Syaldey block, Almora District, Uttarakhand.	August, 2025
Sawan Kumar	Identification of Potential site for sustainable eco-tourism and to contribute in local economy growth and for Poverty alleviation in Lakhoragad Watershed, Uttarakhand using Geospatial techniques.	August, 2025
Somil Chilana	To identify Vulnerability Index in flood prone area in Hanumangarh.	August, 2025

### Publications Profile

#### Books

<b>Title</b>	<b>ISBN/Publisher /Link</b>	<b>Indexed Scops etc, if any</b>	<b>Year</b>
Impact of Migration on Mountain Region: A Comparative Study	Research India Press, New Delhi		978-93-5171-061-5

**Research Publications**

<b>Article Name</b>	<b>Publication Type (UGC Care/ Scopus/ Web of science etc)</b>	<b>Journal Name</b>	<b>ISSN No</b>	<b>Volume</b>	<b>Year</b>	<b>URL</b>	<b>DOI</b>
Multi-Temporal Annual Soil Loss Risk Mapping Employing Revised Universal Soil Loss Equation (RUSLE) Model in Nun Nadi Watershed	Springer	Arabian Journal of Geosciences	1866-7511	6	2013		<a href="https://doi.org/10.1007/s12517-012-0661-z">https://doi.org/10.1007/s12517-012-0661-z</a>
Soil loss prediction and prioritization based on Revised Universal Soil Loss Estimation (RUSLE) model using geospatial technique.	Scopus	International Journal of Environmental Protection (IJEP)	2224-7777	2	2012	<a href="http://eprints.icrisat.ac.in/id/eprint/4337">http://eprints.icrisat.ac.in/id/eprint/4337</a>	
Landscape transformation analysis employing compound interest formula in the Nun Nadi Watershed, India	Elsevier	The Egyptian Journal of Remote Sensing and Space Sciences	1110-9823		2014		<a href="https://doi.org/10.1016/j.ejrs.2014.09.001">https://doi.org/10.1016/j.ejrs.2014.09.001</a>

Landuse /Land Cover Change Detection Analysis in Manipur, India.	Peer review	National Geographical Journal of India, Banaras Hindu University	0027-9374/2014/1523-1531	60	2014		
Health Status of Elderly in Haryana: A case Study of District Rohtak.	Peer Review	Global Journal of Multi Disciplinary Studies	2348- 0459	4	2015	<a href="https://www.semanticscholar.org/">https://www.semanticscholar.org/</a>	
Work Participation of Elderly in Haryana - A Case Study of District Rohtak.	Peer Review	International Research Journal of Social Sciences	2319– 3565	4(12)	2015		<a href="https://iscsca.in/IJSS/Archive/v4/i12/10.ISCA-IRJSS-2015-288.php">https://iscsca.in/IJSS/Archive/v4/i12/10.ISCA-IRJSS-2015-288.php</a>
Old Age Dependency in Haryana - A Case Study of District Rohtak.	Peer Review	International Journal of Society and Humanities	2319-2070	7/2015	2015	<a href="https://www.isca.in/">https://www.isca.in/</a>	
The Participation of Local Communities and NGOs: A Step towards Sustainable Development in Garhwal Himalaya	Peer Review	World Focus, Environment Sustainable Development Emerging Challenges			2017		
Eco- Environmental Vulnerability Evaluation in Pasol ad Watershed of Garhwal Himalaya, India.	Peer Review	The Horizon, A journal of social Sciences	2/2018	IX	2018		
Climate change and natural resource management in mountain regions: A case study of Garhwal Himalaya	Peer Review	The Horizon, A journal of social Sciences		X	2019		
Farmer Vulnerability to Agricultural Risks in the Indian Central Himalayan Region	Peer Review	ENVIS Bulletin Himalayan Ecology	2455-6815	27	2020	<a href="https://airs.org.in">https://airs.org.in</a>	
Identification of potential forest plantation sites for sustainable planning in Pasol gad watershed using geospatial based analytical hierarchical process	Peer Review	ENVIS Bulletin Himalayan Ecology	2455-6815	29	2021	<a href="https://airs.org.in">https://airs.org.in</a>	

<b>Chapters in Edited Books.</b>							
<b>Article Name</b>		<b>Publisher and details</b>		<b>ISBN</b>		<b>Year</b>	
Altered Environments: Landuse Landcover change due to Construction of teesta Low Dam Project IV at Kalijhora West Bengal		Management of natural Resources for sustainable development challenges and opportunities, Mizoram.		978-93-82880-95-0		2014	
Mapping of common property resources (CPRS) and assessment of its impact on rural economy: A case study of Wangjing Village in Manipur.		Environment, Resource and Regional Development.		978-81-909022-8-1		2014	
Corporate Social Responsibility and Sustainability: A Case Study of Naugura Watershed in Garhwal Himalaya, Uttarakhand, India.		Climate Change and Socio-Ecological Transformation”, Today and Tomorrow’s Printers and Publishers, New Delhi.		81-7019-518-3		2015	
Corporate Social Responsibility and Sustainability: A Case Study of Naugura Watershed in Garhwal Himalaya, Uttarakhand, India.		The use of Remote Sensing and GIS for Managing Forest Plantation and Watershed Conservation in Pasolgad Watershed in Pauri Garhwal, Uttarakhand.		81-7019-518-3		2015	
Water Resource Management through Participation of communities, Social Workers and NGOs in Lesser Garhwal Himalaya.		Water Resources Potentiality, Vulnerability and Management, Indian Experiences, Edited by B.W, Pandey, Research India Press, New Delhi.		978-93-5171-095-0		2017	
Landuse Planning and Watershed Monitoring using GIS as tool for Sustainable Development in Pasolgad Watershed, Garhwal Himalaya, Uttarakhand.		Environmental Concerns and Sustainable Development in Himalaya, edited by B. W, Pandey et.al. (Eds), Research India Press, New Delhi.		978-93-5171-104-9		2017	
Assessment of Rainfall induced soil erosion: A case of Gambhar Watershed on Himalayan Mountain, Himachal Pradesh		Environmental Concerns and Sustainable Development in Himalaya, edited by B. W, Pandey et.al. (Eds), Research India Press, New Delhi.		978-93-5171-104-9		2017	

Impact of Urbanization and Changing Landuse Landcover on Agriculture Sector in NCT of Delhi	Chapter in Edited book, Whither Sustainable Development Studies in Planning and Management of Land and Water Resources.		2017
Site suitability Analysis for Identifying Potential Water Harvesting sites in Lachigad Watershed, Uttarakhand.	Natural Resource Management for Sustainable Development and Rural Livelihoods, edited by V P Sati and K.C. Lalmalsawmzauva (Eds.) Volume –I, Today and tomorrow’s Printers and Publishers, New Delhi.	1-55528-434-5	2017
Monitoring Urban Expansion of Thoubal, Manipur.	Sustainable Smart Cities in India, Challenges and Future Perspectives, Editors: Poonam Sharma, Swati Rajput , Springer.	978-3-319-47145-7	2017
<b>E-Contents</b>			
<b>Details</b>	<b>Title</b>	<b>Year</b>	
UGC - e-PG Pathshala – Inlibnet <a href="http://epgp.inflibnet.ac.in/ahl.php?csrno=17">http://epgp.inflibnet.ac.in/ahl.php?csrno=17</a>	Inter basin water transfer- study of the Interlinking of River Projects, India.	2017	
UGC - e-PG Pathshala – Inlibnet <a href="http://epgp.inflibnet.ac.in/ahl.php?csrno=17">http://epgp.inflibnet.ac.in/ahl.php?csrno=17</a>	Problems of floods and droughts	2018	
UGC - e-PG Pathshala – Inlibnet <a href="http://epgp.inflibnet.ac.in/ahl.php?csrno=17">http://epgp.inflibnet.ac.in/ahl.php?csrno=17</a>	Principles of Watershed Management.	2018	
Uttarakhand Open University <a href="https://www.uou.ac.in/progdetail?pid=BSCG-21">https://www.uou.ac.in/progdetail?pid=BSCG-21</a>	Agriculture in Asia	2016	
<b>E- Lecture</b>			
<a href="https://www.youtube.com/watch?v=jsNt3F1erCQ">https://www.youtube.com/watch?v=jsNt3F1erCQ</a>	Inter basin water transfer- study of the Interlinking of River Projects, India.	2017	
<a href="https://www.youtube.com/watch?time_continue=83&amp;v=37jgKfYdlmc">https://www.youtube.com/watch?time_continue=83&amp;v=37jgKfYdlmc</a>	Impact of anthropogenic interventions in surface water storage systems.	2017	
<a href="https://www.youtube.com/watch?time_continue=1&amp;v=Ah8_Z6HkS6I">https://www.youtube.com/watch?time_continue=1&amp;v=Ah8_Z6HkS6I</a>	Management of Chemical & Industrial Disasters in India.	2018	

<a href="https://www.youtube.com/watch?time_continue=363&amp;v=i8B6jbcF5mk">https://www.youtube.com/watch?time_continue=363&amp;v=i8B6jbcF5mk</a>	Management of Radiological, Nuclear and Biological Disasters.	2018
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**Resource Person / Invited Speaker/ Chair Person**

- Delivered a lecture on “Spatial Analysis in GIS, Data Models, Coordinate systems and their utility in mapping.” For PGDC (TPP) Students, NPTI. Faridabad, 29<sup>th</sup> May and 6<sup>th</sup> June 2013.
- Delivered a lecture on “Remote sensing and GIS” in Two days workshop for the RS/GIS/GPS, DST Sponsored awareness Programme in PG. Department of Geography, Magadh University, Bodh Gaya, 27-28 November 2014
- Delivered a lecture on “Open-source GIS” in DST Sponsored Training Programme on Geospatial Technology under NRDMS organised by the Department of Geography, Jamia Millia Islamia, new Delhi, 13 and 14 June 2015.
- Delivered a lecture on “Digitization and Data capturing” in the “GIS and GPS training programme for Landuse and Climate Change Studies with special reference to Western Himalaya” (Innovation Project) in Shaheed Bhagat Singh Evening College (6th October 2016),
- Resource Person in Geospatial Workshop organized by Department of Geography, Jamia Millia Islamia in sponsor by DST on “Open-source GIS: QGIS and SAGA”. 28th ,29th ,30th ,31th December 2016 and 2nd ,3rd ,4th ,6th January 2017.
- Resource Person in Two –day’s Workshop for the Remote sensing/GIS/GPS awareness programme, Sponsor by DST on ‘Digital Image Processing and GIS’ at National Power Training Institute, Faridabad (NPTI) (15th and 16th February 2017).
- Resource Person in Two –day’s Workshop for the Remote sensing/GIS/GPS awareness programme, Sponsor by DST on “UTM Projection System, Remote Sensing, Application of Remote Sensing and GIS and Open-source GIS”. At Sant. John College, Agra (21th February 2017)
- Delivered a lecture on “Application of Remote Sensing in Climate Change Study” in Refresher Course in Climate Change at UGC-HRD Centre, Jamia Millia Islamia, New Delhi (8th March 2017)
- Delivered an invited lectures-cum-practical exercises on Open-Source GIS (Summer School in Geospatial Technologies for Watershed Management under NRDMS in DST - Level 2), Department of Geography, Faculty of Science, Jamia Millia Islamia, New Delhi (24th and 25th June, 2019)
- Delivered an invited lectured on the use of Geospatial Techniques in Water Resource Management for a Workshop organized by the Department of Geography Avadh Girls Degree College, University of Lucknow (4th and 5th September 2019)
- Delivered an invited lectures-cum-practical exercises on Urban Planning using Geospatial

Technologies (Winter School in Geospatial Technologies under NRDMS in DST - Level 2), Department of Geography, Faculty of Science, Aligarh Muslim University, Aligarh (6th December 2019)

- Delivered a lectured on “Client server Architecture and its Applications” in one week workshop on Geographic Information System using Open-source software organized by Department of Geography, Jammu University, Jammu on 23.2.23.
- Delivered a lectured on “Digital representation of Geographical Data” in one week workshop on Geographic Information System using Open-source software organized by Department of Geography, Jammu University, Jammu on 24.2.23.
- Co-Chair in a Technical session: XIX- Impacts of the Built Environment & UHIs on 07.11.2025 in 6th Asian Conference on Geography on Climate Change, Urbanization and Sustainable Resource Management in Asian Countries, November 6-8, 2025, Organized by Department of Geography, Faculty of Sciences Jamia Millia Islamia, New Delhi, (India) in collaboration with The Asian Geographical Association (AGA) Beijing, China.

### Research Projects

- Measuring the Habitat Vulnerability and its Impact on Health Status using Geo-Spatial Analysis: A Study of Delhi Slum Dwellers (**Sponsored by Shaheed Bhagat Singh Evening College - University of Delhi**). **Project code: RICGP/OO19/SBSE/2021**. (December, 2021)
- Sustainable development strategy to strengthen the tribal inhabitants through indigenous practices in Jaunsar-Bawar belt of Uttarakhand: A case study of Bawar area (Sponsor by ICSSR). (March, 2023).