

Doon University, Dehradun

Curriculum Vitae

Name : Dr. Devendra Singh Parihar

Designation : Assistant Professor

Department/Centre : Global South Centre for Urban Studies

Contact Information

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SCOPUS ID : <https://www.scopus.com/authid/detail.uri?authorId=59670481000>

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

Areas of Interest

Application of Geo-Informatics in Urban Studies; Urbanization: Mapping and Monitoring; Spatio-Temporal Changes; Urbanization in Hilly Region; Solid Waste; Environmental Impacts; Urban Hydrology; Urban Disasters; Tourism; Risk Assessment; Sustainable Urban Development.

Educational Qualification

Degree	University	Subjects	Year
M.A.	Kumaun University	Geography	2015
M.Sc.	Uttarakhand Open University	Geo-Informatics	2023
Ph.D.	Kumaun University	Spatio-Temporal Change of Snow and Vegetation Cover In Gori Ganga Watershed, Kumaun Himalaya by Using Remote Sensing and GIS Techniques Sodh Ganga Link: https://shodhganga.inflibnet.ac.in/handle/10603/521442	2021
USET	Kumaun University	Geography	2017

Professional Membership

Types of Membership	Duration	Organization/Journals
Life Time Member	From 2022	Rohelkhand Geographical Journal of India
Founder Member	From 2023	Geographical Society of Uttarakhand
Annual Member	15 May 2026 to 31 August 2027	ESRI India GACI (GIS Academia Council of India)

Work Experience

Position	Department	University/Organization	Year
Fire Watcher Cum GIS Expert (Master Control Room)	Forest Division Almora	Uttarakhand Forest Department	01 February to 30 April 2021
Programme Officer	National Service Scheme (NSS)	DSB Campus, Nainital	29 March 2023 to 30-09-2024
Assistant Professor (C)	Geography	Kumaun University Nainital	25 August 2022 to 01 Sept. 2026

Invited/Interdepartmental Lecture

1. Participated in a one-day Seminar on ***“Climate Change: Special Focus on Himalayan Environment”*** on 31 March 2023 and **Delivered an Invited Lecture** on ***“Detailed Study on Spatio-Temporal Changes due to Impact of Global Warming in a Himalayan Watershed”*** Organized by Uttarakhand Centre for Climate Change (UCCC) Soban Singh Jeena University, Campus, Almora and USERC Department of Science and Technology, Government of Uttarakhand.
1. Conducted **Plane-Tabling (Traverse Method, Two Points and Three Point Problem)** practical classes (8 Lectures) of B.Sc. 6th Semester students of Department of Forestry and Environmental Science, DSB Campus, Kumaun University Nainital on 29 May to 02 June 2023.
2. Conducted 1 Semester course ***“Classes on Geo-Informatics and Nanotechnology and Precision Farming”*** B.Sc. 5th Sem, Department of Agriculture, July-Dec 2025 Session, DSB Campus, Kumaun University Nainital.

Session Chair in Conferences/Seminar

S. N.	Name Conferences/Seminars/ Webinars	Session/Theme/Chair Position	Date and organized by
1	6 th International Conference on Cutting-Edge Solutions in Science-Agriculture, Technology, Engineering and Humanities (CSATEH-2024)	Technical/Poster/Rapporteur	24-26 Aug 2024 Jointly organized by Dept. of Geography, Kumaun University, Nainital

Administrative Responsibilities

S.N.	Position/Committee	Nature of responsibility	University/Organization	Duration
1	Programme Officer	National Service Scheme (NSS)	DSB Campus	29-03-2023 to 30-09-2024
2	Tour In-charge (Organize 8 Tours)	UG and PG (Socio-Economic Surveying)	Dept. of Geography DSB Campus	2022, 2023, 2024, 2025, 2026
3	Convocation	Robbing Committee Venue: Chemistry Lecture Hall	DSB Campus	2023, 2024, 2025
4	Team Leading	PhD Data from 2016-2020 (5 Year) Preparations as per UGC Guideline and Presentation at UGC Head Quarter, New Delhi	RDC KU	08 July to 30 Aug 2024
5	Convocation- 2024, 2025	Research Degree Preparations, checking and corrections	RDC KU	22 Nov to 08 Dec 2024 Aug, Oct & Nov-2025
6	Central Evaluation Committee	Tabulator	DSB Campus	Dec 2024 to Jan 2025
7	NEP Syllabus Preparation	Common Minimum Syllabus for	Kumaun	2025

	Committee	Uttarakhand State (Universities and Colleges) UG and PG Programme	University	
8	Admission Committee NEP Under Graduation (UG)	Counseling (2025-26), Member (2026-27) for New Student Admission	DSB Campus	Session 2025-26, 2026-27
9	Member Admission Committee- NEP Post Graduation (PG)	Merit List, Document Verification, Admission	Dept. of Geography DSB Campus	Session 2025-26, 2026-27
10	Time Table (UG, PG, PhD)	Member		Session 2025-26, 2026-27
11	Practical Examinations and Internal Assessment (UG, PG and Pre PhD Course Work)	Member		Session 2025-26, 2026-27
12	Maintenance- Lab, Class Room, Seminar Hall, Faculty Chambers	Member		Session 2025-26, 2026-27

Other Academic Position Holding

S.N.	Name	Association	Starting to End
1	State Director of Uttarakhand https://gfsrd.net/india_states/uttarakhand/	Global Forum for Sustainable Rural Development (GFSRD), West Bengal, India (ISO- 9001-2015 Certified)	18 Feb 2024 to Present
2	Assistant Editors (https://www.geojournal.net/board)	International Journal of Geography, Geology and Environment published by AkiNik Publications, Rohini, Delhi, India.	1 March 2024 to Present

Short Term Courses (MOOCS- Massive Open Online Courses)

S.N.	Course Name	Duration	University/Organization
1	Spatial Data Science: The New Frontier in Analytics	6 Week (23 Feb to 5 April, 2020)	ESRI Training
2	Cartography	6 Week (22 April to 4 June, 2020)	ESRI Training
3	The Location Advantage	6 Week (6 May to 18 June, 2020)	ESRI Training
4	Global Disaster Risk Reduction and Management Pathway	29 June to 20 July 2021	Humanitarian Leadership Academy
5	Climate Change: Understand, Reflect, Empathize and Act	20 March to 13 April 2023	UNESCO Mahatma Gandhi Institute of Education for Peace and Sustainable Development
6	Imagery in Action	16 Sep to 26 Oct, 2023	ESRI Training

Training Programme

S.N.	Programme Name	Duration	University/Organization
1	Teaching Global Climate Change in Your Class Room	45 Hour (April 15 to June 4, 2020)	National Geographic Society
2	Overview of Planetary Geosciences with Special to the Moon and Mars	5 Days (8 to 12 June 2020)	Indian Institute of Remote Sensing (IIRS)
3	GIS Training Program Using Q-	21 Days (13 July	School of Earth Science, Central University of

	GIS	to 2 Aug 2020)	Karnataka and State Institute of Urban Development Karnataka
4	School of Climate Change-2021	9 Week (15 Jan to 23 March 2021)	Oxford Climate Society, Under School of Climate Change Team Alexis Mcgovern, Laura Warmuth, Yvonne Chart, Mia Clement, Maisie Kemp and Marco Panariello
5	NEP 2020 Orientation and Sensitization Programme	10 Days (26/02/2024 to 06/03/2024)	Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by UGC-Malaviya Mission Teacher Training Centre, Kumaun University, Nainital (Uttarakhand)
6	Glaciers and Glacial Lakes Observations for Sustainable Water Resource Management	01-week (24 Feb 2025 to 01/03/2025)	Centre for Cryosphere & Climate Change Studies (C4S) National Institute of Hydrology, Roorkee
7	11 th Comprehensive course on Disaster Risk Management	5 to 16 January 2026	National Institute of Disaster Management

Faculty Development Programmes

S.N.	Programme Name	Duration	University/Organization
1	Open-Source GIS software: Q-GIS	1 Week (online) 12 to 18 May, 2020	Institute of Advance Studies in Education, Rajasthan and Swami Shraddhanand College, University of Delhi, Delhi
2	Advancements in Science and Its Application in Engineering	1-week (22 to 26 June 2020)	Hyderabad Institute of Technology & Management
3	Faculty Development Programme in R Programming	5 Day (15-19 June 2020)	Uttarakhand Science Education and Research Centre, Department of Information and Science Technology, Govt. of Uttarakhand with IIT Mumbai

Publications

a) Research Papers

Authors name	Title of the paper	Journal, Vol., Page No.	Year
M. Rawat and D.S. Parihar	Climate change and agroecosystem pest dynamics: a critical narrative review of impacts on insect pests, their natural enemies, and implications for crop protection	Uttar Pradesh Journal of Zoology, 47(16), 29–50	2026
Nirmit Sah, D.S. Parihar , Rajeev Upadhyay and Rashi Miglani	Trace Element Chemistry of the Major Lakes in and around Nainital City, Kumaun Lesser Himalaya, Uttarakhand	International Journal of Life Sciences, 14(4), 156-163	2025
Mahendra Singh, Sana Rafi, Ashutosh Singh and D.S. Parihar	GIS integrated approach for drainage morphometric assessment of Upper Kosi Watershed, Uttarakhand, India	Indian Journal of Environmental Protection, 45 (11): 1049-1060	2025
Naveen Ram, D.S. Parihar , Sarika Verma, Jitendra K. Lohani and Rajnish Pande	Financial Literacy and Inclusion among Unorganised Sector Workers: A Case Study of Nainital Town, Uttarakhand	International Journal of Research Publication and Reviews, 6(6), 4581-4591	2025
Mahendra Singh, D.S. Parihar , Sana Rafi and Deepak	Geographical Indication (GI) Tag and Uttarakhand State: an Overview	International Journal of Current Advanced Research, 13(10), 3306-3315	2024
Deepak, Mahendra Singh and D.S. Parihar	Sustainable Development Goals and Environmental Sustainability: A Study from Uttarakhand, India	Global Journal of Current Research, 11(4), 95-101	2024
S. Aneja, S. Kalakoti, and D.S. Parihar	Urgent Need of Plastic Waste Management: A Review	Research Review International Journal of Multidisciplinary, 9(9), 114–124	2024

Meera Rawat and D.S. Parihar	Land Use Change and Its Impact on Terrestrial Biodiversity of Surrounding areas of Jim Corbett National Park	Current World Environment, 19 (2): 964-977	2024
S. Kalakoti and D.S. Parihar	Challenges and Urgent Need of Solid Waste Management in Rudrapur City, US Nagar Uttarakhand	International Journal of Management and Development Studies13(7), 39-45	2024
डी0एस0 परिहार	हिमालयी क्षेत्र में वैश्विक तापन को अधिक प्रभावकारित बनाने वाले प्रतिकूल मानवजनित गतिविधियाँ	International Journal of Geography, Geology and Environment, Vol. 6 (1), pp. 361-370	2024
Nirmit Sah, D.S. Parihar and Rajeev Upadhyay	Heavy Metal Contamination in Kumaun Lakes, Lesser Himalaya, India: Impact on Water Quality and Environmental Health	RESEARCH REVIEW International Journal of Multidisciplinary, Vol. 9 (5), pp. 37-45	2024
सुरेन्द्र सिंह एवं डी0एस0 परिहार	कुमाऊँ हिमालय के जनपद बागेश्वर में बढ़ते होम स्टे पर्यटन का स्थानीय आर्थिक विकास में योगदान	Journal of Acharaya Narendra Dev Research Institute Vol-33, 102-111	2023
Sunil Kalakoti and D.S. Parihar	Assessment of Women Labour Participation in Urban Areas of Uttarakhand	Shodh Samagam, Vol. 06, Issue-03, pp. 990-998	2023
कैलाश चन्द्र, पी0सी0 चन्याल, डी0एस0 परिहार , बबीता नेगी	पौड़ी गढ़वाल जनपद (गढ़वाल मण्डल) के विकासखण्ड जयहरीखाल में ग्रामीण जनसंख्या हास एवं वाह्य प्रवास पर एक भौगोलिक अध्ययन	International Journal Of Multidisciplinary Educational Research, Vol.12, Issue-5 (4), pp. 72-90	2023
कैलाश चन्द्र, पी0सी0 चन्याल, डी0एस0 परिहार , पुष्कर सिंह	हिमालयी राज्य उत्तराखण्ड के पौड़ी गढ़वाल जनपद में ग्रामीण जनसंख्या हास का अध्ययन	Shodh Samagam, Vol.6, Issue-2, pp. 521-532	2023
M. Singh, J.S. Rawat, D.S. Parihar and Deepak	Current Scenario of Geographical Indications (GIs) in Uttarakhand State, India	EPRA International Journal of Agriculture and Rural Economic Research, Vol. 11, Issue-3, pp. 1-6	2023
D.S. Parihar and Deepak	Rural Tourism Development in Tehsil Munsyari, Kumaun Higher Himalaya	The Deccan Geographer, Vol. 60 (1 and 2), pp. 61-69	2022
D.S. Parihar , C. Arya, M. Singh and Deepak	Impact of Adverse Anthropogenic Activities in Disaster Events of the Himalayan Watershed	The Rohilkhand Geographical Journal of India, A refereed Research Journal of National Association of Geography (NAGI), Vol. XXXII, pp. 63-74	2022
D.S. Parihar and R.J. Pandey	Study of Drastic Disaster Events between 2010-2020 in District Pithoragarh by Using Remote Sensing and GIS Applications	International Journal of Research in Engineering and Science, Vol-10, Issue-7, pp. 146-157	2022
M. Singh, D.S. Parihar and Deepak	Assessment of traditional water source natural springs of a Lesser Himalayan town Almora, Uttarakhand	International Journal for Innovative Research in Multidisciplinary Field, Vol-8, Issue-6, pp. 123-128	2022
M. Singh, J.S. Rawat, D.S. Parihar and N.C. Pant	Impact of climate change in irrigation systems in a Central Himalayan watershed, Uttarakhand, India	International Journal of Current Research, Vol-14, Issue-5, pp. 21547-21551	2022
M. Singh, D.S. Parihar , C. Arya and Deepak	Analysis of Disaster events in District Almora, Kumaun Himalaya, Uttarakhand	International Journal of Applied Research, Vol-8, Issue-5, pp. 98-106	2022
C. Arya, M. Singh, D.S. Parihar and Deepak	Forest fire disaster events in Himalayan state Uttarakhand: An analytical study	International Journal of Applied Research, Vol-8, Issue-3, pp. 295-300	2022
D.S. Parihar , M. Singh, S. Singh and C. P. Singh	Water Resources and Management in Gori Ganga Watershed, Kumaun Himalaya by Using Remote Sensing and GIS	International Journal of Research and Review (IJRR), Vol-8, Issue-12, pp. 281-292	2021
M. Singh, J.S. Rawat, D.S. Parihar	Analysis of Water Quality Status of the Upper Kosi River of Central Himalaya, India	International Journal of Science and Research (IJSR), Vol-10, Issue-11, pp. 1262-1266	2021
D.S. Parihar , J.S. Rawat,	Spatio-Temporal Change of Vegetation Line	International Journal of Trend in	2021

M. Singh, N.C. Pant	in the Gori Ganga Watershed, Kumaun Himalaya by Using Remote Sensing and GIS Techniques	Scientific Research and Development (IJTSRD), Vol-6, Issue-1, pp. 409-416	
M. Singh, D.S. Parihar and Deepak	Water Quality Assessment of Natural Springs of Town Almora, Kumaun Himalaya, Uttarakhand	Journal of Indian Water Works Association, Vol- LIII, No. 4, pp. 256-263	2021
D.S. Parihar	Vegetation Line Delineations Using NDVI Techniques in the Gori Ganga Watershed of Kumaun Himalaya, Uttarakhand	International Journal of Climate and Resource Economic Review, Vol-9, Issue-5, pp. 1-7	2021
D.S. Parihar and Deepak	LULC Classifications Using GIS and Remote Sensing Techniques in Gori Ganga Watershed of Kumaun Himalaya, Uttarakhand	International Journal of Agriculture and Rural Economic Research, Vol-9, Issue-8, pp. 1-9	2021
D.S. Parihar , J.S. Rawat and Deepak	Adverse Anthropogenic Impacts in Yarsa-Gambu and Alpine Region in the Gori Ganga Watershed Kumaun Himalaya	International Journal of Geo-Informatics and Geological Science, Vol-8, Issue-2, pp. 26-36	2021
D.S. Parihar ,	Sub-Watershed Prioritization Based on Stream Ordering Analysis Using RS and GIS of the Gori Ganga Watershed Kumaun Himalaya	International Journal of Trend in Scientific Research and Development, Vol-5, Issue-5, pp. 83-92	2021
D.S. Parihar ,	Sub-watershed Prioritization Based on LULC Classifications of the Gori Ganga Watershed Kumaun Himalaya Using GIS and RS Techniques	International Journal of Agriculture and Rural Economic Research, Vol-9, Issue-7, pp. 1-10	2021
D.S. Parihar ,	Timber Line Delineations Using NDVI Techniques in the Gori Ganga Watershed of Kumaun Himalaya, Uttarakhand	Journal of Research in Environmental and Earth Sciences, Vol-7, Issue-4, pp. 40-45	2021
D.S. Parihar ,	Dynamics of Timberline Due to Spatio-Temporal Changes Using GIS and RS in the Gori Ganga Watershed, Kumaun Himalaya, Uttarakhand	International Journal of Geo-informatics and Geological Science, Vol-8, Issue-1, pp. 42-47	2021
D.S. Parihar , and J.S. Rawat	Spatio-Temporal Change in Snow Cover Area Using Rs & GIS In the Gori Ganga Watershed, Kumaun Himalaya	International Journal Advance Research, Vol-9, Issue-3, pp. 30-34	2021
D.S. Parihar , and J.S. Rawat	Study of Flood and Landslide Disasters Events during Summer Monsoon 2013 in the Gori Ganga Watershed: Kumaun Himalaya, Uttarakhand	Dogo Rangsang Research Journal, Vol-11, Issue-3 (2), pp. 170-181	2021
D.S. Parihar	Need of River Rejuvenation in India	International Journal of Advance Research, Vol-9, Issue-2, pp. 346-353	2021
D.S. Parihar	Due to Global Warming: Snow Line Dynamics in the Gori Ganga Watershed, Kumaun Himalaya by using RS and GIS	International Journal of Ecology and Environmental Sciences, Vol-3, Issue-1, pp. 226-233	2021
D.S. Parihar	IUCN Red Listed Caterpillar Fungus Effected by Overharvesting on Gori Ganga Watershed	International Journal of Creative Research Thoughts, Vol-9, Issue-1, pp. 2491-2499	2021
D.S. Parihar , Deepak	Seasonal Migration of Bhotiya Tribes in Tehsil Munsyari	Drishtikon Journal, Vol-12, Issue-6, pp. 1430-1439	2020
D.S. Parihar , Deepak	Effort for Globalization in Tourism and Positive Impact: Perspective of Almora District	Drishtikon Journal, Vol-12, Issue-3, pp. 1366-1375	2020
D.S. Parihar , M.K. Tamta, Deepak	Detailed Study of Agriculture and types of land in Higher Himalayan Region: A Case study of Tehsil Munsyari	International Research Journal of Management Sociology and Humanity, Vol-11, Issue-1, pp. 127-138	2020
D.S. Parihar , Deepak	Detailed Study of Settlement types and Pattern in Higher Himalayan Tehsil Munsyari	The Rohilkhand Geographical Journal of India, A refereed	2019

	from Uttarakhand State	Research Journal of National Association of Geography (NAGI) Vol. XXV, DEC 2018 and Vol. XXVI, pp. 49-66	
K.S. Rana, D.S. Parihar	Disaster Study during Monsoon Year 2013: A Case Study in Tehsil Dharchula	International Journal of Innovative Knowledge Concepts, Vol-6, Issue-10, pp. 149-157	2018
D.S. Parihar ,	Study of Forest Resources in Uttarakhand: A Case Study from Tehsil Dharchula	International Journal of Innovative Knowledge Concepts, Vol-6, Issue-10, pp. 139-148	2018
D.S. Parihar , J.S. Rawat	Economic Environment of Schedule Tribes in Uttarakhand: A case study from Tehsil Munsyari	International Journal of Innovative Knowledge Concepts, Vol-6, Issue-5, pp. 239-246	2018
D.S. Parihar , K.S. Rana, Deepak, M.K. Tamta	Cultural Study of Schedule Tribes in Tehsil Munsyari, Uttarakhand	International Research Journal of Multidisciplinary Studies, Vol-4, Issue-5, pp. 1-12	2018
D.S. Parihar , K.S. Rana, Deepak	Geographical Study of Schedule Tribes in Higher Himalaya: A case study from Tehsil Munsyari	Printing Area International Research Journal, Vol-05, Issue-40, pp. 177-182	2018

b) Books

Authors name	Title of the book	Publisher	ISBN	Year
D.S. Parihar	Application of GIS and Remote Sensing in Landscape Ecological Changes: Implications and Projections	Neel Kamal Prakashan, Shahdara, Delhi	978-93-93248-43-5	2022

c) Book chapters

Authors name	Title of the Chapter	Title of the book	Publisher	ISBN	Year
S. Kumar and D.S. Parihar	Preliminary Field Observation on Impact of Urban Growth on Ground Water in Agra City by Using Geo-Informatics Applications	Urban Waterscapes. Sustainable Development Goals Series	Springer, Cham	https://doi.org/10.1007/978-3-032-20649-7_9	2026
D.S. Parihar and N. Sah	Spatio-Temporal Changes in Snow, Vegetation and Wood Lines in a Central Himalayan Watershed	Biotechnology Innovations for a Sustainable Future	Springer, Singapore, 1917-1938	https://doi.org/10.1007/978-981-97-9859-9_93	2026
D.S. Parihar	Impact of Flash Flood Events and Risk Mapping Through Geospatial Techniques in the Gori Ganga Watershed	Geoinformatics for Flood Risk Management (Applications and Strategies)	Taylor & Francis CRC Press, 406-426	https://doi.org/10.1201/9781003533511-25	2025
D.S. Parihar	Monitoring Snow Cover and Glacially Impounded Lakes in the Uttarakhand Himalayan Watershed Gori Ganga by Using Geospatial Applications	Remote Sensing for Environmental Monitoring	Springer, Singapore, 33-49	https://doi.org/10.1007/978-981-96-5546-5_2	2025
D.S. Parihar , Mahendra Singh, and Deepak	Preliminary Field Observation on Spatio-Temporal Changes on Rajma Crop and Citrus Fruit Cultivation Areas in the Himalayan Watershed Using Interactive Geo-Informatics Technique	Climate Change Impact on Himalayan Biodiversity. Environmental Science and Engineering	Springer, Cham, 161–177	https://doi.org/10.1007/978-3-031-77149-1_7	2025
डी०एस० परिहार	पारंपरिक ज्ञान पर आधारित उत्तराखंड में आपदा प्रबंधन	कुमाऊँ हिमालय की लोक परम्परा एवं स्थानीय अर्थव्यवस्था	Indu Book Services	978-93-6729-320-1	2025
D.S. Parihar , K.	Impact of urbanization and climate	Socio-Economic	R K Books	978-81-	2025

S. Rana and Deepak	change: conservation priorities for the Himalayan environment	Implications of Disasters in India-Issues and Solutions		97343-14-8	
D.S. Parihar , Deepak, Hukkam Singh	Sustainable Livelihoods through Agriculture	Sustainable livelihoods: Agriculture, Tourism, Cultural Economy and Women in Uttarakhand	ABS Books	978-81-19708-71-0	2023
D.S. Parihar , Mahendra Singh and Neeraj Kumar	मध्य हिमालयी राज्य उत्तराखण्ड में सांस्कृतिक विविधता व पारिस्थितिकी पर्यटन में अंतर्संबंध	उत्तराखण्ड संस्कृति एवं पर्यटन	NB Publications	978-93-91550-23-3	2023
M. Singh, D.S. Parihar and N. Kumar	Pilgrimage Tourism in the Holy Land of Rudraprayag District, Central Himalaya	Culture and Tourism of Uttarakhand	Kunal Books	978-93-91651-36-3	2023
N. Kumar, D.S. Parihar and M. Singh	हिमालयी राज्य में कोविड-19 के बाद यात्रा, पर्यटन और आतिथ्य उद्योग	उत्तराखण्ड संस्कृति एवं पर्यटन	NB Publications	978-93-91550-23-3	2023
D.S. Parihar , Deepak, M. Singh, C.S. Kathayat, S. Kalakoti, S. Singh and N. Kumar	Women Role in Tourism Development	Women Empowerment in Uttarakhand	Kunal Books	978-93-95651-99-8	2023
D.S. Parihar	Impacts, Challenges and Opportunities in Tourism Industries Due to COVID-19 Pandemic in Himalayan State Uttarakhand, India	Management Challenges and Opportunities during and after Pandemic Situations	Vandana Publications	978-93-90728-58-9	2022
D.S. Parihar	A Review on Century of Global Warming Impacts as a Global Issue in the Kumaun Himalaya, India	Contemporary Issues in Business and Economics Vol-1	Red Shine Publication	978-1-387-65048-4	2022
डी०एस० परिहार	कोविड-19 का प्रभाव व आत्मनिर्भर भारत अभियान	आत्मनिर्भर भारत बहुआयाम	Kunal Book Publication	978-93-89224-78-8	2021

d) Conference Publications/Proceedings

Authors name	Title of the paper	Conference name	Year
Mahendra Singh and D.S. Parihar	Migration: Cause, Pattern and Effect in the Himalayan State Uttarakhand, India Vandana Publications, pp. 11-28, ISBN-978-93-90728-51-0	Reverse Migration: An Effort to Rebloom the Villages in the Wake of the Pandemic	2021
D. S. Parihar , K.S. Rana, M. Singh, A. Vishwakarma, Deepak	Study of Tourism and Scope of Tourism Development in Uttarakhand: A Case study in District Pithoragarh. Jagdamba Publishing Company, pp. 143-151, ISBN- 978-93-85437-25-0	उत्तराखण्ड में पर्यटन के विविध आयाम: अवसर एवं चुनौतिया	2020

Conference Presentations

Title of presentation	Conference name	Name of the institution	Year
Landslide Occurrences Associated with Natural and Man-Induced Factors in Dhauli Ganga East Watershed, Central Himalaya	Geodynamic Evolution of Himalaya: Crustal Architecture, Climate, Resources and Disaster (GEH- 2025)	Department of Geology, KU Nainital and GSI, Bangluru India	2025
Need of Plastic Waste Management	Solid Waste Management: Developmental Strategies for Sustainable Environment	DAV Centenary College, Faridabad, Haryana	2024
Challenges and Urgent need of solid waste management in Rudrapur Town, US Nagar Uttarakhand	Solid Waste Management: Developmental Strategies for Sustainable Environment	DAV Centenary College, Faridabad, Haryana	2024
Assessment of Women Labour Participation in Urban Area of Uttarakhand	Social and Economic Status of Women in Uttarakhand	Department of Sociology and Economics, Govt. P.G. Collage, Berinag (Pithoragarh)	2023
Detailed Study on Spatio-Temporal Changes due to Impact of Global Warming in a Himalayan Watershed	Climate Change: Special Focus on Himalayan Environment	Uttarakhand Centre for Climate Change (UCCC) Soban Singh Jeena University, Campus, Almora	2023
सामाजिक आर्थिक विकास पर होम स्टे पर्यटन की प्रभावशीलता: बागेश्वर जनपद (कुमाऊँ हिमालय) के संदर्भ में	Homestay Tourism & Sustainable Development in the Indian Himalayan Region: Prospects & Challenges	Faculty of commerce, Kumaun University Nainital	2023
जनपद पिथौरागढ़ के हिमालयी क्षेत्र में जलवायु परिवर्तन को प्रभावित करने वाले प्रतिकूल मानव जनित गतिविधिया	भारतीय हिमालयी पर्यावरण को प्रभावित करने वाले कारक एवं प्रबंधन	Govind Ballabh Pant National Institute of Himalayan Environment	2022
Migration: Cause, Pattern and Effect in the Himalayan State Uttarakhand, India	Reverse Migration: An Effort to Rebloom the Villages in the Wake of the Pandemic	Government PG Collage (Bageswar) and Government Degree Collage Tyuni (Dehradun)	2021
Analysis of Water Quality Status of the Upper Kosi River of Central Himalaya, India	Environment, Population and Sustainable Development	Deccan Geographical Society of India (DGSI) at Geographical Studies Aryabhatta Knowledge University, Patna	2021
Spatio-Temporal Change in a Himalayan Watershed Using Remote Sensing and GIS	Geomorphology and Environmental Sustainability	Indian Institute of Geomorphologists (IGI) at Department of Geography, University of Allahabad, Prayagraj	2021
Applications of GIS and Remote Sensing in Geomorphologic studies: A Case Study from the Upper Kosi Watershed in Uttarakhand	Geomorphology and Environmental Sustainability	Indian Institute of Geomorphologists (IGI) at Department of Geography, University of Allahabad, Prayagraj	2021
Impact of Urban Sprawl in Waste Disposal and Actions Required to Manage in Almora Town of Kumaun Himalaya	Climate Change, Disasters and Sustainable Livelihood	Deccan Geographical Society of India (DGSI) at Department of Geography, University of Allahabad, Prayagraj	2020
Impact of Climate Change Triggered by Adverse Anthropogenic Activity in Alpine	Climate Change, Environmental Health and Sustainable Development	University School of Environment Management Guru Gobind Singh	2020

Region of Gori Ganga Watershed, Kumaun Himalaya	Goals in Post COVID-19 World	Indraprastha University	
Impact on Environment by COVID-19: Update and Awareness	Impact of Covid-19 on Biodiversity and Environment: A Boon or Curse	Department of Chemistry, Rayat Bahra University	2020
Global Influence on the Culture of Gori Ganga Watershed Higher Himalaya Uttarakhand	Indian Culture and Its Global Influence	Department of History, Kumaun University, S.S.J. Campus, Almora	2019
Effect of Globalization in Tourism of Uttarakhand Higher Himalayan Tehsil Dharchula	Socio-Economic and Environmental Dimensions of Globalization: Issue, Opportunities and Challenges	Department of Commerce, Govt. Post Graduate Collage, Ramnagar (Nainital), Uttarakhand	2019
Study on Effect of Globalization on Gori Ganga Watershed Higher Himalayan Region of Uttarakhand	Socio-Economic and Environmental Dimensions of Globalization: Issue, Opportunities and Challenges	Department of Commerce, Govt. Post Graduate Collage, Ramnagar (Nainital), Uttarakhand	2019
Study on Rural Tourism as a Source of Economic Development in Uttarakhand: A Case Study from Tehsil Munsyari	Tourism, Economic Growth and Women Empowerment: Understanding the linkages, Challenges and destinations	Swami Vivekanand Govt. Post Graduate Collage, Lohaghat	2019
Adverse Anthropogenic Impacts in Yarsa-Gambu Harm in Higher Himalaya: A Case Study from the Gori Ganga Watershed	Global Economy, Sustainable Tourism and Climate Change	Deccan Geographical Society of India (DGSI) at Department of Geography, University of Rajasthan, Jaipur	2019
Regional Cultural Study in Higher Himalaya: A Comparison Study from Tehsil Munsyari and Dharchula	Indian History: A Regional Perspective	Department of History and UGC-Human Resource Development Centre Kumaun University, Nainital	2019
Study of Disaster Events in Tehsil Munsyari in Higher Himalayan region of Uttarakhand	Geomorphology, Environment and Society	Indian Institute of Geomorphologists (IGI) at Department of Geography, Jamia Millia Islamia, New Delhi	2018
Study of Disaster Events in Tehsil Dharchula in Higher Himalayas, Uttarakhand	Geomorphology, Environment and Society	Indian Institute of Geomorphologists (IGI) at Department of Geography, Jamia Millia Islamia, New Delhi	2018
Study of Flood and Landslide Disasters, During Summer Monsoon 2013 in the Gori Ganga Watershed in Higher Himalaya	Environment Resources and Development of the Indian Himalaya	Department of Geography HNB Garhwal, Central University, Srinagar Garhwal, Uttarakhand	2018
Ganga: Life line of Northern Indian from a Geographical Perspective	Environment Resources and Development of the Indian Himalaya	Department of Geography HNB Garhwal, Central University, Srinagar Garhwal, Uttarakhand	2018
Landslide in Gori Ganga Watershed Area, Tehsil Munsyari	Landslides	Department of Geology, L.S.M. Govt. P.G. Collage Pithoragarh	2018

Poster Presentation in International/National Conferences

Title of presentation	Conference name	Name of the institution	Year
Impact of Climate Change Triggered by Adverse Anthropogenic Activity in Alpine Region of Gori Ganga Watershed, Kumaun Himalaya	Climate Change, Environmental Health and Sustainable Development Goals in Post COVID-19 World	University School of Environment Management Guru Gobind Singh Indraprastha University	2020
Impact on Environment by COVID-	Impact of Covid-19 on	Department of Chemistry,	2020

19: Update and Awareness	Biodiversity and Environment: A Boon or Curse	Rayat Bahra University	
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Workshop Attended and Paper Presented

Workshop Name	Presentation Title	Organizer	Days	Year
Landslides	Landslide in Gori Ganga Watershed Area Tehsil Munsyari	Department of Geology, L.S.M. Govt. P.G. College Pithoragarh	03	2018
Remote Sensing for Himalayan Cryosphere: Recent Advances & Challenges	-	Institute of Indian Remote Sensing (IIRS) Dehradun	01	2020
Environment and Wildlife of Rajasthan: Challenges in Conservation" (IWEWRCC-2020)	-	Shri Shradhha Nath PG College Todi Jhunjhunu (Rajasthan)	01	2020
'#Zero Waste	-	DAV College Bathinda Central University and Indian National Young Academy of Sciences New Delhi	03	2020
Data and Data Acquisition Techniques	-	Department of Geography, S.S.J. Campus Almora	03	2020
Implications of Environment Impact Assessment 2020	-	Department of Economics, Malabar Christian College Calicut Kerala	01	2020
GIS Career Counseling Session		SWASTIK EDUSTART– Geospatial Training Institute, New Delhi	01	
Global Seismology and Tectonics (IVWGST 2021)	-	CSIR North East Institute of Science and Technology Jorhat Assam India	10	2021
भारतीय हिमालयी पर्यावरण को प्रभावित करने वाले कारक व प्रबंधन	जनपद पिथौरागढ़ के हिमालयी क्षेत्र में जलवायु परिवर्तन को प्रभावित करने वाले प्रतिकूल मानव जनित गतिविधिया	Govind Ballabh Pant National Institute of Himalayan Environment	02	2022
Global Seismology and Tectonics (IVWGST 2022)	-	Geoscience and Technology Division, CSIR North East Institute of Science and Technology Jorhat Assam India	10	2022
Reducing Risk and Building Resilience Capacity Building in the Mountain States	-	National Institute of Disaster Management (NIDM) and Dr. R.S. Tolia Uttarakhand Academy of Administration	02	2022
Advanced multivariate statistical analysis in water quality assessment and management of Kumaun region of Uttarakhand	-	Uttarakhand state council for science and technology (UCOST) Dehradun, Uttarakhand Council for Biotechnology (UCB) Haldi (U S Nagar) DAV (PG) College Dehradun and Uttarakhand Open University Haldwani	02	2024
Safe Hill Area Practices	-	Disaster Management Cell, Dr. R. S. Tolia Uttarakhand	02	2026

		Academy of Administration Nainital		
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Teaching details at Global South Centre for Urban Studies, Doon University

Name of the course/paper	Class / Semester	Year
Studio (Urban Resource Lab- GIS)	M.Sc. / 1 Semester	Sep 2026 onwards
Sustainable Water and Flood Management	M.Sc. / 1 Semester	Sep 2026 onwards
Smart City and Urban Digital Transformation	M.Sc. / 3 Semester	Sep 2026 onwards

Work for Universities

1. **Exam Paper Setter:** SSJU, Almora; Kumaun University, Nainital; SPU Mandi, Himanchal Pradesh.
2. **External Practical Examiner:** Uttarakhand Open University, Haldwani.
3. **Internal Examiner:** Kumaun University, Nainital.
4. **Central Evaluation Work (Team Member & Evaluator):** Kumaun University, Nainital.
5. Field Survey for Evaluation Amrit Sarovar from 23 June to 09 July, 2026 in Almora, Bageswar and Pithoragarh District, Kumaun Himalaya, Uttarakhand using GPS and Questionnaire (Uttarakhand Government Project in Kumaun University, Nainital).

Supervising & Co-supervising (UG & PG) in Geography (Kumaun University)

Course	Name	Title	Year	Subject
UG NEP (4 Credit)	Tanuja Lobiya	Analytical Study on Changes in Socio Economic Dimensions: A Case Study of Bhimtal Town	2024-25	5-6 Sem
	Tamanna Rathore	Analytical Study on Status of Tourism in Nainital Town: Before, During and Post Covid-19 Pandemic	2024-25	5-6 Sem
	Iram Raza	Tourism in Nainital and its dynamics Since 2000 to 2025	2024-25	5-6 Sem
PG (6 Credit)	Lipakshi Tripathi	Primary Field Assessment of Urban Flood due to Rapid Urban Encroachment on Streams and Canals in the Haldwani City, Uttarakhand	2025 (Dec)	1 Sem
		Analysing Environmental Co-Occurrences in Urban Health in Haldwani City from 1990-2025 by using Geo-Spatial Techniques	2026 (June)	2 Sem
	Ayushi Biswas	Impact of Urban Growth on Solid Waste Management in Bhimtal Town, Nainital District, Uttarakhand	2025 (Dec)	1 Sem
		Geo-Spatial Analysis of Urban Growth in Bhimtal Town, Nainital District, Uttarakhand	2026 (June)	2 Sem

Co-supervising to Students (Other-University)

Course	Name	Title	Year	Subject	University
B. Tech. (4 Credit)	Sunil Kumar (8 th Sem)	Impact of Urbanization on Groundwater and Urban Water Balance for the City of Agra, India by Using Geospatial Technology	2024	Civil Engineering	Dayalbagh Educational Institute Agra (UP)

Field Work/Photography/Mapping by using GPS and Geospatial Application

1. **2018 (18 to 25 May): Eastern Dhauli Ganga Watershed**, Kumaun Himalaya, Uttarakhand.
GPS, Landslide, Flash Flood, Mass Wasting and Haphazard Road Development sites, Impact of Disasters and Geomorphological changes.
2. **2018 (9 to 19 October): Gori Ganga Watershed**, Kumaun Himalaya, Uttarakhand.
GPS, DSLR-200D, Landslide, Cloudburst, Flash Flood, Mass Wasting and Haphazard Road Development sites, Impact of Disasters and Geomorphological changes.
3. **2019 (6 to 21 May, 4 to 20 December): Gori Ganga Watershed**, Kumaun Himalaya, Uttarakhand.

GPS, DSLR-200D, Milam Glacier, Gonkha Glacier, Glaciers Lakes, Snow line, Vegetation Line, Timber line, Citrus Fruit and Rajma Crop Cultivation Village Surveying, Charthi Bugyal, Chhipla Kedar Bugyal, Thalba Bugyal, Landslide sites, Flash Flood sites, Haphazard Road Development sites, Anthropogenic Pressure in Bugyals.

4. **2022 (10 to 20 March): Gori Ganga and Eastern Dhauli Ganga Watershed**, Kumaun Himalaya, Uttarakhand.
GPS, DSLR-200D, Landslide, Cloudburst, Flash Flood, Mass Wasting and Haphazard Road Development sites, Impact of Disasters, Niyoli Glaciar, Panchachuli Alpine area and Geomorphological changes.
5. **2023 (31 April to 6 May): Gori Ganga Watershed**, Kumaun Himalaya, Uttarakhand.
GPS, DSLR-200D, Geo Tagging, Citrus Fruit and Rajma Crop Cultivation Village Surveying

Work for Society

1. **Assam Times Post:** <https://assamtimespost.in/?p=96110>
2. **Hindustan**
<https://www.livehindustan.com/uttarakhand/story-there-is-no-sound-of-disaster-is-there-experts-worried-about-this-after-research-on-gori-ganga-valley-river-7732553.html>
<https://www.livehindustan.com/uttarakhand/story-77-new-lakes-formed-in-uttarakhand-due-to-melting-of-glacier-experts-are-worried-about-this-7834478.html>
3. **Down to Earth**
<https://hindi.downtoearth.org.in/climate-change/more-than-70-glacier-lakes-formed-in-the-himalayan-region-increasing-the-risk-of-flash-floods-88026>
4. **Times of India**
<https://timesofindia.indiatimes.com/city/dehradun/77-new-glacial-lakes-add-to-kumaon-flood-risk/articleshow/98347815.cms>
<https://twitter.com/UttarakhandTOI/status/1631154306589282306> (Twitter Handle)
<https://timesofindia.indiatimes.com/city/dehradun/how-himalayas-snowline-from-gori-ganga-to-everest-is-retreating-upslope-causing-treeline-to-shift-upwards/articleshow/126586697.cms>
5. **SANDARP (South Asia Network on Dams, Rivers and People)**
<https://sandrp.in/2023/03/06/drp-nb-060323-indias-regulators-blind-to-increasing-threats-in-himalayas/>
6. **Aaj Tak**
<https://www.aajtak.in/science/story/glacial-lakes-outburst-is-danger-to-kumaun-region-of-uttarakhand-tstr-1647549-2023-03-02>
7. **News1Hindustan**
<http://news1hindustan.com/danger-77-lakes-formed-due-to-melting-of-glacier-in-uttarakhand-floods-can-create-havoc-in-this-district/>
8. **Rajya Sameeksha**
<https://www.rajyasameeksha.com/uttarakhand/25497-77-lakes-formed-due-to-melting-of-glacier-in-pithoragarh-uttarakhand>
9. **Uttarakhand Talk:** <https://youtu.be/rFDHunHCA8M>
10. **Dainik Jaagran**
<https://www.jagran.com/uttarakhand/nainital-global-warming-impact-in-high-himalayan-region-77-lakes-formed-due-to-glacier-melting-in-uttarakhand-23346000.html>
<https://www.jagran.com/uttarakhand/nainital-glaciers-are-melting-due-to-emission-of-greenhouse-gases-77-lakes-formed-23392930.html>
<https://www.jagran.com/news/nepal-flood-77-new-lakes-have-formed-in-the-high-himalayan-region-due-to-the-melting-of-glaciers-40354736.html?app=true>
11. **Nav Bharat Times:** Delhi Edition (2 March 2023), Mumbai and Lucknow Edition (3 March 2023)
<https://navbharattimes.indiatimes.com/state/uttarakhand/dehradun/glaciers-melting-creating-news-glacial-lakes-in-uttarakhand-latest-news-update/articleshow/98369644.cms>
12. **SBR News:** <https://www.sbrgroups.org/2026/08/uttarakhand-glacier-melting-77-new-lakes-high-himalayan-region.html>
13. **Rastriya Prastavana:** <https://www.rashtriyaprastavana.com/uttarakhand-glacier-lakes-77-new-lakes-pithoragarh-glof-risk/>
14. **SA News MP:** <https://www.instagram.com/p/DclMtHQKzOT/>
15. **Nationwire News:** <https://www.instagram.com/p/Dckxc6SIAYi/>



Signature of the faculty member