



Faculty Details Proforma



Title	DR.	First Name	SANTOSH	Last Name	KUMAR	Photograph
Designation		Assistant Professor				
Address		Department of Geography, Shaheed Bhagat Singh College (University of Delhi), Sheikh Sarai Phase- II (Triveni), New Delhi-110017 (INDIA).				
Date of Birth						
Phone No Office		011-29250306				
Mobile						
Email		santoshkumar@sbs.du.ac.in skpkaimur@gmail.com				
Web-Page		NA				
Educational Qualifications						
Degree		Institution				Year
Ph.D.		Department of Geography, Delhi School of Economics, University of Delhi.				2021
M.Phil		Department of Geography, Delhi School of Economics, University of Delhi.				2013
M.Sc. Geography		Department of Geography, NOU, Patna				2009
M.Sc. Zoology		Department of Zoology, Science College Campus, Patna University, Patna				2004
B.Sc. Hons. Zoology		Sardar Vallabhbhai Patel College, Bhabua (Kaimur)				2000
Career Profile						
Assistant Professor		Department of Geography, Shaheed Bhagat Singh College (University of Delhi),				29/03/2023 till date
Assistant Professor (Ad-hoc)		Department of Geography, Shaheed Bhagat Singh College (University of Delhi),				04/01/2016 – 28/03/2023
Assistant Professor (Guest)		Department of Geography, Shaheed Bhagat Singh College (University of Delhi),				July 2015
Assistant Professor (Guest)		July, 2014 in Department of Geography, Dr. Bhim Rao Ambedkar College (University of Delhi), Main Wazirabad Road Yamuna Vihar Delhi-110094.				July 2014
Areas of Interest / Specialization						
Environmental Problems and Policies, Climate Change, Glacial Study, Remote Sensing & GIS and Geography of Religion.						

Papers Taught			
Field Work and Research Methodology, Fundamentals of Remote Sensing, Fundamentals of GIS, Digital Cartography, Climatology, Regional Geography of India Environmental Geography & Climate Change Vulnerability and Mitigation.			
Research Guidance			
PhD scholars			
Under Supervision	Submitted	Awarded	
NA	NA	NA	
M.Phil Scholars			
Under Supervision	Submitted	Awarded	
NA	NA	NA	
M.A. Dissertations			
Under Supervision		Awarded	
NA		1	
Publications Profile			
Books			
Title	ISBN/Publisher/L ink	Indexed Scopus etc if any	Year
Impact of Climate Change on Himalayan Glacier	ISBN:978-93- 5212-4565/ Doyan Publication, D-17, First Floor, Abdul Fazal Enclave, Jamia Nagar, New Delhi-25		2016
Research Publications			

Article Name	Publication Type (UGC Care/Scopus/ Web of science etc)	Journal Name	ISSN No	Volume	Year	URL	DOI
Analyzing the spatial relationship between land surface temperature and normalized difference vegetation index using remote sensing and GIS	Scopus	Discover Geoscience	ISSN: 2948-1589	Volume- 3, Article no.- 65	2025	https://link.springer.com/article/10.1007/s44288-025-00167-w	https://doi.org/10.1007/s44288-025-00167-w
Systematic Review of Machine Learning Applications in Sustainable Agriculture: Insights on Soil Health and Crop	Scopus	Phyton-International Journal of Experimental Botany	ISSN: 0031-9457	Volume 94, Issue 5	2025	https://www.science-direct.com/org/science/article/pii/S0031945725000772	https://doi.org/10.32604/phyton.2025.063927

Improvement							
Investigating the Dynamics of Urban Heat Islands in Response to Vegetative Cover and Land Use Land Cover Changes in Chandigarh	UGC Care	Annals of the National Association of Geographers, India	ISSN: 0970-972X	Vol. 44, No. 2,	2024	https://www.printspublications.com/journal/article/annals-of-the-national-association-of-geographers-india---a-ugccare-listed-journal/3708?	DOI : https://doi.org/10.32381/ATNAGI.2024.44.02.12
Spatio-Temporal Analysis of Snow Cover Change in the Kumaun Himalayan Region, Uttarakhand,	Peer Review	Indian Journal of Spatial Science Summer Issue	EISSN: 2249 – 4316, ISSN: 2249 - 3921	13(2)	2023	https://www.researchgate.net/publication/370061060_3Anju_corrected	Spatio-Temporal Analysis of Snow Cover Change in the Kumaun Himalay

India							an Region, Uttarakh and, India
Long term climate change assessment during 1907- 2015 in the Kumaun Himalaya region, Uttarakhand	Scopus	Sustaini ng Himalay an Environ ment and Future Earth	ISSN: 2320- 5199 (Online)	49	2022	https://www.researchgate.net/publication/366164233	https://DOI:10.55863/ijees.2023.2625
Memoriam: R.B. Singh - Father of Modern Indian Geography	Scopus	Sustaini ng Himalay an Environ ment and Future Earth	ISSN: 2320- 5199 (Online)	49	2022	https://www.researchgate.net/publication/366160885	DOI:10.55863/ijees.2023.2779
Land Use Land Cover Change Analysis using Geo-spatial Techniques in the Kumaun	Peer Review	Journal of Water and Land use Manage	ISSN: 0973- 9300	17(1)	2018		

Himalaya Region, Uttarakhand		ment published by MD Publication Private Limited, New Delhi					
Spatio-Temporal Inventory of Glaciers in Pindari region of Kumaun Himalaya, Uttarakhand	UGC Care	National Geographical Journal of India, National Geographical Society of India, BHU, Varanasi,	ISSN: 0027-9374	59	2013		https://nngji.in/index.php/nngji/article/view/666
Publications other than journal articles							
Title of Publication	Type of Publication	Publisher	Role in Publication	ISBN Number	Year	URL	Level
Unit-4 Human Dimensions of	IGNOU Study	Indira Gandhi	1 st		2025	http://egyankosh.ac.in	Master of

Natural Resource Management	material	National Open University, New Delhi	Author			n//handle/123456789/113867	Science in Geography (MSCGG) / Semester-IV/ MGGE-002 Natural Resources Management/ Block-1 Introduction to Natural Resources
Climate change in Pindari Region, Central Himalaya, India	Book Chapter	Edi. Book Climate Change, Glacier Response, and Vegetation Dynamics in	2 nd Author	ISBN 978-3-319-28975-5,	2016	https://link.springer.com/chapter/10.1007/978-3-319-28977-9_7	

		Himalaya Published by Springer International Publishing AG, Switzerland and					
Projects, Dissertation and Research experience							
<ul style="list-style-type: none"> • Research Assistant, “Development and Socio-economic Change in Indian Mega Region.” Funded by Ministry of Education, Culture, Sports, Science and Technology, Japan; conducted in December, 2014. • Secretary, Livelihood Security in Changing Socio-Economic Environment in Himachal Pradesh, India (2012 onwards) collaborated with University of Turku, Finland; Since Jan, 2014 to 15 April 2014. • Prepared M.A. Dissertation on “The Impact of Fluoride toxicity on the stomach of Rabbit” under the supervision of Dr. Arvind Kumar, University of Patna 2004. 							
International Outreach							
<ul style="list-style-type: none"> • Invited Lecture delivered on Influences of Climate Change in Kumaun Himalaya: A Case Study of Pindari Region in 2nd International Forum on Climate Change and Health Response under “THE BELT & ROAD INITIATIVE (BOT), CHINA organized by School of Public Health, Sun Yat-Sen University at The Asia International Hotel, No. 326 Huanshi East Road, Yuexiu District, Guangzhou, China during December 2-4, 2018. 							
Conference/ workshop Organized							
<u>Member of Organizing Committee in following conferences:</u>							
<ul style="list-style-type: none"> • International Conference (Hybrid) on Urban Development Missions, Restructuring of Spaces and Emergence of new Urbanism organized by International Coordination and Development Program, Shaheed Bhagat Singh College, University of Delhi, India held on November 15-16, 2024. • Virtual International Conference on the theme Challenges to Disaster Risk Reduction and Resilient Habitat, organized by Centre for Disaster Management Studies, Shaheed Bhagat Singh College, University of Delhi, India held on April 5-6, 2022. 							

- Online international conference on the topic “Future Challenges and Sustainable Development Goals: Science to Policy Framework” organized by International Coordination and Development Program, Shaheed Bhagat Singh College, University of Delhi, India held on 16th, 17th and 18th April, 2021.
- National webinar on Urban Health Hazard and Preparedness in Global Pandemic COVID-19 organized by Department of Geography and Centre for Disaster Management Studies, Shaheed Bhagat Singh College, University of Delhi in Collaboration with National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India, May 2, 2020.
- National Conference on Historical Geography of location and Cultural evolution in India, organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, India in collaboration with The Association of Geographical Studies on April 13-14, 2019.
- International Conference on Livable Cities: Transforming Sustainability and its Challenges organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, India on February 5-7, 2018.
- National Conference on Making City Resilient: Post Habitat organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, India on February 3-4, 2017.
- International Geographical Union (IGU) Commission Conference, organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, India on March 18-20, 2016.
- 7 Days National Faculty Development Programme on Data Handling and Advance Data Analysis, Organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, May 2-8, 2016.

Papers Presentation/ Participation in National and International Seminar:

- Presented research paper titled **LONG TERM CLIMATE CHANGE ASSESSMENT DURING 1907 - 2015 IN THE KUMAUN HIMALAYA REGION, UTTARAKHAND** in INTERNATIONAL GEOGRAPHICAL UNION Thematic Conference organized by Department of Geography, Central University of Haryana Mahendragarh on November 24 - 25, 2022.
- Presented research paper titled **'Tracing disaster preparedness at micro-level in India: An empirical study of boatman at Magh Mela in Allahabad** in virtual International Conference on the theme Challenges to Disaster Risk Reduction and Resilient Habitat, organized by Centre for Disaster Management Studies, Shaheed Bhagat Singh College, University of Delhi, India held on April 5-6, 2022.

- Presented paper and **Best paper award on 'Climate change and vegetation line dynamics in the Kumaun Himalaya Region, Uttarakhand'** under the sub-theme Climate Action in the online international conference on the topic “Future Challenges and Sustainable Development Goals: Science to Policy Framework” organized by International Coordination and Development Program, Shaheed Bhagat Singh College, University of Delhi, India held on 16th, 17th and 18th April, 2021 by Santosh Kumar.
- Presented paper on **“Landslide Susceptibility Mapping of Kumaun Himalaya Region using Analytical Hierarchy Process (AHP) method”** in National Conference on Historical Geography of location and Cultural evolution in India, organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, India in collaboration with The Association of Geographical Studies on April 13-14, 2019 by Santosh Kumar.
- Presented paper on **“Multidimensional Poverty in Slums: A case study of Varanasi City”** in International Conference on Livable Cities: Transforming Sustainability and its Challenges organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, India on February 5-7, 2018, by Dr. Santosh Kumar.
- Presented paper on **“Influences of Climate change in Kumaun Himalayan Region, Uttarakhand”** in National Seminar on Adaptation and Implementation of Paris agreement: National initiatives towards Climate Change Mission organized by Department of Geography, Shaheed Bhagat Singh College (Evening), University of Delhi, India on April 21-22, 2017, by Santosh Kumar.
- Presented paper on **“Risk of Environmental Calamity in Hilly Urban area of Kumaun Himalaya, Uttarakhand”** in National Conference on Making City Resilient: Post Habitat III organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, India on February 3-4, 2017, by Anju Singh and Santosh Kumar.
- Presented paper on **“Assessment of Climate Change and Recession of the Kafni glacier (Uttarakhand) using Remote Sensing and GIS”** in International Geographical Union (IGU) Commission Conference, on Land use change, Climate extremes and Disaster Risk Reduction organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, India on March 18-20, 2016, by R.B. Singh and Santosh Kumar.
- Presented paper on **“Influences of Climate Change and Estimation of the retreat of Pindari glacier (Uttarakhand) using Remote Sensing and GIS”** in International Geographical Union (IGU) Commission Conference on focal theme Geohazards, Biodiversity, resource Sustainability and Mountain response to Global change organized by Department of Geography and Regional Development, University of Kashmir, Srinagar, Jammu and Kashmir during June 4th-5th, 2014, by R.B. Singh and Santosh Kumar.
- Presented paper on **“The role of Ambedkar's Dhamma Vision for strengthening**

human rights against Untouchability and the caste system in India” in International Seminar on Understanding Dr. Ambedkar concept of Dhamma: Transforming Self and Society, organized by Baba Bhimrao Abbedkar University, Lucknow on April 14th - 15th, 2014.

- Presented paper on **“Empowering Tribal Community for Sustainable Livelihood Security through Organic Farming of Medicinal Plants in Adhaura block (Kaimur), Bihar”** in National Conference cum Exhibition on Devine medicinal plants,, Products, Panchgavya and their roles in Integrated Rural Development, organized by **Council for Development of Rural Area**, held at **Vigyan Bhawan**, New Delhi on February 21st & 22th, 2014.
- Presented paper on **“Climate Change trends in the Pindari glacier region, Uttarakhand”** in 35th Indian Geography Congress NAGI on focal theme Sustainability, Environment and Society at Department of Geography, University of Madras, Chennai on December 12th, 2013- R.B. Singh and Santosh Kumar.
- Participated in International Geographical Congress **IGU Conference on Geo-Informatics for Biodiversity and Climate Change** organized by Department of Geography, at M.D University Rohtak, India, 14th -16th March 2013.
- Participated in 34th Indian Geography Congress, NAGI, Department of Geography at Patna University, November 02nd -05th, 2012.
- R.B.Singh and Santosh Kumar: **Climate change and Glacial Fluctuation in Pindari Region, Uttarakhand** in 33rd Indian Geography Congress NAGI organized by Department of Geography, University of Burdwan, Burdwan, West Bengal during November 11-13, 2011.
- Poster presentation on **Life cycle of Malarial parasite** in One day Symposium organized by Department of Zoology, Science College, University of Patna, Patna – February-28th, 2003.

Refresher courses/ FDPs/ Training courses attended

- Participated in two weak online interdisciplinary Refresher Course under malaviya mission teacher training programme entitled **“Holistic Empowerment for Stress Management: A Multidisciplinary approach integrating Literature, Arts, Social Sciences and Medicine”** for **“Faculty in Universities/Colleges/Institutes of Higher Eduaction”** organized by Atma Ram Sanatan Dharma College (University of Delhi) in collaboration with Ramanujan College (University of Delhi) from 1-14 July, 2025.
- Participated in 4 Weak Faculty Induction/Orientation Programme for **“Faculty in Universities/Colleges/Institutes of Higher Eduaction”** Organized by Teching Learning Centre, Ramanujan College (University of Delhi) in collaboration with Army School of Education from 23 May-21 June, 2023.

- Participated in online Training on **Disaster Management Plans to Enhance Resilience of Institutional Buildings** organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in Collaboration with Centre for Disaster Management Studies, Shaheed Bhagat Singh College, University of Delhi from 23 Feb to 25 Feb 2022.
- Participated **Online Capacity Building Program on Hydro-Meteorological Disaster: Techniques of Measuring, Monitoring and Management of Floods, Disaster Risk Reduction and Resilience** organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in Collaboration with Centre for Disaster Management Studies, Shaheed Bhagat Singh College, University of Delhi, 21-23 October, 2021.
- Participated in National webinar on **Urban Health Hazard and Preparedness in Global Pandemic COVID-19** organized by Department of Geography and Centre for Disaster Management Studies, Shaheed Bhagat Singh College, University of Delhi in Collaboration with National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India, May 2, 2020.
- Participated in 7 Days **National Faculty Development Programme on Data Handling and Advance Data Analysis**, Organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, May 2-8, 2016.
- Participated in **Indian Himalayas Climate Change Programme (IHCAP)** sponsored 4 days Training and capacity building workshop on Applied Glaciology, Organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, February, 2-5, 2016.
- Assisted in village Field Survey of **Japanese Research Project** entitled “**Development and Socio-economic Change in Indian Mega-Region**” funded by **Ministry of Education, Culture, Sports, Science and Technology, JAPAN** conducted in December, 2014.
- Participated in **ICSSR sponsored 7 days Research Methodology course** for ST/SC Ph.D. Student of Social Science, Organized by Department of Geography, Swami Shraddhanand College, University of Delhi, December 26th, 2013- Jan.1st, 2014
- Participated in Pre-Symposium Tutorial on “**LiDAR Technology and Its Applications**”, Organized By IARI, New Delhi in November 2012
- Participated in “**Pace survey mapping**” of Delhi University Campus, organized by Department of Geography, University of Delhi, 2012.
- Participated in Three Days UGC-SAP workshop on “**Techniques in Regional/Resource Studies**” Organized by Department of Geography, DSE, Delhi University from 22nd -24th march 2012

Awards and Distinctions
<ul style="list-style-type: none"> ➤ University Grant Commission NET for Environmental Sciences in November 2017 ➤ University Grant Commission NET +JRF for Geography in June 2011 ➤ CSIR-NET for Earth and Atmospheric sciences in Jun 2010 ➤ University Grant Commission NET for Geography in June 2010 ➤ University Grant Commission NET for Geography in June 2009
Association with Professional Bodies
<ul style="list-style-type: none"> ➤ National Association of Geographers India (NAGI) LIFE MEMBERSHIP LM – 2386 (2017) ➤ Association for Geographical Studies (AGS) LIFE MEMBERSHIP LM – 298 (2017) ➤ Geographical Society of Himachal Pradesh LIFE MEMBERSHIP LM – 276 (2024)
Other Activities