




Faculty Details Proforma

| Title | Prof. | First Name | Poonam | Last Name | Sharma | Photograph |
|--|-------|--|--------|-----------|--------|---|
| Designation | | Professor in Geography, Director, Centre for Disaster Management Studies www.cdmssbsc.org | | | |  |
| Address | | Shaheed Bhagat Singh College, University of Delhi, Sheikh Sarai , Phase-II, New Delhi 110017, India www.sbsc.in | | | | |
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| Email | | poonamsharma299@gmail.com poonam.sharma@sbs.du.ac.in | | | | |
| Web-Page | | | | | | |
| Educational Qualifications | | | | | | |
| Degree | | Institution | | | | Year |
| Ph.D. | | University of Delhi | | | | 2006 |
| M.Phil. / M.Tech. | | University of Delhi | | | | 1994 |
| PG | | University of Delhi | | | | 1992 |
| UG | | University of Delhi | | | | 1990 |
| Diploma in Journalism | | Bhartiya Vidya Bhawan | | | | 1995 |
| Any other | | Certificate course in Remote Sensing and Geo informatics | | | | 2014 |
| CAREER PROFILE | | | | | | |
| <ul style="list-style-type: none"> Taught in University of Delhi Colleges Since 1994. Teaching in Department of Geography, Shaheed Bhagat Singh College, University of Delhi since 1996. | | | | | | |
| AREAS OF INTEREST / SPECIALIZATION | | | | | | |
| Urban & Regional Planning, Urban Geography, Development Studies, Smart City, Environment Geography and Ecological Studies. | | | | | | |
| AWARDS | | | | | | |
| <ul style="list-style-type: none"> Awarded with “Meritorious Teacher Award 2017-18” by Department of Higher Education Government of Delhi Awarded for good paper presentation at International Conference ,Nordic Geographers Meeting in Stockholm , Sweden during 18-21 June 2017 https://www.humangeo.su.se/english/ngm-2017/awards-for-good-presentations-1.338369 | | | | | | |

RESEARCH GUIDANCE

Supervision of Doctoral Thesis, Department of Geography ,University of Delhi –(02 in progress)
Doctoral Thesis Completed , Department of Geography ,University of Delhi(01)
Supervision of M.A. Dissertation, Department of Environmental Studies, University of Delhi – 01 (completed)

RESEARCH PROJECT

- Research Program jointly with Institute of Studies on Industrial Development and Shaheed Bhagat Singh College on “Urbanization and Human Capital Development in Assam” sponsored by **Indian Council of Social Science Research, Ministry of Human Resource Development, Government of India**, 2017-19 as Co- Project Director, Completed.

PUBLICATIONS PROFILE

BOOKS

- **Geospatial Technology and Smart Cities**, Springer Nature, Switzerland, ISBN 978-3-030-71944-9, August, 2021, <https://link.springer.com/book/10.1007/978-3-030-71945-6>
- **Sustainable Smart Cities in India: Challenges and Future perspectives**, Springer International Publishing, Switzerland, ISBN 978-3-319-47144-0 April,2017, <https://link.springer.com/book/10.1007%2F978-3-319-47145-7>
- **Structure and Growth of Mega City**, Concept Publishing Company, New Delhi- 2010, ISBN-10-81-8069-675-8.
www.amazon.in/gp/offer-listing/8180696758/ref

CURRICULUM WRITING

Post Graduate course content for Epg Pathshala Program UGC, Ministry of Human Resource Development, Government of India

- Environment Geography : Energy Flow in Ecosystem
<https://epgp.inflibnet.ac.in/ahl.php?csrno=17>
- Environment Geography : Ecological Pyramids
<https://epgp.inflibnet.ac.in/ahl.php?csrno=17>
- Participated as subject expert for preparation of geography dictionary under Commission for Scientific and Technical Terminology, Ministry of Human Resource Development, Government of India.

INVITED LECTURES

- Resource Person in AICTE Training and Learning (ATAL) Academy FDP on Advances in Applications of Remote Sensing and GIS organized by Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Haryana on February 10-14, 2022. Session on February 11, 2022.
- Invited Speaker at the three day Training Program jointly organized by National Institute of Disaster Management and Disaster Resilient & Research Foundation on Basics of Disaster Management during January 5-7, 2022. Session on January 7, 2021
- Resource Person in AICTE Training and Learning (ATAL) Academy FDP organized by Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Haryana on December 27-31, 2021. Session on December 28 & 30, 2021.
- Invited Speaker, UGC HRDC University of Mumbai, Refreshers course on Sustainability, Development and Community Resilience: A Spatio-Social Perspectives, November 22 – December 4, 2021. Session on December 1, 2021.
- Resource person, UGC HRDC Rani Durgavati Vishwa Vidyalaya, Jabalpur, Madhya Pradesh, Refresher Course on Environmental Education and Disaster Management, September 21, 2021
- Invited speaker, Webinar on Scope and Impact of Akshay Urja in India on the occasion of Akshay Urja Diwas, S D College, Chandigarh in association with Chandigarh Renewable Energy, Science and Technology Promotion Society (CREST), August 21, 2021
- Keynote Speaker, National Webinar, Department of College, Arts & Science college, Chousala, Beed, Maharashtra, March 27, 2021
- Resource person, Capacity Building Through Geo-Spatial Techniques, UGC-DRS SAP-I & FIST Workshop, Jamia Millia Islamia, New Delhi, December 1-6, 2020 on Delivered Sessions on two days Dec 2 & 4.
- Invited Lecture in 7th Annual International Virtual Conference on Sustainability in Current Scenario: Challenges and Solutions, Centre for Climate Change and Water Research, Suresh Gyan Vihar University, Jaipur, Rajasthan, November 5-7, 2020

- Invited Lecture, Satellite Image Interpretation in QGIS, Swami Shradhhanand College, University of Delhi, November, 12, 2020
- Invited to deliver lecture in International e-Conference on Climate Resilience and Disaster Risk Reduction for Sustainable Development on August 17-18, 2020 by Nizam College, Osmania University, Forest College and Research Institute and Council for Green Revolution Hyderabad, Telengana
- Resource Person, Faculty Development Program on QGIS during August 6 - 12, 2020 organised by KG Reddy College of Engineering and Technology, Hyderabad, Telengana, IASE Deemed University, Churu, Rajasthan and Bansur College, Rajasthan.
- Resource Person in Capacity Building Training Program in Geo-informatics during July 29 to August 04, 2020 by Department of Geography Chaudhary Ranbir Singh University, Jind , Haryana.
- Invited as resource person for a session on Geographical Feature Extraction(July 23 session) using QGIS, in the Faculty Development Program on Open Source Software QGIS organized by Department of Geography HNB Garhwal Central University, Srinagar , Garhwal, Utrakhand in collaboration with IASE (Deemed University, Churu, Udaipur, July 21-27,2020
- Delivered invited lecture in International e- Conference on Borderless Growth, Equality and Sustainable Development: The Pathway to Human Welfare on 29-30 June, 2020 organized by Department of Geography, Isaabella Thouburn College Lucknow.
- Delivered invited lecture at two Day's International Webinar on Geospatial Technology and Sustainable Environment organized by Department of Geography IASE, Churu, Rajasthan, Swami Shradhanand College, University of Delhi and Netra Institute of Geoinformatics Management & Technology Foundation on June 25-26, 2020.
- Delivered invited lecture as resource person at UGC-Human Resource Development Centre (Academic Staff College), Osmania University, Hyderabad, for the Short -Term Course in Renewable Energy on 18-20 June, 2020.

- Invited as Resource person for a session on Map Composer using QGIS, in the Faculty Development Program on Open Source Software QGIS organized by Shivaji College and Janardan Rai Nagar Rajasthan Vidyaapeeth, Udaipur, Rajasthan, June 8-14,2020
- Delivered talk in Need for women's Leadership in Fighting Against COVID-19(Strategy and Response) organized by International Women's Club in association with The High Commission of the Republic of Ghana, New Delhi, Kingsmead School, England , Aditi Mahavidyalaya, University of Delhi and VKS Care Foundation, New Delhi on May 28-29 , 2020.
- Invited as Resource person for a session on Data Representation using QGIS, in the Faculty Development Program on Open Source Software QGIS organized by Swami Shradhanand College, University of Delhi and Institute of Advance Studies in Education, Faculty of Humanities and Social Sciences, Churu Rajasthan, University of Delhi, May 12-18, 2020.
- Invited speaker in two days International Workshop on COVID-19 Mass Disaster & Possible Management: Challenges for Immediate Future, organized by India International Intellectual Society in association with Central University Pondicherry and Deenbandhu Chhotu Ram University, Murthal, Haryana on May 5-6, 2020.
- Delivered invited talk on Role of Geospatial Technology in Planning Sustainable Regions, at School of Planning and Architecture, New Delhi on 19th February, 2020.
- Invited to deliver lecture on Significance of Measuring Micro-climate and Sustainable Cities by Kalindi College, University of Delhi, November 1, 2019

PUBLISHED PAPERS IN JOURNALS

- City population, Hierarchy of Urban Centre and Urban Living Conditions in Assam, Population Geography, Journal of Association of Population Geographers of India, Vol 43, no 1, June 2021
- Virtual Gazing, Unhealthy Vlogs and Food Choices: A Behavioral Analysis , International Journal of Multidisciplinary Educational Research, Vol 10 , Issue4(2), April 2021
- Traffic Congestion in Azadpur Mandi: A Study On The Largest Vegetables And Fruits Market of Asia , Geography, Environment, Sustainability, Vol.14, No 1, April 2021

- An analysis of Spatio-temporal variations of urban growth and impact of the dynamics of different class size cities in Assam, India, National Geographical Journal of India, vol 67(1) , March 2021
- Assessing Inadequate Urban Infrastructure And Place Attachment Perception Among Residents Of Gated Societies In Greater Faridabad, India , International Journal of Social Science and Economic Research Volume:06, Issue:02 February 2021
- Analysing the Impact of Green Building Infrastructure on the Efficiency of Energy and Water Usage Management: A Move towards Achieving the Sustainable Development Goals, International Journal of Disaster Recovery and Business Continuity, Vol 12(1), February , 2021
- Unplanned Growth, Poor Infrastructure Facilities in Urban Villages of Metropolitan Cities and the Risk of Biohazards: A Perception Analysis in South District , Delhi, International Journal of Research and Analytical Reviews (IJRAR) , Vol 6(2)May 2019
- Agricultural Land use, Intensification And Food grain Dispersion In Rajasthan: A District Level Analysis, International Journal of Research and Analytical Reviews (IJRAR), Vol 6(2)April 2019
- Conceptual Understanding of the Processes of Economic Growth and Regional Disparities, International Journal of All Research Education & Scientific Methods(IJARESM), Volume 7(3), March 2019
- Hydrological Dynamics and Hydroelectric Projects In Indian Himalayas: A Case Study of East Himachal Pradesh, International Journal of Creative Research Thoughts, Volume.7, Issue 1,February 2019
- An Overview Of Hydropower Development In Hangrang Valley, Himachal Pradesh, Journal of Emerging Technologies and Innovative Research, Vol 6(2), February 2019
- Perspective and Perceptions of Students' Regarding the Choices for Courses and Locational Attraction of the Institutions for Higher Education in Assam, India, International Journal of Applied Research, Vol 4(12), November 2018
- Development, Displacement and the Application of Capability Approach: A Study of Policies and Practices of Participatory Resettlement & Rehabilitation in India, International Journal of Enhanced Research in Educational Development (IJERED), Vol. 6 (6), Nov-

Dec 2018

- Hydropower Development in High Altitude Ecosystem, International Journal of Scientific Research and Reviews, 7(2), 2018
- Pollution in the Metropolitan City of Delhi, National Association of Geographers India, Vol. XIX , No1 &2, June 1999.
- Regional Inequalities in the Process of Socio-Economic Development ,National Association of Geographers India, Vol. XV, No. 1, June 1995.

PUBLISHED PAPERS IN EDITED BOOKS

- “The Energy Scenario of India: An Assessment” in Poonam Sharma and Swati Rajput ed. Sustainable Smart Cities in India: Challenges and Future perspectives, Springer International Publishing, Switzerland, ISBN 978-3-319-47144-0 in print.
- “Impact of Intensive Construction in Mountain Regions: A Case Study of Kinnaur District, Himachal Pradesh” in Raman,V.A.V. ed. Geoanthropogenic Environment: An Appraisal, A.K. Publications, New Delhi, 2016 ISBN: 978-93-85022-73-9
- “Regional Imbalances in India: An Empirical Analysis” in book edited by Prof B.Thakur,George Pomery, Chris Cusack and Sudhir K Thakur, “City ,Society and Planning”, Vol. 3, Concept Publishing Company, New Delhi, 2007. ISBN-10:81-8069-461-5
- “The Privatisation of Water”, in Natural Resource Management, edited by Dr.B.W.Pandey, Mittal Publications, New Delhi, 2005. ISBN81-7099-986-3
- “Pollution Levels in Metropolitan City of Delhi” in National Association of Geographers India, Vol. XIX, No. 1& 2, June 1999.
- “Ahemdabad: The Textile city of India” in a book edited by Prof. R.P.Misra and Prof. Kamlesh Misra "Million Cities of India" , 2nd edition Sustainable Development Foundation, New Delhi, 1998. ISBN: 81-900975-2-0
- “Urban Environment” in Souvenir of IX conference of Indian Institute of Geomorphologies, held at Department of Geography, Delhi school of Economics, University of Delhi, 1998.

PARTICIPATION IN CONFERENCES, SEMINARS, WORKSHOPS

- Presented paper titled Inclusive and Sustainable Urban Development Transformations in the Making of Smart City Jaipur in International Online Conference on Exploring the Application of Solidarity Approach in Geography, SBSC, University of Delhi, April 5-6, 2021
- Presented paper titled Urban Green Spaces in Indian Metropolitan Cities in International Conference on Livable Cities: Transforming Sustainability and Its Challenges, SBSC,

University of Delhi, February 5-7, 2018

- Presented paper “ Mapping the Impact of Green Spaces in Modulating the Temperature in Planned and Unplanned Residential Areas” in National Seminar on Urban Environment in the 21st Century: Issues and Challenges , **Department of Geography, Jamia Millia Islamia**, New Delhi , 27-28 March,2018 .
- Co-Chaired a session on “Urbanisation and Urban Environment” in **UGC-SAP National Seminar on Urban Environment in the 21st Century: Issues and Challenges** , **Department of Geography, Jamia Millia Islamia**, New Delhi , 27-28 March,2018 .
- Co-Chaired a session on “Indoor and outdoor Environmental Pollution” , in National Conference on Climate Change: Sustainable Agriculture and Environment ,**Department of Geography, Aligarh Muslim University, Aligarh** ,Uttar Pradesh, 17-18 March 2018

- Presented titled “Urban Parks, Microclimate and Resilient Cities” **International Conference: 38th Asian Conference on Remote Sensing 2017**, during October 23-27, 2017 at The Ashok, New Delhi
- Presented paper “Parks: The Green Engines for Sustainable Cities” **at International Conference ,Nordic Geographers Meeting in Stockholm , Sweden** during 18-21 June 2017

- Chaired a group work session on Food Technology and Nutritional Security in UGC-SAP National Seminar on Emerging Frontiers in Resources, Environment, **Urban and Regional Planning** , **Department of Geography, University of Delhi**, 23-24 December 2017
- Presented in Brain Storming Session for Developing an Exclusive Programme for Women Scientists in the Field of Geo-Spatial Technology for training , Skill Development and Employment Generation” DST and **Department of Geography ,Jamia Millia Islamia** New Delhi,13-14 September , 2017
- Paper presented titled “Role of Mountains in Attaining Sustainable And Secure Energy: An Assessment from Himachal Himalayas” in **International Conference on Spatial Decision support System for National sustainable Development Goals at Kalindi College, Delhi, 1-2 February, 2017.**

- Paper presented titled “Urban environment and micro-climate: A view over Indian Mega Cities in **National Conference on Resilient Cities: Post Habitat III, at conference Centre, Shaheed Bhagat Singh College,University of Delhi, 3-4 February ,2017**
- Paper presented titled “Potential and site Evaluation for Nonconventional Energy Resources in Higher Himalayas: a case Study from Kinnaur District, Himachal Pradesh” in **National Conference on Geoinformatics for Natural Resource Management at Jamia Milia Islamia, New Delhi, on 7-8 February, 2017.**
- Co-Chaired Technical Session VIII –Spatial Decision Support System to Achieve Gender Equality and Empower AI Women and Girls, in **International Conference on Spatial Decision support System for National sustainable Development Goals at Kalindi College, Delhi, 1-2 February, 2017.**
- Co-Chaired a session 5C on Population and Development in **National Conference on**

Geoinformatics for Natural Resource Management at Jamia Milia Islamia, New Delhi, on 7-8 February, 2017.

- Chaired a session on Group Work on Habitat III at Seminar on Global Initiatives (SDGs, DRR, COP21, Habitat III, IYGU) and Indian Environment, at **Department of Geography, Delhi of School of Economics**, University of Delhi on 04 June 2016
- Co -Chaired Technical Session II at National Conference On ‘Himalayan Perspectives: People, Land and Resources’ at Department Of Geography ,Kamala Nehru College, University of Delhi , on 12th April, 2016
- Presented an invited talk on Green Urbanisation: new perspectives at National Workshop on “Stipulating Role Agriculture and Forestry in the Urban Environment: Mapping and Analysing Green Spaces” Under Innovation Project, on 4th April 2016 at Shaheed Bhagat Singh College, University of Delhi.
- Presented Paper titled “Indigenous Ecological Practices and managing Environmental Pollution” at National Workshop on “Smart Agriculture: A Blend of Ancient Wisdom and Modern Agriculture” at Aditi Mahavidhyalay,University of Delhi ,on March 29th-31stMarch,2016
- Presented paper titled- “Hydropower development and Environmental sustainability in Kinnaur district, Himachal Pradesh, at International Geographical Union Conference at University of Delhi, 18-20 March, 2016
- Paper presented titled “Environmental Issues in Development: Case Studies from Himachal Himalayas” in National Conference at Kalindi College, Delhi, 25-26 February, 2016.
- Co-Chaired Technical Session III -People, Resource and Sustainability in the National Conference at Department of Geography, Kalindi College ,University Of Delhi, on Environmental Ethics, Resource Depletion And Sustainable Development On 25 -2 6th February 2016
- Participated in Indian Himalayan Climatic Adaptation Programme (IHCAP) training program on “*Applied Glaciology*” on 2-5 February, 2016
- Participated in International workshop on “*Hydropower-Irrigation Nexus in Ganges Headwater*” on 5 December, 2015 , University of Delhi
- Paper titled “Strategic Environmental Assessment and Role in Hydropower Development in Kinnaur District, Himachal Pradesh” in 37th National Association of Geography India Conference at Jammu, 2-4 December, 2015.
- Participated as subject expert in Definitional Dictionary of Geography by Commission for Scientific & Technical Terminology, Government of India, 5-9 October, 2015 at Swami Shradhanand College, University of Delhi.
- Participated as subject expert in Definitional Dictionary of Geography by Commission for Scientific & Technical Terminology, Government of India, November, 2015 SBSCE
- Presented paper title- "Hydro power generation in Himalayas: A case study of Kinnaur district, Himachal Pradesh, National conference on Smart Cities Challenges and Vision Ahead, By Shaheed Bhagat Singh College, Delhi,on 6th April,2015.
- Participated in 14th ESRI India User Conference on 11-12th December,2013 at New Delhi
- Participated in the International Geographic Union(IGU) Conference on “Geoinformatics for Biodiversity and Climate Change”, organised by Department of Geography, Mahirshi Dayanand University, Rohtak, Haryana,14-16 March,2013.

- Participated in two day Delhi Round Table Conclave (DRTC 2013) on Vulnerable India: Ocean Acidification, Sea Level Rise And Extreme Events, LIGHTS (Learning in Geography, Humanities, Technology & Science) Research Foundation, 11-12 March 2013 at India International Centre, Lodhi Road, New Delhi.
- Presented paper titled Role of Geospatial Technology in Disaster Preparedness in National workshop on Youth, Technology and Disaster Risk Reduction, All India Foundation for Peace and Disaster Management, at The American Centre, New Delhi, March 25-26, 2011
- Presented Paper titled Environmental Concerns of Urban Expansion and Reducing Green Cover in National Conference organised by All India Foundation for Peace and Disaster Management on Women, Environmental Education and Climate Change, at The American Centre, New Delhi, May 28-29, 2010.

CONFERENCE ORGANIZATION/ PRESENTATIONS

1. **Convener**, Three days online Training Program on Disaster Management Plans to Enhance Resilience of Institutional Buildings in collaboration with National Institute of Disaster Management, Ministry of Home Affairs, Government of India, February 23-25, 2022
2. **Convener**, Three days online training on Disaster Risk Reduction and Resilience in collaboration with National Institute of Disaster Management, Ministry of Home Affairs, Government of India, October 21-21, 2021
3. **Co-Convener**, International conference on Exploring the Application of Solidarity Approach in Geography, SBSC, University of Delhi, April 5-6, 2021.
4. **Convener**, Capacity Building Program on Hydro-Meteorological Disaster: Techniques of Measuring, Monitoring and Management of Floods under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Ministry of Education, Government of India, March 1-7, 2021.
5. **Co-Convener**, National Workshop, Geographers' Youth Conclave on Use of Social Media as a Research Tool in Geography: Shifting Paradigms and Emerging Issues, by Shaheed Bhagat Singh College, University of Delhi, January 28-29, 2021.
6. **Convener**, National Workshop, Geographers' Youth Conclave on Sustainable and Innovative Environmental Practices, by Shaheed Bhagat Singh College, University of Delhi, January 30-31 2020.
7. **Co-Convener**, National Seminar on Spatial Dimensions of Environmental Problems and Natural Resource Law by Shaheed Bhagat Singh College, at Conference Centre, University of Delhi, September 3-4 2019.
8. **Co-Convener**, International Conference on Livable cities: Transforming Sustainability and Its Challenges, by Shaheed Bhagat Singh College, at Conference Centre, University of Delhi, 5-7 February 2018.
9. **Co- Convener**, National Conference on Resilient Cities: Post Habitat III, at Conference

Centre, Shaheed Bhagat Singh College, University of Delhi, 3-4 February 2017

10. **Convener**, National Faculty Development Program on Data Handling and Advance Analytics on 2-8 May 2016.
11. **Co- Convener**, International conference: IGU on land Use Change ,Climate Extremes and Disaster Risk Reduction ,18-20 March,2016 at University of Delhi
12. **Convener** for Workshop for preparation of geography dictionary under Commission for Scientific and Technical Terminology, Ministry of HRD, on 10-13 August, 2015
13. **Convener**, National Conference on “Smart Cities: Challenges and Vision Ahead” at India International Centre on 6th April, 2015

PARTICIPATED IN WORKSHOPS & COURSES

- Completed online course on “Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials” which was conducted by Indian Institute of Remote Sensing (IIRS), ISRO Dehradun, during 13-06-2020 to 01-07-2020.
- Participated in Five Days Virtual FDP o “R Programming” May 25-29,2020, Organised by School of IT IMS Noida in association with spoken tutorial, IIT Bombay.
- Participated in workshop on Structural Equation Modelling, 30.12.2017 and 17.2.2018,at RDIAS, Rohini ,New Delhi.
- Participated in workshop on Factor analysis, 12.08.,at RDIAS, Rohini ,New Delhi.
- Participated In National Faculty Development Program On “Research Methodology And Data Analysis, 21-27 November, 2016 , At Shivaji College, University Of Delhi.
- Global Initiative For Academic Networks (GIAN) On ‘*Global Cities Sustainability And Management Of The Urban Ecosystem*’,1-5 November,2016, Department Of Geography ,Jamia Millia Islamia, New Delhi.
- Indian Himalayan Climatic Adaptation Programme (IHCAP) Training Program On “*Applied Glaciology*” On 2-5 February, 2016
- International Workshop On “*Hydropower-Irrigation Nexus In Ganges Headwater*” On 4-5 December, 2015 , University Of Delhi

Association With Professional Bodies

Member:

- National Associations of Geographers India
- Association of Geographical Studies
- Indian Society of Remote Sensing
- National Geographical Society of India, BHU
- The Indian Geographical Society, Chennai