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Title	Professor	First Name	SUBHASH	Last Name	ANAND	Photograph
Designation		Professor				
Address	Department of Geography, Delhi School of Economics, University of Delhi, Delhi -110007, India.					
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Educational Qualifications						
Degree	Institution				Year	
Ph. D.	Department of Geography, Delhi School of Economics, University of Delhi, India				2007	
M.Phil.	Department of Geography, Delhi School of Economics, University of Delhi				1999	
P.G.	Department of Geography, Delhi School of Economics, University of Delhi				1996	
U.G. (Honours)	Shivaji College, University of Delhi				1994	
Any Other Qualification	University Grants Commission –National Eligibility Test/Junior Research Fellowship				1997	
Career Profile						
Organisation/Institution		Designation		Duration		
Department of Geography Delhi School of Economics, University of Delhi.		Professor		01/01/2015 to Till date		
Department of Geography, Delhi School of Economics, University of Delhi.		Associate Professor		21/02/2014 – 31/12/2014		
SSNC, University of Delhi.		Associate Professor		16/12/2010 –20/02/2014		
SSNC, University of Delhi.		Reader		16/12/2007 –15/12/2010		
Swami Shraddhanand College, University of Delhi.		Senior Lecturer		14/12/2003 –15/12/2007		
Swami Shraddhanand College, University of Delhi.		Lecturer		14/12/1998 –13/12/2003		
1. ADMINISTRATIVE ASSIGNMENTS						
<ul style="list-style-type: none"> Vice-Chair, Commission on Geoheritage, International Geographical Union (IGU), 2020 onwards. 						

- Vice- President, The Indian Geographical Society (IGS) 2020 onwards.
- Advisor, Centre of Himalayan Studies (CHS), University of Delhi, since 2023.
- Series Editor, Springer: Advances in Geographical & Environmental Series, Springer since 2022.
- Treasurer, Delhi University Students Union (DUSU) since 2023.
- Warden, Jubli Hall (JH), University of Delhi, since 2022.
- VC Nominee, Department of African Studies, University of Delhi, 2022-2024.
- Member, PGBoS, Central University of Haryana (CoH), and M.D. University, 2022 onwards.
- Member, PGBoS in Geog, Indira Gandhi University, and Gurugram University, 2024 onwards.
- Chairperson, Governing Body, Kalindi College, University of Delhi, 2022-23.
- Treasurer, Governing Body, Dyal Singh College, University of Delhi, 2021-23.
- University Executive Council Nominee, Miranda House, University of Delhi, 2021-2022.
- Member, Committee on National Education Policy (NEP)-2020, University of Delhi, 2020-21.
- Member, Examination Disciplinary Committee, University of Delhi, 2021-22.
- Convenor, Geo- Research Forum, Department of Geography, DSE, University of Delhi,
- Disciplinary Committee, Department of Geography, University of Delhi, 2020-21.
- Convener, Redressal Committee (SC/ST), Deptt of Geography, University of Delhi.
- Member, Admission Committee, Department of Geography, University of Delhi.
- Convener, Library committee, Department of Geography, University of Delhi, 2017-18.
- M. Phil and Ph.D. In-charge, Department of Geography, University of Delhi 2015-16.
- SC/ST Observer, Swami Shraddhanand College, University of Delhi, 2013-2014.
- Director, ICSSR sponsored Seven Days Research Methodology course for SC/ST Ph.D. Scholars in Social Sciences organized during 26 Dec, 2013-01 Jan, 2014, University of Delhi.
- Academic Counselor, IGNOU Study Centre (0729), BTC & MTM course 2010-2014.
- Counsellor, Delhi University SC/ST Undergraduate Admission, 2005- 2010.
- TIC, Department of Geography, SSNC, Univ of Delhi, 2001-2002, 2005-2006 and 2009-2010.
- Expert Member, various Universities/Organizations/Institutes/Bodies/Boards/Committees.

2. AREAS OF INTEREST / SPECIALIZATION

- Environment and Development; Urban Environmental Issues; Sustainability; Geoheritage; Geoparks; Geotourism.

3. SUBJECTS TAUGHT

- Sustainable Cities; Agricultural Development and Land Degradation; Geography of India; Research Methodology

4. RESEARCH GUIDANCE

➤ *Supervision of Doctoral Theses: Guided Ongoing*

- Identifying and Assessing Geotourism and Geoconservation of Geoheritage Sites in Baghpat District, Madhya Pradesh.
- Land Use Land Cover Dynamics and its Implications on land surface Temperature: A Case Study of Shimla Himachal Pradesh.
- Occupational Health Hazards Exposure among Ragpickers in National Capital Region of Haryana and Uttar Pradesh.
- Analyzing the Spatial Patterns of Quality of Life in Delhi.
- Trends of Heat Disturbance Indicators on Human Comfort in the Iraqi Middle Euphrates Region using GIS.
- Urban Socio-Economic and Health Vulnerabilities, Risk and Resilience to Covid-19: Case study of Vulnerable Population in Delhi.
- Men's Involvement in Family Planning and its Effect on Reproductive Health of Women in Madhya Pradesh and Uttar Pradesh: A Comparative Study.
- Status and Implications of Legally Imprisoned Women: Empirical Study of Rehabilitation Problems of Women in Society after Jail: A Case Study of Tihar Jail (PDF).
- Assessing the Implications of Using Chemical Fertilizer and Pesticides in Agriculture on Environment and Human Health: A Comparative Study of Bathinda and Delhi.
- Spatio-Temporal Changes of Agriculture Development and its Environmental Implications in Baghpat District, Uttar Pradesh.
- Impact of Urban Ecology on Human Health: A Case Study of North & South District of Delhi.
- Environmental Impact Assessment of Wastewater: A Comparative Study in Delhi and Ghaziabad.
- Spatial Assessment of Status of Air Quality in Delhi and Chennai.
- Wastewater Management for Urban Sustainability: A Case Study of Delhi.
- Optimizing Regional Development through Smart Cities: A Case Study of KAVAL Cities in Uttar Pradesh.
- Spatial Analysis of Physio- Climate Changes and its Impact on Human Adaptation in Twang Chu River Basin of Arunachal Pradesh.
- Impact of Climate change on Nutrition and Health in Mountain Region: Case Study of Kumaon Himalaya.
- Promotion and Development of Geoparks and Geotourism in India.
- Disaster Management Strategy for Schools in Delhi.
- A Spatio-Temporal Analysis of Party Competition of Seventeen Reserved Parliamentary Constituencies of Uttar Pradesh, 2009 & 2014.
- Conservation and Management of Water Resource: A Study of Rural Mirzapur.
- Effects of Metro Rail on Urban Environment in Delhi.

➤ ***Supervision of M. Phil Dissertation (Guided):***

- Solid Waste Management and Rag Pickers: A Case Study of Ghaziabad.
- Assessing Agriculture Development and Food Security in Nagaland: Case Study of Nagaland.
- Status and Challenges for Organic Farming: A Case Study of in Ghaziabad District.
- Family Planning and its Effects on Reproductive Health of Women in Uttar Pradesh.
- Impact of Transport on Environment and Socio- Economic Conditions in Azadpur Mandi.
- Hydrological Vulnerability in Himalaya: A Case Study of Rishikesh City.
- Feasibility Study of Guwahati as a Smart City.
- Management of E-waste: A Case Study of West Delhi.
- Sustainable Sanitation Management in the Resettlement Colony of Delhi.
- Dynamics of Urban Sprawl and its Impact on Agriculture in Imphal.

➤ ***Supervision of M. A. Dissertation***

Supervised several Master Dissertations on various Innovative Topics related to Rural-Urban Issues; Sustainability, Geotourism; Sustainable Development, Environment and Development.

5. PROJECTS, GRANTS & COLLABORATIONS

- Major Research Project Co- PI: (2023-24) on “An Evaluative Study of Ayushman Bharat in Rural Haryana” funded by Indian Council of Social Science Research (ICSSR).
- Major Research DST-BRICS Project Co-PI: (2020-2024) on “Joint Validation of Multi-Source Remote Sensing Information and Sharing in BRICS Countries” (JVRIS), Research Project Dy. No. C/1957/IFD2020-21 sanctioned by International Cooperation Division of Department of Science and Technology (DST), Government of India (GoI).
- Faculty Research Programme (2023-24) on “Exploring the Regional Scale Development of Geotourism and Geoconservation of Geosites”, Institute of Eminence (IoE), University of Delhi.
- Faculty Research Programme (2022-23) on “Impact of Agriculture Development and Predict the Spatio-temporal Changes on Agriculture Productivity in Baghpat District”, Sponsored by Institute of Eminence (IoE), University of Delhi.
- Faculty Research Project (2021-22) on “Assessing the Ambient Air Quality in Indian Mega Cities: A Case Study of Delhi,” Sponsored by Institute of Eminence (IoE), University of Delhi.
- Collaborate on ICSSR- JSPS Joint Research Seminar on “Promoting Economic Geography Studies on Inclusive Growth in Contemporary India”, 2016, Hiroshima University (Japan), and Delhi University (India).
- Innovative Project on “Solid Waste Management through Enhancing People Awareness for Environmental Sustainability in Delhi” SSN College, University of Delhi, 2013-14.
- Grants for attending various International Geographical Union (IGU) and other Conferences in Different Countries.

6. PUBLICATIONS PROFILE

➤ Books/Monographs (Authored/Edited):

- Emerging Geo-sustainability Transformations in India, AGES series, Springer Nature (To be published in 2024).
- Sustainability in South Asian Cities, Advanced in Geographical and Environmental Sciences series, Springer Nature (To be published in 2024).
- A Geographical Exploration of Urban Risk and COVID-19: An Innovative and Systematic Approach (2023), (Eds) Cambridge Scholars Publishing, (ISBN: 1-5275-2940-1).
- Sustainable Development Goals in Northeast India-Challenges and Achievements (2023), (Eds) Springer Nature (2023). Springer Singapore, (ISBN: 978-981-19-6477-0).
- Climate Change and Socio-Ecological Transformation: Vulnerability and Sustainability (2023), (Authored), Springer Singapore, (ISBN: 978-981-99-4389-0).
- Promoting Sustainability Through Water Management and Climate Change Adaptation (2023), (Eds), Springer Nature, Singapore, (ISBN: 978-981-99-5478-0).
- Water Science and Sustainability (2021) (Eds), Springer Nature Singapore, (ISBN: 978-3-030-57488-8)
- Global Geographical Heritage, Geoparks and Geotourism: Geoconservation and Development (2021), (Edited) Springer Nature Singapore, (ISBN: 978-981-15-4955-7).
- Urban Health Risk and Resilience in Asian Cities (2020), (Edited) Springer Nature Singapore, (ISBN: 978-981-15-1204-9).
- Progress in Environmental Management: Indian Experiences (2013), (Ed) Research India Press, New Delhi, (ISBN: 978-81-89131-91-3).
- Dynamics of Rural Development in Delhi (2013) (Authored) RIP, New Delhi, (ISBN: 978-81-89131-97-5).
- Eco-Development: Glocal Perspectives (2011), (Edited) Research India Press, New Delhi, (ISBN: 978-81-89131-46-3).
- Solid Waste Management (2010) (Authored), Mittal Publication, Delhi, (ISBN: 81-8324-353-3).

➤ Research papers published in Scopus/UGC CARE/ Refereed/Peer Reviewed/ Journals

- Unravelling the Role of Socio-Physical Drivers for Potential Built-up Site Selection in the Kumaun Himalayas (2024). Journal of Settlements and Spatial Planning, Vol. 15, (1), pp. 23-38. DOI: <https://doi.org/10.24193/JSSP.2024.1.03>
- Analysing Socio-Economic Conditions of Rag Pickers in Ghaziabad, Uttar Pradesh (2024). Journal Space and Culture, India, September, 2024 (Accepted). <https://www.spaceandculture.in/index.php/spaceandculture/issue/archive>
- Assessment of Municipal and Industrial Wastewater Impact on Yamuna River Water Quality in Delhi (2024). BIO Web of Conferences, Vol. 97, pp.1-14. <https://doi.org/10.1051/bioconf/20249700124>

- Bagh Dinosaur National Park Region, Dhar District, MP: A Potential UNESCO Global Geopark (2023). *Geoheritage* 15(4), pp.128-140. <https://doi.org/10.1007/s12371-023-00891-0>.
- Altitudinal Appraisal of Land Use Land Cover and Surface Temperature Change in the Satluj Basin, India (2023). *Geography, Environment, Sustainability*, Vol. 16 (4), pp.26-38. <https://doi.org/10.24057/2071-9388-2023-2958>.
- Accessing the Food Security Component of Households in Dimapur, Nagaland (2023). *Sustainability Agri Food Environmental Research (SAFER)*, Vol. 11, pp 1-18. <https://doi.org/10.7770/safer-V13N1-art685>
- Conservation and Management of Protected Areas in China and India: A literature review 1990–2021 (2023). *Climate*, Vol. 11 (1), pp. 1-17. <https://doi.org/10.3390/cli11010022>
- Spatio-Temporal Analysis of Air Quality Index (2013-2020): A Case Study of Delhi (2022) *North Eastern Geographer*, Vol 42 (1), pp.19-33. <https://northeasterngeographer.co.in/vol-42-2022-23/>
- An Overview of Scientific Research on Geoheritage in India (2022). *Geoheritage*, Vol. 14 (131), pp.1-17. <https://doi.org/10.1007/s12371-022-00762-0>
- The Tertiary Sequence of Varkala Coastal Cliffs, Southwestern India: An Ideal Site for Global Geopark (2022). *Int Jr of Geoheritage and Parks*, Vol. 10 (2), June, pp. 308-321. <https://doi.org/10.1016/j.ijgeop.2022.05.003>
- Spatio-temporal Analysis of Air Quality Index: A Case Study in Delhi and Chennai city from 2013 to 2020 (2022). *International Journal of Health Sciences*, Vol. 6 (5), pp. 12332–12352. <https://sciencescholar.us/journal/index.php/ijhs/article/view/11380>.
- Geospatial Analysis of Land Use and Land Cover of Delhi (2022), *Innovations* Vol. 71 (2), pp. 437–453.
- The Perceived Impact of Tourism Development and Sustainable Strategies for Residents of Varkala, South India (2022). *Int Jr of Geoheritage and Parks*, Vol. 10 (2), pp. 184–195. <https://doi.org/10.1016/j.ijgeop.2022.03.003>
- Evaluating the Potentiality of Shivalik Fossil Park as Emerging Indian National Geopark, *National Geographical Journal of India* (2022). Vol. 67 (1), pp. 1-19. doi:10.48008/ngji.1756.
- Ecological Model Analysis of Respiratory Health Risk Factors by Ambient Air Pollution in Lucknow, the Capital City of Uttar Pradesh, India. (2021). *GeoJournal*, Vol. 87 (S4), pp. 469–483. <https://link.springer.com/article/10.1007/s10708-021-10490-7>
- Assessment of Reusing Wastewater for Sustainable Agriculture Irrigation System in Delhi, India (2021). 2nd International Conference on Advanced Materials Behaviour and Characterization: ICAMBC. <https://doi.org/10.1063/5.0072736>
- Traffic Congestion in Azadpur Mandi: A Study on the Largest Vegetables and Fruits Market of Asia (2021). *Geography, Environment, Sustainability*, Vol. 14 (1) pp. 122-131. <https://doi.org/10.24057/2071-9388-2020-209>.
- Mapping the Land Use and Land Cover Changes and Hydrological Regime of Rishikesh City in Uttarakhand Using Geo-Spatial Techniques (2021). *Innovations*. Vol. 64 (1), pp. 848-858.

- Health Scenario in Delhi- Status and Recent Trends of Vector Borne and Water Borne Diseases in NCT of Delhi (2021). *The Horizon: Jr of Social Sciences*, Vol. 12 (1), pp. 25-42.
- Demographic Transformation, Landuse Change and its Environmental Implications in Kotla-Mubarakpur, New Delhi (2021). *Indian Journal of Spatial Science*, Vol. 12 (1), pp 29-38.
- Climate Vulnerability and Economic Determinants: Linkages and risk reduction in Sagar Island, India: a Geospatial Approach. (2021). *Quaternary Science Advances*, Vol. 4, pp. 100038-100052. <https://doi.org/10.1016/j.qsa.2021.100038>
- Migration and Dietary Diversity Changes among the Students: Case Study of the University of Delhi in India (2020). *Space and Culture, India*, Vol. 8 (3), pp. 1-13.
- Growth Engines of Delhi-NCR: The Changing Nature and Pattern of Industrial Complexes (2020). *Journal of Urban and Regional Studies*, Hiroshima, Japan, Vol. 7 (1). pp. 11–23.
- Mapping the Management Practices of Domestic E-Waste: A Case Study of West Delhi (2020). *The Indian Geographical Journal* Vol. 95 (1), pp 123-135
- Understanding Drinking Water Quality Problems in Shahadra Region of Delhi (2020). *Journal of Interdisciplinary Cycle Research*, Vol. 12 (7), pp.1311-1323.
- Assessment of Water Quality Analysis in Kanchipuram Block, Tamil Nadu Using GIS (2020). *Journal of Interdisciplinary Cycle Research*, Vol. 12, (7). pp. 1137-1152.
- Research Frontiers in Urban Solid Waste Management (2020). *The Horizon: A Jr of Social Sciences*, Vol. 11 (1), pp. 1-18.
- Matrix Model to Analyze Feasibility of Smart City in Guwahati (2020). *Journal of Global Resources*, Vol. 6, (2), pp. 56-63.
- Spatial Analysis of Physico-climatic Changes and its Impact on Human Adaptation in Tawang Valley: A Case Study of Monpa Tribe (2020). *Journal of The Eastern Anthropologist*, Vol. 73 (1), pp. 125-138.
- Mapping the Management Practices of Domestic E-Waste: A Case Study of West Delhi (2020). *The Indian Geographical Journal*, Vol. 95, (1), pp 1-21.
- Promotion and Development of Geoparks and Geotourism: A Review (2020). *The Horizon: A Journal of Social Sciences*, Vol. 11 (1), pp. 44-52.
- Role of Traditional Knowledge System in Environment Sustainability of Himalayan Region (2020). *The Horizon: A Journal of Social Sciences*, Vol. 11 (1), pp. 1-18.
- Green Revolution and Food Security in India: A Review (2019). *National Geographical Journal of India (NGJI)*, Vol. 65 (3), pp. 311-322.
- Analysing the Soil Health of Yamuna Flood Plains, Delhi (2019). *The Horizon: A Journal of Social Sciences*, Vol. 10 (2), pp. 1-10.
- Analyzing the Impacts of forest Ecosystem Services on Livelihood Security and Sustainability: A Case Study of Jim Corbett National Park in Uttarakhand (2019). *Int Journal of Geoheritage and Parks*, Vol. 7 (2), pp. 45-55.
- Health Hazards of Bhalawsa Landfill Site in Delhi (2019). *Indian Journal of Geography*, vol. 22, pp. 27-40.

- The Cliff of Varkala (2019). *Geography and You: India's Specular Geoheritage Sites*, Vol. 19 (25), pp. 42-29.
- Sanitation, Smart City and Urban Innovation: Case study of Allahabad, India (2019). *IGU Atlas on Land Use/Land Cover*, pp 21-32.
- Revisiting the Environmental Conditions in Seelampur J.J. Cluster (2018). *The Horizon: A Journal of Social Sciences*, Vol. 9(2), pp. 122-131.
- Role of Swachh Bharat Mission in Municipal Solid Waste Management in Patna, Bihar (2018). *Advance in Environmental Waste Management & Recycling*, 1(1), pp. 1-5.
- Sustainable urban infrastructural development for smart city in Guwahati, India (2018). *Human Geography Journal*, Vol. 25, pp. 54-65.
- Understanding the Status of Food Security: A Case Study of Haryana (2018). *The Horizon*, Vo. 9 (1), pp. 1-16
- Flash Flood and its Mitigation: A Case Study of Almora, Uttarakhand, India (2018). *Journal of Environmental Hazards*, Vol. 1 (1), pp 1-7.
- Land Use and Land Cover Change in First Proposed National Geopark, Varkala in Kerala, India (2017), *International Journal of Geoheritage*, Vol. 5(2), pp. 33-42.
- Dynamics of Urban Sprawl and Changes in Imphal of Manipur, India (2017), *Space and Culture, India*, Vol. 5(2), pp 69-83.
- Climate Change and Agriculture Scenario in Bageshwar of Uttarakhand, India (2017). *The Horizon: A Journal of Social Sciences*, Vol 8 (2), pp 1-187
- Community Perception towards Solid Waste Management in NCT of Delhi, India (2017). *International Journal of Research and Review*, Vol. 4 (7), pp 47-55.
- Ecohydrological Perspectives of Degrading Baolis During Medieval Period in Delhi: Traditional Practices of Water Management (2017). *Journal of InterEspaco*, Vol 2(6), pp 143-162.
- Spatio-Temporal Analysis of Urbanisation and Urban Sprawl in Imphal, Manipur (2106). *IASSI Quarterly: Contributions to Indian Social Science*, Vol. 35 (3), pp. 293-304.
- Trend and Development of Geography with spatial reference to Economic Geography in University of Delhi (2016). *Promoting Economic Geography Studies on "Inclusive Growth" in Contemporary India*, Proceedings in the international Seminar of Geography, Between Hiroshima University and University of Delhi. pp. 89-104.
- Understanding Human- Environment Interaction and Eco-Development Initiatives for Sustainable Future of Sariska National Park, Rajasthan, India (2016). *Journal of Water & Land use Management*, Vol. 16 (1 &2), pp 120-138.
- An Overview of Smart Cities in India (2016). *The Horizon: A Journal of Social Sciences*, Vol. 7 (1), pp. 23 – 35
- Rediscovering the Slums: A Case Study of Indira Camp No. 5 in Vikaspuri, West Delhi, India (2015). *International Journal of Current Research*, Vol. 7 (12), pp. 1-16.
- Impact of Metro Rail on the Urban Delhi (2015). *Uttar Bharat Bhoogol Patrika*, Vol. 45 (2), pp. 46-56.

- Assessment of Spatio- Temporal Expansion of Delhi Metro Rail (2015), *The Horizon: A Journal of Social Sciences*, Vol. 6 (2), pp. 159 – 170.
- Some Aspects on Prevailing Trends of Borrowing Money with Special Reference to a Remote Rural Area in Arunachal Pradesh (2015). *The Horizon*, Vol 6 (2), pp. 137 – 148.
- Varkala as a National Geopark of India: Geographical Realities, Geo-tourism and Community Participation (2014). *International Journal of Geoheritage*, Vol. 2(1), pp. 65-81.
- Emissions from Landfill sites and Solid Waste Management: An Approach to Mitigate Urban Climate Change in Delhi, India (2014). *The Horizon: A Journal of Social Sciences*, Vol. 5(2), pp. 100-105.
- Geo-Informatics Based Change Detection Study in Urban Zone Using Multi Temporal Satellite (2014). *Asian Academic Research Journal of Social Sciences and Humanities*, Vol. 1(23), pp. 325-334.
- Geodiversity, Geographical Heritage and Geoparks in India (2013). *International Journal of Geotourism*, Vol. 1(1), pp.10-26.
- Trend Analysis of Decadal Change in Minimum Temperature in 20th Century: Case of Delhi, India (2013). *The Indian Geographical Journal*. Vol. 88 (2), pp. 116-124.
- Some Aspects on Declining Water Table in Eastern Haryana (2013). *Journal of Water and Land Use Management*, Vol 13 (1), pp. 23-28.
- Status of Water Resource in Mirzapur District, Uttar Pradesh (2013). *Journal of Water and Land Use Management*, Vol 13, (2), pp. 1-12.
- Role of Resident Welfare Association (RWAs) in Solid Waste Management in Delhi (2013). *Journal of Water and Land-Use Management*, Vol 13, (2), pp. 43 – 56.
- Status of Vehicular Pollution in NCT of Delhi (2102). *International Journal of Advanced Research in Management and Social Sciences*, Vol. 1 (3), pp. 1-12.
- Municipal Solid Waste Management in Delhi- A Review (2011). *The Horizon: A Journal of Social Sciences*, Vol. 4 (2), pp. 131-143.
- Allahabad as Smart City: SWOT Analysis (2011). *The Horizon: A Journal of Social Sciences*, Vol. 4 (2), pp. 1-14.
- Irrigation Water Requirement for the Hindon Basin (2010). *The Horizon: A Journal of Social Sciences*, Vol. 3 (1), pp. 140-146.
- Irrigation Water Utilization Efficiency in the Hindon Basin, Manaviki (2010). *An Interdisciplinary Journal of Humanities & Social Sciences*, Vol. 1 (1), pp. 1-14.
- Geo-Political Growth of Non-Aligned Movement (2009). *The Horizon: A Jr. of Social Sciences*, Vol. 1(1), pp. 116-123.
- Current Status of Municipal Solid Waste Management Practices in Delhi (2008). *Annals of the National Association of Geographers, India*, (NAGI), Vol. 28(1), pp 36-50.

➤ **Research papers published in Academic Journals other than Refereed/PeerReviewed Journals:**

- Understanding Pollution, IGNOU Self Learning Material (SLM) Unit-8, Environmental Geography, Block-3 Environmental Problems and Management.
- तेज़ी से बढ़ता हुआ एकल उपयोग की सामग्रियों का उपयोग: एक विकराल समस्या के रूप, गृह पत्रिका, दिल्ली विश्वविद्यालय (In Press).
- Better Management of Agricultural Waste (2018). Energy Next, Vol. 9 (1), pp. 21-23.
- Sustainable Water Management (2018). World Focus, Vol. 39 (10), pp. 109- 113.
- The Cliff of Varkala (2019). Geography and You: India's Specular Geoheritage Sites, Vol. 19 (25), pp. 42-29.
- Editorial for Journal of Environmental Hazards, Vol. 1, (1), 2017 (ISSN: 2475-319X).
- Disaster Management and Technology (2016). World Focus, Vol 37(5), pp. 117.

➤ **Chapters in Book:**

- Assessing the Knowledge, Attitude and Impact of Covid-19 on the Health of Healthcare Workers in Gandhinagar, Gujarat, In Subhash Anand et al., (eds.) Cambridge Scholars Publishing, 2023, ISBN (13): 978-1-5275-2940-3.
- Global Pandemic Covid-19 as a Health Hazard: Issues and Challenges, In Subhash Anand et al., (eds.) Cambridge Scholars Publishing, 2023, ISBN (13): 978-1-5275-2940-3
- Sustainable Development Goals in Northeast India - Challenges and Achievements, In Subhash Anand et al., (eds.), Sustainable Development Goals in Northeast India - Challenges and Achievements (Edited) Springer Nature, April 2023.
- Just Transition, (Re)-vision 2020- The Story Hitherto, In Subhash Anand et al., (eds.), Sustainable Development Goals in Northeast India - Challenges and Achievements (Edited) Springer Nature, April, 2023.
- An Analysis of the Performance of Sustainable Development Goals (SDGS) in the North East Region of India: An Economics Perspective, In Subhash Anand et al., (eds.), Sustainable Development Goals in Northeast India - Challenges and Achievements (Edited) Springer Nature, April, 2023.
- Research Methods and Techniques in Physical Geography In F.B. Mustafa (ed.), Methodological Approaches in Physical Geography, Geography of the Physical Environment, Springer Nature Switzerland, 2022, (ISBN:9783031071133, 3031071131).
- Investigating the Variability in Sanitation and Sustainability Issues: Evidence from Resettlement Colonies of Delhi, In: Baleshwar Thakur, R. Thakur, Srikumar Chattopadhyay, R. K. Abhay (eds.) Resource Management Sustainable Development and Governance: Indian and International Perspectives, Springer, 2022.
- Analysing The Vehicles Induced Air Pollution and Its Impact in The Azadpur Mandi, Delhi, In: A. R. Siddiqui and Avijit Sahay (eds.) Climate Change, Disaster and Adaptations- Contextualizing Human Responses to Ecological Change, Springer, 2022.

- SWOT Analysis to Determine the Feasibility for Guwahati Smart City, In: R.K. Mishra et al. (eds.) Smart Cities for Sustainable Development, Springer, 2021.
- Research Methods and Techniques in Physical Geography, In: Furuza Begham Mustafa (ed) Methodological Approaches in Physical Geography, Springer, 2021.
- Ecological Challenges and Vulnerability Assessment for Exploring the Adaptation-Development Nexus for Sustainability in Alaknanda River Basin, Uttarakhand, India in: Seema Sahdev, R.B. Singh and Manish Kumar (eds.) Geocology of Landscape Dynamics, Springer, 2020, pp. 359-377, (ISBN: 978-981-15-2097-6).
- Efficiency Assessment of Sewage Treatment Plans for Treating Wastewater: Case Study of Narela Sewage Treatment Plants in Delhi, India. In: R.K. Mishra et. al. (eds.) Sustainable Climate Action and Water Management, Springer, 2021, pp. 60-72 (ISBN:978-981-15-8236-3).
- Spatio-Temporal Changes in Pichavaram and Sundarbans Mangrove Forest: A Geographical Analysis, In: V.P. Sati and K.C. Lalmalsawmzauva (eds.) Natural Resources Management for Sustainable Development and Rural Livelihoods, Today & Tomorrow's Printers and Publisher, New Delhi, Vol. 1, 2017, pp 307- 322. (ISBN: 81-7019-584-1)
- Low Carbon Resilient Delhi Megacity for Sustainable Future Earth, In: Y. Himiyama (ed). Exploring Sustainable Land Use in Monsoon Asia, Springer, Japan, 2017, pp 137- 155. (ISBN: 978-981-10-5926-1)
- Adaptation and Sustainability in Development: Case Study of Tawang District, Arunachal Pradesh, In: B.W. Pandey (eds.) Environmental Concerns and Sustainable Development in Himalaya, Research India Press, New Delhi, 2017, pp. 261-281. (ISBN: 978-93-5171-104-9).
- Perception of Waste Management in Delhi, In: B. Thakur, H.S. Sharma, S. Misra, S. Chattopadhyaya and S. Singh (eds) Regional Development: Theory and Practice, Volume, Vol. 2: Measuring Development, Concept Publications Company, New Delhi, 2017, pp.148-162. (ISBN: 978-93-512-2202-3)
- Trends and Development of Geography with Special Reference to Economic Geography in University of Delhi, In: Proceedings "Promoting Economic Geography Studies on Inclusive Growth in Contemporary India", International Seminar of Geography between Hiroshima University and University of Delhi, at Hiroshima University, Japan, Dec. 2016. pp. 89-104
- Understanding Cultivation Ecology in Twang- Chu River Basin, Arunachal Pradesh, In: Singh, P. (ed.) Climate Change and Sustainable Development, Shabd Vani Prakashan, Delhi, 2016. pp. 189-203
- Sustainability of Low Carbon Resilient Delhi Megacity: Perspectives for Future Earth, In: SLUS Science Report -2014, Japan, March 2014, pp. 161-176.
- Tourism and Solid Waste Management, In: Singh, R. B. and Hietala, R. (eds.) Livelihood Security in Northwestern Himalaya, Tokyo, 2014, Springer, pp. 189-202, (ISBN: 978-4-431-54868-3).

- Solid Waste Management in Indian Cities: Issues and Challenges, In: S. Anand (ed.) Progress in Environmental Management; Indian Experiences. Research Indian Press, New Delhi, 2013, pp. 175-193.
 - Landfill Sites: Status and Planning in Delhi, In: B.W. Pandey (ed.) Dynamics of Land Use Change Sustainability and Management, Research India Press, New Delhi 2012. pp. 119-135.
 - Climatology and Climate Change, In: R.B. Singh (ed.) Progress in Indian Geography: A Country Report, 32nd International Geographical Congress, Cologne, Germany, Indian National Science Academy (INSA), New Delhi, 2012, pp. 122-140
 - Economic Reforms and Employment Scenario in India: An Overview, In: B. S. Yadav et. al (eds.), New Economic Policies and Opportunities in India, Shree Publishers and Distributers, New Delhi, 2012, pp. 292-304.
 - Dynamics of Rural Development Programmes in Delhi, In: P. Patra (ed.), Fringe Dynamism in Delhi Metropolitan City, Globe Publishing House, New Delhi, 2011, pp. 125-134.
 - Some Aspects on Rules and Legislations for Solid Waste Management in Delhi, In: S. Anand (ed.), Ecodevelopment: Glocal Perspectives, R.I. Press, New Delhi, 2011, pp. 124 - 150.
 - Analytical Overview of Solid Waste Management: A Case Study of Delhi, In: Bhatt, M.S. and Illiyan, Asheref (eds.), Solid Waste Management: An Indian Perspective, Synergy Books India, New Delhi, 2011, pp. 194 -207.
 - Role of Waste Pickers in Urban Solid Waste Management in Delhi, In: R.N. Dubey (ed.), Urbanization and Urban Planning in India: Vision and Reality, New Delhi, 2010, pp. 303 – 310.
 - Recycling of Solid Waste Material, In: J. Singh and A.L. Ramanathan (eds.) Solid Waste Management: Present and Future Challenges, I.K. International Publication House, New Delhi, 2010, pp 74-83.
 - Wetlands – A Development Paradox – The Dilemma of South Chennai, In: B.W. Pandey (ed.), Hazard Ecology– Approaches and Techniques, Mittal Publication, Delhi, 2010. pp. 353-361.
 - Geomorphological Interpretation of Natural Hazards in North-East India, In: B.W. Pandey (ed.), Hazard Ecology– Approaches and Techniques, Mittal Publication, Delhi, 2010. pp. 363-376.
 - Solid Waste Generation and Management in Delhi: A Sustainable Approach, In: J. Singh (ed.), Environment & Development, I.K. International Publication House, Delhi, 2005, pp. 621-639.
 - Socio-Economic Implications of Rural Development Programme in Delhi, In: B.W. Pandey (ed.) Natural Resources Management, Mittal Publication, New Delhi, 2004, pp.315-329.
- **Participation in International Conferences, Seminars and Workshops (Outside Country):**
- Delivered lecture on “Tradition and Succession of Regional Geography in India”, in ICSSR-JSPS Joint Research Programme in the field of Social Sciences, Under Joint seminar ICSSR (India)--JSPS (Japan) on 10-18th March 2023 at Kwansai, Gakuin University, Japan

- Delivered lecture on “Analyzing Geotourism in Proposed Varkala Geopark, South India” in ICSSR- JSPS Research Program “Tradition and Succession of Regional Geography in India” Hosted by Kwansai Gaikun University, Kobe and Oita University, Japan, 11-17 March, 2023.
- Keynote Speaker on Sustainable Housing for Urban Poor in Delhi, 3rd Urban Economy Forum-2021 (UEF) in collaboration with UN-Habitat 5 October, 2021(online), Toronto, Canada.
- Lecture on Impacts of Forest Ecosystem Services on Livelihood Security and Sustainability, 20th Commonwealth Forestry Conference, 16-18 August, 2021(online) organized by Univ of British Columbia, Canada.
- Special Lecture on Urban and Peri Urban Agriculture in National Capital Region in 140th TOYAKA Seminar, 2 March, 2019, Hiroshima University, Japan.
- Lecture on Geoheritage Sites and Potential Geoparks in India: Need for Promotion and Development, in Beijing Normal University, 9 October, 2019, China.
- Leader of Indian Delegation on ICSSR- JSPS Joint Research Seminar on “Promoting Economic Geography Studies on Inclusive Growth in Contemporary India”, 23-24 December, 2016, Hiroshima University, Japan.
- Winter workshop on Sustainable Land use for Asia 2014 during 25-26 January, 2014 at Institute of Geography, Hokkaido University of Education, Ashahikawa, Japan.
- Regional Conference of International Geographical Union, Kyoto, Japan, 2013.
- APN- MAIRS Workshop on Development of an Integrated Climate Change Impact Assessment Tool for Urban Policy Makers, 29-31 Oct, 2012, Guangzhou, China.
- UGEC & SARCS Advanced Training Workshop on Urban Spatial Planning in response to Climate Change in Asia, 26-30 November, 2012, Taipei, Taiwan.
- 32nd Congress of International Geographical Union, 26-30 August, 2012, Cologne, Germany.
- 31st Congress of International Geographical Union, 12-15 Aug, 2008, Tunis, Tunisia.
- Commonwealth Geographical Bureau’s Workshop on Human Consequences of Climate Change, 20-24 June, 2005, University of Colombo, Sri Lanka.
- 30th Congress of International Geographical Union, 15-20 August 2004 Glasgow, United Kingdom.

➤ **Conference Organization/ Presentations (since 2016):**

- Delivered A talk on “Green Sustainability: Need of the Hour” in the annual function “Geofest -24” under the aegis of Green Genesis, Organised by the Department of Geography, Swami Shraddhanand College, University of Delhi, 22 April, 2024.
- Delivered A lecture on “Agriculture Development and Its Implications in India” on the occasion of Geofest (Nirdeshank 24) in the Department of Geography, Saheed Bhagat Singh Evening College (University of Delhi), April, 2024.
- Delivered A lecture on “Development and Promotion of Geopark and Geotourism in India” in the ICSSR Sponsored International Conference on Geographical Dimension of Sustainable and Recovery: Social Cultural and Environmental Concerns, 3-4 October, 2023.

- National Online Meet on Development of Geographical organized by the Indian Geographical Society, Institutions in India Chennai with support of Departments of Geography in University of Madras (Chennai), Bharathidasan University (Tiruchirappalli) and Central University of Tamil Nadu (Thiruvarur) during. 04-07, September 2020.
- International Webinar Series-1: Sustainable Development Through Geoheritage Conservation and Geotourism in Rokua UNESCO Global Geopark, Finland, Organized under the aegis of Geoheritage India Group, 18 August, 2020.
- Convener, IGU-India International E-Conference on Implication of Covid-19 on Local & Regional Sustainable Development: A Glocal Perspective, 27-28 June, 2020.
- One Day International Webinar on Global Health Crisis and Socio-Economic Impact of Covid-19: A Geographical Perspective, organized by Rajiv Gandhi University, Arunachal Pradesh, 18 June, 2020.
- Seminar on Covid-19 Pandemic: Its Impact on Environment, Economy and Society organized by Kanpur University Geographers Academic Association (KUGAA), 31 May, 2020
- First International Congress on Need for Women's Leadership in Fighting Against COVID-19 (Strategy and Response) Held Online On 28-29 May, 2020, New Delhi, India.
- Two Days International Workshop On COVID-19 Mass Disaster & Possible Management: Challenges for Immediate Future (Online) 5-6 May, 2020. India International Intellectual Society (IIS) in association with Central University of Pondicherry and Deenbandhu Chhotu Ram University (DCRUST), Murthal Haryana.
- Two Day Interdisciplinary National Conference cum Workshop on Gandhian Vision and Environment organised by Aditi Mahavidyalaya, University of Delhi, 6-7 March, 2019.
- National Conference on Urban Environment in the 21st Century: Issues and Challenges, Jamia, Millia Islamia, New Delhi, March 27, 2018.
- National Conference on Climate Change and Disaster Risk Reduction in Urban System, Aditi College, University of Delhi, 26-27 March, 2018.
- National Conference on Climate Change: Sustainable Agriculture and Environment, AMU, Aligarh, 17-18 March, 2018.
- International Conference on Livable Cities: Transforming Sustainability and its Challenges, SBS College, University of Delhi, 5-7 Feb; 2018.
- UGC -SAP- DRS- III, National Seminar on Environment and Resource & Urban and Regional Planning, University of Delhi, Delhi, 23-24 Dec; 2017
- International Conference on Urban Spaces and Gender: Exploring Gender Marginalization and equity in Urban Spaces in Asia- Pacific at India Habitat Center, New Delhi, 1-2 Nov; 2017.
- National Conference on Population, Environment and Sustainable Development in India, Rohtak, 2-3 Nov; 2017.
- National Seminar on Adaptation and Implication of Paris Agreement: National Initiative towards "Climate Change Mission, SBS (E) College, University of Delhi, New Delhi, 21-22 April, 2017.

- International Seminar on Spatial Decision Support Systems for United Nations Sustainable Development Goals, Kalindi College, University of Delhi, New Delhi, India, 1-2 Feb; 2017.
- National Seminar on Integrating Geospatial Technologies in Higher Education Curriculum, Geography and You, New Delhi, 7- 8 Dec; 2016.
- National Seminar on Climate Change and Sustainable Development in India: Problems and Challenges, Meerut College, Meerut, 13-14 Nov; 2016
- National workshop on Smart agriculture: A Blend of Ancient Wisdom and Modern Technology, Aditi College, University of Delhi, 29 March, 2016.
- 9th International Geographical Union Conference on Land use change, Climate extremes and Disaster Risk Reduction, SBS College, University of Delhi, 18-20 March, 2016.

➤ **Invited Lecture/ Chairing Session in Conference/ Seminar/ Workshop (Since 2016):**

- Chaired a Technical session in the International Collaborations Seminar, Himalayan Geosystem: Society and Sustainability. Organized by CHS, University of Delhi, 24th May, 2024.
- Chaired a technical session in the International Conference (Online) on “Climate Change, Disaster Management, and Environmental Sustainability” Organized by Department of Geography, Faculty of Sciences, Jamia Millia Islamia, New Delhi, 21-22 Feb; 2024.
- Delivered lecture as a resource person on “Analysing Geotourism in Proposed Varkala Geopark, South India. During ICSSR-JSPS Joint Research Program in the field of Social Sciences entitled “Tradition and Succession of Regional Geography in India” Hosted by Kwansai Gaikun University, Kobe and Oita University, Oita, Japan, 11-17 March, 2023.
- Organized a National Seminar, on Global Production Networks and Regional Development in Singapore and Thailand for Comparison with India, collaboration with “NIKKEI KGGYO” in India: Geographic Characteristics of Japanese-affiliated Firms at Department of Geography, Delhi School of Economics, University of Delhi, held on 29th December, 2023.
- Chaired A Technical Session and delivered a Lead Lecture during the 42nd IIG Annual Meet 2021 and International E-Conference on ‘Geography for People, Planet, Prosperity and Peace’ jointly organized by Department of Geography, Savitribai Phule Pune University, Pune and Institute of Indian Geographers from 04-06 October, 2021
- Chaired a technical session on Investing in Education, Innovation, and Policy Guidelines for Decision making in the present-day perspective, “Climate Change and Pathways to Self-Reliant India: Opportunities and Challenges for Sustainable Development” Jamia Millia Islamia, 15-16 March, 2021.
- Panelist in The Role of Natural and Cultural Heritage for Sustainable Regional Development, IGU-India, International Conference (Virtual) 2020 on Global to Local Sustainability and Future Earth, 18-20 Dec; 2020, organized by the Deptt of Geog, MLS University, Udaipur, Rajasthan.
- Online Inservice Programme for PGT Geography, DIET, State Council of Educational Research and Training (SCERT), Govt of Delhi, 19-29 October, 2020.

- Delivered online lecture on Tourism, NIOS, Govt of India, 28 August, 2020.
- Delivered an online lecture on Report Writing, IPE, Hyderabad, India, August, 2020.
- Delivered a lecture on Integrated Solid Waste Management for Sustainable Future Earth, Aditi College, University of Delhi, 20 February, 2020
- Chaired, IGU-India International E-Conference on Implication of Covid-19 on Local & Regional Sustainable Development: A Glocal Perspective, 27-28 June, 2020.
- Delivered speech on Methods of Waste Disposal for Environment Protection in Two Day Interdisciplinary National Conference cum Workshop on Gandhian Vision and Environment organised by Aditi Mahavidyalaya, University of Delhi, 6-7 March, 2019.
- Chaired a session in International Conference on Water Resources, Climate & Sustainability, IPE, Hyderabad, 27-28 September, 2019
- Chaired a session in National Seminar on Spatial Dimensions of Environmental Problems and Natural Resource Law on Forest and Biodiversity: Problems, Policies and Laws, SBSC, University of Delhi, 3-4 September, 2019.
- Delivered a lecture on Sustainable Agriculture, Geo Fest, SSNC, Univ of Delhi, March, 2019.
- Co-chaired session in IGU – India, Conference on Climate Change, Natural Disaster and Sustainable Development, Govt. Post Graduate college, Panchkula, 22-24 Feb; 2019.
- Co-chaired session in National Conference on Urban Environment in the 21st
- Century: Issues and Challenges, Jamia, Millia Islamia, New Delhi, 26-27 March, 2018.
- Guest of Honour in National Conference on Climate Change and Disaster Risk Reduction in Urban System, Aditi College, University of Delhi, 26-27 March, 2018.
- Chaired session in National Conference on Climate Change: Sustainable Agriculture and Environment, Aligarh Muslim University, Aligarh, 17-18 March, 2018,
- Co-chaired session in International Conference on Livable Cities: Transforming Sustainability and its Challenges, SBS College, University of Delhi, 5-7 Feb; 2018
- Coordinator of session in UGC -SAP- DRS- III, National Seminar on Environment and Resource & Urban and Regional Planning, University of Delhi, Delhi, 23- 24 Dec; 2017.
- Chaired session in National Conference on Population, Environment and Sustainable Development in India, Pt NRS Govt College Rohtak, Haryana, 02-03 Nov; 2017,
- Chaired Session in International Seminar on Spatial Decision Support Systems for United Nations Sustainable Development Goals, Kalindi College, University of Delhi, New Delhi, India, 01-02 Feb; 2017.
- Chaired session in National Seminar on Climate Change and Sustainable Development in India: Problems and Challenges, Meerut College, Meerut, 13 -14 November, 2016.
- Co- Chaired Session in 9th International Geographical Union Conference on Land use change, Climate extremes and Disaster Risk Reduction, SBS college, University of Delhi, 18-20 March, 2016.

- Special Guest in Geo-Fest, 2016, Department of Geography, Swami Shraddhanand College, University of Delhi, 17 March, 2016.
- Subject Expert for preparation of Definitional Dictionary of Climatology in English- Hindi, Commission for Scientific & Technical Terminology, Govt. of India, 18-22 Jan; 2016.

7. AWARDS AND DISTINCTIONS

- Dr. B. R. Ambedkar National Award 2023 in the category of Education by DR. B R Ambedkar Sports Foundation: An Organization in Special Consultative Status with United Nations Economic and Social Council.
- Dr. Rajendra Prasad Award by International Eminent Educationist Forum of India.
- First Dr. B.R. Ambedkar National Teacher Award by Delhi University SC/ST & OBC Teachers forum, New Delhi.

8. Association with Professional Bodies

9. Editorial

- **Vice- Chair**, Commission on Geoheritage, International Geographical Union (IGU).
- **Vice-President**, Indian Geographical Society (IGS), University of Madras. Established in 1926.
- **Associate Editor-in-Chief**, Int Journal of Geoheritage and Parks, (e- ISSN: 2577-445X).
- **Writer & Editor**, Learner Guide- 213-Social Science, National Institute of Open Schooling.
- **Writer & Editor**, Senior Secondary Course on Tourism (337), NIOS.
- **Writer**, Senior Secondary Course- Geography (316), National Institute of Open Schooling.
- **Member**, Refereed Panel, The Geographical Observer, Meerut College Geographical Society Meerut, U.P (ISSN No. 00720925)
- **Review Editor**, Frontiers in Climate: Climate and Economics, 2021.
- **Guest Editor**, Annals of National Association of Geographers, India, Vol. XXVI, June 2006.
- **Advisory**, Indian Journal of Geography (ISSN 05372011).
- **Member:** Board of Reviewers, Indian Journal of Spatial Science (ISSN 2249-3941).

10. Membership

- Life Member, National Association of Geographers, India (NAGI).
- Life Member, Association of Geographical Studies (AGS).
- Life Member, The Deccan Geographers, Geographical Society of India (DGJ).
- Member: National Geographical Journal of India, (NGJI).
- Life Member: Society for Pathways to Sustainability (PathS).
- Member, Advisory Committee, Indian Journal of Geography (ISSN 0537- 2011).

11. Other Activities: Refresher/ Orientation		
Refresher/ Orientation	Refresher Course in Environmental Studies conducted by Centre for Professional Development Higher Education (CPDHE), University of Delhi 25 Feb – 2008	2008
	Refresher Course in Geography & Environmental Studies conducted by Academic Staff College (ASC), Jamia Millia Islamia, 10 August - 31 Aug, 2007	2007
	Orientation Course organized by Centre of Professional Development in Higher Education (CPDHE), University of Delhi, 3 March-1 April, 2003	2003
	Refresher Course in Geography conducted by Academic Staff College (ASC), Jamia Millia Islamia, 28 November-18 December, 2000.	2000

Signature of Faculty Member