




DEPARTMENT OF GEOGRAPHY DYAL SINGH COLLEGE, UNIVERSITY OF DELHI FACULTY DETAIL



Title	Dr.	First Name	Shweta	Last Name	Rani	<div>Photograph</div> 
Designation		Assistant Professor				
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Residence		-				
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Educational Qualifications

Degree	Institution	Year
10th	ST. PAUL'S HIGH SCHOOL, PATNA	2000
12th	PATNA WOMEN'S COLLEGE, PATNA (State Topper)	2002
B.A (Hons.) Geography	PATNA WOMEN'S COLLEGE, PATNA (Topped the Stream)	2005
M.A (Geography)	DEPARTMENT OF GEOGRAPHY, DELHI SCHOOL OF ECONOMICS, UNIVERSITY OF DELHI (Gold Medalist)	2007
M.Phil	DEPARTMENT OF GEOGRAPHY, DELHI SCHOOL OF ECONOMICS, UNIVERSITY OF DELHI	2008
Ph.D	DEPARTMENT OF GEOGRAPHY, DELHI SCHOOL OF ECONOMICS, UNIVERSITY OF DELHI	2013

Career Profile

Dr. Shweta Rani is currently working as Assistant Professor (Senior Grade) in the Department of Geography at Dyal Singh College, University of Delhi. She holds 'Masters in Geography', 'M.Phil. and PhD' (Geography) from Department of Geography, Delhi School of Economics, University of Delhi. She has a rich and varied teaching experience of almost 12 years at University of Delhi and her keen research interests includes, Urbanization and Development, Advanced Statistical Methods in Spatial Analysis, Research Methodology, Geoinformatics, Hydrology and Water Resource Management and Sustainable and Regional Development. She possesses an exceptionally high and commendable academic excellence and achievements.

Dr. Shweta Rani passed her higher secondary examination (10+2) from Patna Women's College, BIEC, Patna in 2002 and secured first place both at the level of college and in the state of Bihar receiving the award of "Shanti Lata Memorial Scholarship". She graduated in Geography in 2005. Dr. Rani was awarded "Mother Theodosia A.C. Memorial Scholarship" for topping/securing highest marks in Geography in Patna Women's College, Patna University, year 2005. She also grabbed the Best Research Paper Presentation award for two consecutive papers in 2005 by UGC. She is also the recipient of "Smt. Draupadi Ishwari Prasad Bhargava Memorial Gold Medal" from University of Delhi (2008) and awarded fellowship for meritorious students in Science by UGC (2012). She grabbed the prestigious award for National level "Geographer's Youth Conclave" for two consecutive years in 2019 and 2020. Recently, she has been conferred with the prestigious "NAARI SHAKTI Best Women Academician Award", Awards for Women-2022 on 8th March 2022 followed by "GC Memorial Best Research Author

Award” on September 5, 2022.

Dr. Rani has been immensely recognized and appreciated for her research work with more than 20 research papers to her credit in Reputed Journals in India and abroad including her contributions as chapters in edited books by well-known scholars. Dr. Rani has also carried out major project (from ICSSR) in capacity of Co-PI and supervising M. Phil and Ph. D students. She has presented over 40 Research Papers in several Conferences/ Seminar/ Workshops in India and Abroad and received numerous awards for Best Research Paper Presentations both at the international and national level. She has delivered more than 30 invited talks at different institutions of higher learning in India. She is also a member of several academic committees, geographical bodies, and editorial boards.

CONDUCTED SESSIONS IN UGC-HRDC/TLC RAMANUJAN COLLEGE, DU

(FIP/FDP/REFRESHER COURSE/SHORT TERM COURSES)

1. Acted as **Resource Person** and conducted a session on ***‘Ethics and Steps in Writing a Book Review’*** in the UGC-STRIDE Refresher Course on ‘Research Methodology : Research Ethics, Methods, Skills, Writing and Communication’ on 19th August, 2020, organised by UGC-HRDC, Mizoram University, Aizawl, 19th August-1st September, 2020.
2. Acted as Resource Person and conducted a session on ***‘Conducting a Book Review’*** on 22nd December, 2021 in the 7th Faculty Induction Program, organised by UGC-HRDC, Dr. Harsingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh, 1st December, 2021 – 5th January, 2022.
3. Acted as **Resource Person** and conducted a session on ***‘Gender Equality and Mainstreaming Women in Achieving Sustainable Development Goals 2030’*** on 25th January, 2022 in the 28 Days GURU DAKSHITA 8th Faculty Induction Program, organised by UGC-HRDC, Ranchi University, Ranchi, Jharkhand, 4th January – 31st January, 2022.
4. Acted as **Resource Person** and conducted a session on ***‘Steps in Conducting a Book Review’*** on 3rd February, 2022 in the 8th Faculty Induction Program, organised by UGC-HRDC, Dr. Harsingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh, 24th January – 28th February, 2022.
5. Acted as **Resource Person** and conducted Two sessions on ***‘Understanding the Points of a Book Review’*** 8th March, 2022 in the 6th Faculty Induction Program, organised by UGC-HRDC, Dr. Babasaheb Ambedkar, Marathwada University, Aurangabad, Maharashtra, 01st February – 9th March, 2022.
6. Acted as **Resource Person** and conducted Two sessions on ***‘Understanding the key Steps of Book Review for Research’*** on 13th March, 2022 in the 7th Faculty Induction Program, organised by UGC-HRDC, Allahabad University, Allahabad, Uttar Pradesh, 2022.
7. Acted as **Resource Person** and conducted a session on ***‘Urban Geo-hydrology and Water Balance in Delhi Metropolitan Region’*** on 9th July, 2022, In, the Online Two-week Refresher Course on Recent Trends in Geography, organised by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Department of Geography and IQAC, Gramin (ACS) Mahavidyalaya Vasantnagar Kotghal, Nanded, Maharashtra and Sambhaji College, Latur,

Maharashtra, India, 26th June-10th July, 2022.

8. Acted as **Resource Person** and conducted Two sessions on '**Hypothesis Testing and Analysis and Conclusion**', 13th July, 2022 in the Short Term Course (STC) on *Research Methodology*, organised by UGC-HRDC, Dr. Babasaheb Ambedkar, Marathwada University, Aurangabad, Maharashtra, 11th – 16th July, 2022.
9. Acted as Eminent Speaker and conducted a session on '**Quality Research, Innovation and Entrepreneurship**', 30th July, 2022 in One Week Faculty Development Program (FDP) on *New Reforms in Higher Education with Reference to NEP 2020*, organised by IQAC and School of Basic and Applied Sciences, School of Education, K. R. Mangalam University, Gurgaon, in associated with Council for Teacher's Education Forum, Delhi-NCR Chapter, 27th July – 2nd August, 2022.
10. Acted as Resource Person and conducted a session on '**Understanding Issues of Plagiarism**', 4th September, 2022 in the 10 Days Faculty Development Program (FDP) on *Understanding Issues of Research Publication in UGC-CARE Journals*, organised by Council for Teacher's Education Forum, Delhi-NCR Chapter in collaboration with Social Development and Research Foundation (SDRF), 2022.
11. Acted as Resource Person and conducted a session on '**Book Review: Steps, Significance and Relevance in Research**' on 9th September 2022 in the 11th Faculty Induction Program, organised by UGC-HRDC, Dr. Harsingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh, 1st September 2022 – 28th September 2022.
12. Acted as Resource Person and conducted a session on '**Catalysing Quality Academic Research in All Fields through a new National Research Foundation**' on 25th September 2022 in One-Week Faculty Development Program (FDP) on *New Education Policy-2020*, organised by Ras Bihari Bose Subharti University, Dehradun in association with Council for Teacher's Education Forum, Delhi-NCR and Uttarakhand Chapter, 24th – 29th September, 2022.

OUTREACH PROGRAMS BY IIRS, ISRO, DEPARTMENT OF SPACE, GOVT. OF INDIA

1. 59th IIRS Outreach Online Program on "**Overview of Planetary Geosciences with special emphasis to the Moon and Mars**", 8th - 12th June, 2020.
9013 Online Course on "**Health GIS: Geoinformatics for COVID 19**", 15th - 19th June, 2020
2. 7001 Online Course on "**Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials**", 13th June – 1st July, 2020.
3. 61st IIRS Outreach Online Program on "**Satellite Photogrammetry and its Application**", 29th June – 3rd July, 2020.
4. 62nd IIRS Outreach Online Program on "**Geospatial Inputs for Enabling Master Plan Formulation**", 27th – 31st July, 2020.
5. 63rd IIRS Outreach Online Program on "**Remote Sensing Applications in Agricultural Water Management**", 3rd – 7th August, 2020.
6. 64th IIRS Outreach Program on "**Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System**", 17th August – 20th November, 2020.

DEPARTMENTAL RESPONSIBILITIES

1. **'Admission Committee'**, Department of Geography', Dyal Singh College, University of Delhi for the academic sessions: 2015-16, 2017-18, 2018-19 & 2019-20.
2. **'Convener'** of Geography Society, Department of Geography, Dyal Singh College, University of Delhi from 1st May, 2017 - 30th April, 2018.
3. **'Superintendent of Practical Exam'** Department of Geography', Dyal Singh College, University of Delhi from 1st May 2018 - 30th April, 2019.
4. **'Head of the Department'** of Geography', Dyal Singh College, University of Delhi from 1st May 2018 - 30th April, 2019.
5. **Editor of Dharini** -The Annual Magazine of Department of Geography, Dyal Singh College, University of Delhi from 1st May, 2019 - 30th April, 2020.
6. **Co-Convener:** One Day National Webinar on "Gendered Spaces: Perspectives and Challenges" organized by Department of Geography, Dyal Singh College, University of Delhi, 10th September, 2021.
7. **Co-Convener:** One Day National Webinar on "Gendered Spaces: Perspectives and Challenges" organized by Department of Geography, Dyal Singh College, University of Delhi, 10th September, 2021.
8. **Co-Convener:** One Day National Webinar on "Climate Stabilization: Challenges Before Us" organized by Department of Geography, Dyal Singh College, University of Delhi, 16th November, 2021.
9. **Co-Convener:** 1st Model United Nations, organized by Department of Geography, Dyal Singh College, University of Delhi, 3-4th February, 2022.
10. **Co-Convener:** Alpana: Rangoli Making Competition, In, Dharaini: Annual Geo-Fest, Geography Society, organized by Department of Geography, Dyal Singh College, University of Delhi, 3rd March, 2022.
11. **Co-Convener:** Poster It: Digital Poster Making Competition, In, Dharaini: Annual Geo-Fest, Geography Society, organized by Department of Geography, Dyal Singh College, University of Delhi, 3rd March, 2022.
12. **Co-Convener:** Aalap: Music Competition, In, Dharaini: Annual Geo-Fest, Geography Society, organized by Department of Geography, Dyal Singh College, University of Delhi, 4th March, 2022.
13. **Co-Convener:** One Day National Webinar on "GIS: Present and Future" organized by Department of Geography, Dyal Singh College, University of Delhi, 7th September, 2022.

Areas of Interest / Specialization

Urbanization and Development, Advanced Statistical Methods in Spatial Analysis, Research Methodology, Geoinformatics, Hydrology and Water Resource Management and Sustainable and Regional Development

Subjects Taught	
Practical Papers:	Cartographic Techniques Thematic Cartography Statistical Methods in Geography Research Methods Remote Sensing Introduction to GIScience Computer Aided Mapping and Thematic Atlas
Theory Papers:	Advanced Statistical Spatial Techniques Agricultural Geography Climatology Contemporary Environmental Issues Climate Change and Vulnerability and Mitigation Disaster Management Economic Geography Environmental Studies Geomorphology Geography of India Hydrology and Oceanography Hydrology and Soil Studies Physical Geography Rural Development –Planning and Policy Regional Planning: Case Studies Social Geography Spatial Economic System Spatial Dimensions of Development Sustainable Development Transport Network and Flows Urban Geography
Research Guidance (02)	
Ph. D (01)	1. Smriti Rai (registered in April 2021): Pursuing her Ph.D. on the topic- <i>Urbanization, Resilience of</i>

Economy and Sustainability in Sikkim Himalaya.

M. Phil (01)

1. Jyoti Kumari (registered in January 2021): Pursuing her M. Phil on the topic- ***Impact of Tourism on Sustainable Livelihood of Local Communities in Bodh Gaya, Bihar.***

Publications Profile (From 1st July 2017 onwards)

(A) Research Papers Published in Impact Factor /Peer Reviewed Journals

International

1. **Rani, S.,** Zaidi, A., & Bhardwaj, S. (2019). Geographical Penetration of Digital Shopping in India: Trending towards E-commerce and Cashless Economy." In, *International Journal of Humanities and Social Science Research*, (ISSN:2455-2070), 5(6): 175-181, November-December, 2019. **(Peer-Reviewed)**
2. **Rani, S.,** Mishra, T., Jha, J., & Kumar, R. (2020). Geo-Statistical Analysis of Increasing Addiction to Electronic Gadgets and its Impact on Social Interaction in Everyday Geography of Delhi. In, Research Review *International Journal of Multidisciplinary*, (ISSN:2455-3085), 5(9): 279-289, September, 2020.

DOI: <https://doi.org/10.31305/rrijm.2020.v05.i09.069>

(Peer-Reviewed and Referred)

3. Abhay R.K., **Rani, S.** and Kumar, V. (2021). Constraints in Achieving Agricultural Sustainability in Siddharthnagar District, Uttar Pradesh. In, *Journal of Research and Development*, (ISSN:2230-9578), 11(13): pp. 78-86, May, 2021.

(International Level Refereed and Peer-Reviewed Journal)

4. **Rani, S.,** Bajpei, A.D., Kamakhya (2021). Water Scarcity, Public Investment and Sustainability in Delhi Metropolitan Region: Identification, Challenges and Future Prospects, In, *International Journal of English Literature and Social Sciences*, (IJELS Research Journal), (ISSN:2456-7620), 6(3): pp. 419-437, May-June, 2021.

CrossRef DOI: 10.24001/ijels, Impact Factor: 3.3

(Peer-Reviewed and Referred)

5. **Rani, S.,** Singh, J. and Kumar, Y. (2022). The Visible Crisis of an Invisible Resource: Ground Water Depletion and its Sustainability in Mansa District, Punjab. In, *Journal of Research and Development*, (ISSN:2230-9578), 14(5): pp. 1-11, June, 2022.

(International Level Refereed and Peer-Reviewed Journal)

6. Roy, S., Khan, I. A., Bhuyan, J., **Rani, S.,** Indira, R., & Jayadatta, S. (2022). Implementation of knowledge management and utilizing tools in healthcare for making evidence-based decisions. *International Journal of Health Sciences*, (ISSN: 2550-6978), 6(S5).

<https://doi.org/10.53730/ijhs.v6nS5.9268>

Scopus Indexed Journal

National

1. **Rani, S.** (2011). An Investigative Analysis of Growth of Demography in Bihar: Reflections from

Census 2011. In, *Magadh Geographical Review*, of, *Magadh Bhoogol Parishad*, Gaya, 11 (1), (ISSN:0975-489X), pp. 140-150.

2. **Rani, S.** (2017). Economic Growth and Urbanization in India (1981-2011). In, *Journal of Regional Symbiosis*, Kanpur, (ISSN:0972-2041), Vol. 25, 2017, pp. 115-126.

(Old UGC Approved Journal)

3. **Rani, S. & Abhay R.K.** (2021) Regional Dimensions of Spatial Variations in Socio-Economic Development in Siddharthnagar District, Uttar Pradesh. In, *The Horizon- A Journal of Social Sciences*, (ISSN-0975-5535), No.-1/2021, Volume-XII, January-June 2021, pp. 105-121.

(Peer-Reviewed)

4. Abhay R.K. & **Rani, S.** (2021) Intra-District Variations and Emerging Concerns in Agricultural Development of Siddharthnagar District, Uttar Pradesh. In, *The Indian Geographical Journal*, (ISSN-0019-4824), No.-1/2021, Volume 96(1), June 2021, pp. 1-14.

(UGC-CARE Listed and Peer-Reviewed)

5. Sharma, V., Singh, P. K., Ramachandran, G., & **Rani, S.** (2022). Role of Technology in Green Banking in India: An Empirical Study of Private Sector Banks. *Journal of Positive School Psychology*, (ISSN: 2717-7564), 6(6): 2196-2203.

Cite Score 2021: 3.6

Scopus Indexed Journal-SJR-Q2

(B) Book Authored/Edited

1. **Rani, S.,** Kumari, V., Radhika, P. C., & Kaur, J. **(eds.) (2022).** *Covid-19: Impact and Response*. Kolhapur: Bhumi Publishing.
2. (Forthcoming) Abhay R.K., Pandey D.N. & **Rani, S. (eds.) (2022*)** “*Constraints on Achieving Sustainability in India*”, New Delhi: TERI Publication.

(C) Chapters Contributed to Edited Books

1. Rani, Shweta (2017) Sustainable Development of Civic Amenities in Urban India: Vision- From a City in Need to Smart Cities Indeed. In: Rashmi, M. et.al. (eds.) *Development and Management of Urban Infrastructure in India*, New Delhi: Rajesh Publications, ISBN: 978-93-83684-38-0, pp. 263-278.
2. Rani, Shweta (2020) Digitization: The Beginning of New Era in the Transformation of Rural India. In: Punyatoya, Patra. et.al. (eds.) *Smart Agriculture: Ancient Wisdom and Modern Technology*, New Delhi and Jaipur: Rawat Publications, ISBN: 978-81-316-1137-1, pp. 10-24.
3. Rani, Shweta and Prasad A.S. (2021) ‘*Ecological Challenges, Future Events and Sustainable Development: A Case Study of Alaknanda River Basin, Uttarakhand, India*’ In, Chauhan, Sangeeta (ed.) *Changing Paradigms in Interdisciplinary Research in Higher Education*, New Delhi: Bloomsbury Publications, ISBN: 978-93-90358-52-6, pp. 52-61.
4. Rani, Shweta (2022) Urban Sustainability and Good Governance in Delhi Metropolitan Region. In: Thakur, B., Thakur, R.R., Chattopadhyay, S., Abhay, R.K. (eds) *Resource Management, Sustainable Development and Governance: Indian and International Perspectives*. Sustainable Development Goals Series. Springer, Cham, Switzerland: Springer Nature, ISBN978-3-030-85839-1, pp. 507-518.

A. INTERNATIONAL LEVEL

I. Resource Person/Keynote Speaker and Invited Lecture/Expert

1. **Keynote Speaker**, In, the 3rd International Conference on “Recent Research Developments in Environment, Social Sciences and Humanities”, New Delhi organized by Indian Federation of United Nations Associations (IFUNA), New Delhi, 14th October, 2017.
2. **Invited Speaker**, In, the First International Congress on “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, 28 – 29 May, 2020.
3. **Invited Speaker/Expert**, In, the First International Congress on “Geospatial Technology & Sustainable Development, Organized by Department of Geography, Faculty of Humanities and Social Sciences, IASE (Deemed to be) University, Rajasthan, 25 – 26 June, 2020.
4. Acted as **Resource Speaker** and delivered a talk on **‘Diffusion of Modern Digital Technology and Geoinformatics: A Move Towards Rural Transformation’** in the International Webinar on ‘Recent Advances In Geospatial Technology and Its Role in Rural Development’ conducted by MLK (PG) College, Balrampur, UP, 20th September, 2020.
5. Acted as **Resource Person** in One-Week International e-Workshop on **‘Introduction to Geospatial Technology’** on 7th July, 2022, conducted by GEOSPATIAL MAPPLE, Lucknow, U.P, 1st- 7th July, 2021.
6. Delivered an **Expert Lecture** on **‘Geospatial Technology and Health GIS’**. In, the International Seminar on ‘An Interdisciplinary Theme Environment Management for Sustainable Development: Issues and Challenges-A Pragmatic Approach, organised by Department of Geography, Government College Sidhrawali, Gurugram, Haryana, under the aegis of Department of Higher Education, Haryana in collaboration with Department of Geography, IASE (Deemed to be University) Sardarshar, Rajasthan and NIGMT Foundation, New Delhi, 30th July, 2021.
7. **Keynote Speaker**, In, the **World Environment Summit** organised by Saksham Society, Jaipur, Rajasthan, 26th October, 2021.
8. Delivered an **Expert Lecture** on **‘Role of Women in Sustainable Lifestyle’** In, the Global Women Empowerment Series : Achieving gender equality and empowering all women and girls with disabilities (SDG-5), organised by Saksham Society, Jaipur, Rajasthan, 16th January, 2022.
9. **Expert Lecture** on **‘Green Materials for Sustainable Environment’** In, the 1st International Conference on ‘Emerging Trends in Science and Technology’, organised by Vedanta P.G. Girl’s College, Reengus, Sikar, Rajasthan, 29-31 March, 2022.
10. **Eminent Speaker and Expert Lecture** on **‘Water Crisis, Conservation and Remedial Measures at Household Level: A Study of Delhi Metropolitan Region towards Sustainable Development’** In, the International Conference on ‘Depleting Natural Resources Environmental Crisis and Remedies in Jambhani Philosophy’, organised by Guru

Janbhashwar Environment Conservation Research Chair, Jai Narain Vyas University, Jodhpur, Rajasthan, India, 5-6 June, 2022.

II. Chair, Co-Chair

1. Rani, Shweta (2020) '**Chair**' in Technical Session "3" In, the First International Congress on "*Geospatial Technology & Sustainable Development*, Organized by Department of Geography, Faculty of Humanities and Social Sciences, IASE (Deemed to be) University, Rajasthan, 25 – 26 June, 2020.
2. Rani, Shweta (2021) '**Co-Chair**' in Technical Session 3 entitled –Quality Education, In, the International Conference on 'Future Challenges and Sustainable Development Goals: Science to Policy Framework' organized by International Coordination and Development Programme (ICDP), Shaheed Bhagat Singh College, University of Delhi, Delhi, 16th-18th April 2021.
3. Rani, Shweta (2021) '**Co-Chair**' in Technical Session 2 entitled –Management of Forest, Biodiversity Conservation and Challenges, In, the 42nd IIG Annual Meet, 2021 and International E-Conference on 'Geography for People, Planet, Prosperity and Peace' organized by Department of Geography, Savitribai Phule Pune University, Pune (SPPU) in association with Institute of Indian Geographers (IIG), 4th-6th October 2021.
4. Rani, Shweta (2022) '**Co-Chair**' in Technical Session 7 entitled –Geospatial Technologies and Innovations in Disaster Management on 6th April 2022, In, the International Conference on 'Challenges to Disaster Risk Reduction and Resilient Habitat' organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, Delhi, 5th-6th April, 2022.

III. Presentations

1. **Rani, Shweta (2018)** '*Delhi Metropolitan Region: On the Brink of Ecological Sustainability*' Paper presented, In, "the International Conference on "Livable Cities: Transforming Sustainability and its Challenges," organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, New Delhi, 5th-7th February, 2018.
2. **Rani, Shweta et. al. (2018)** '*Paradigms Shifts in Approaching Floods in India*' Paper presented, In, the "First International Conference on "Mass Disaster and Emergency Management (A Life Saving Strategy)," organized by National Task Force for Disaster Management in association with Kingsmead School, England and Dyal Singh College, University of Delhi, New Delhi, 20th-21st April, 2018.
3. **Rani, Shweta** and Prasad A.S. (2019) '*Ecological Challenges, Future Events and Sustainable Development: A Case Study of Alaknanda River Basin, Uttarakhand, India*' Poster presented, In, the "International Conference on "Changing Paradigms in Interdisciplinary research in Higher Education," organized Faculty of Education, Guru Gobind Singh Indraprastha University, New Delhi, 22nd-24th January, 2019.
4. **Rani, Shweta (2020)** '*E-Learning Methods amidst COVID-19: Opportunities and Challenges*' Paper presented, In, the International Webinar on "Challenges to Higher Education post COVID-19," organized by IQAC, Vasant Kanya Mahavidyalaya, Varanasi, 16th May, 2020.
5. **Rani, Shweta (2020)** '*Mental Health and Coping Strategies for Children Amidst Lockdown during Covid-19 in India*' Paper presented, In, the International Webinar on "Mental Health and Coping Strategies during COVID-19 and Lockdown," organized by DAV P.G College,

Varanasi, 17 - 18 May, 2020.

6. **Rani, Shweta (2020)** '*Geographical Analysis of Impacts of Pandemic COVID 19 on Tourism Industry in India: A Statistical Enquiry*' Paper presented, In, the Online International Conference on "COVID-19 Pandemic and World Tourism-Hospitality: Trends, Challenges and Future Prospects," organized by IQAC, Patna Women's College (Autonomous), Patna University, 26 - 27 May, 2020.
7. **Rani, Shweta (2020)** '*Strategies for Sustainable Regional Development Post Pandemic Covid-19*' Paper presented, In, the Online International Webinar on "Issues and Challenges of Covid-19: With reference to Regional Development Planning Strategies," organized by Department of Geography, M.D.P.G College, Pratapgarh, UP, 7 - 8 June, 2020.
8. **Rani, Shweta (2020)** '*Concretization, Climate Change and Environmental Sustainability in Delhi Metropolitan Region*' Paper presented, In, the International Webinar on "Environment and Human Interaction Effects in Post Covid-19 Era," organized by Department of Botany and Zoology, MMH College, Ghaziabad, C.C. S University, 9 June, 2020.
9. **Rani, Shweta (2020)** '*Technological Advancement, Environmental Sustainability and Human Welfare: The New Normal Trend*' Paper presented, In, the International Conference on "New Normal: Corporate and Self-Management in Current Scenario," organized by School of Management, Gautam Buddha University, Greater Noida, 17 - 18 June, 2020.
10. **Rani, Shweta (2020)** '*Innovative Practices in Environmental Sustainability in Delhi*' Paper presented, In, the International Conference on "Innovations and Practices in Biological and Environmental Sciences," organized by Department of Botany, Raghunath Girl's P.G College, Meerut and MIET, Meerut, 28 June, 2020.
11. **Rani, Shweta (2020)** '*Trends, Challenges, Sustainable Tourism and its Impact on Economy and Society in India During and Post Pandemic Covid-19*' Paper presented, In, the International Web-Conference on "Covid-19 Pandemic from the Eyes of Geography: Global, National and Regional Perspectives," organized by Department of Botany, Gauhati University, Assam, In collaboration with Commonwealth Geographical Bureau, 11-12 September, 2020.
12. **Rani, Shweta (2021)** '*Concretization and Environmental Sustainability in Delhi Metropolitan Region: Future Challenges and Innovative Practices*', Paper presented, In, the International Conference on 'Future Challenges and Sustainable Development Goals: Science to Policy Framework' organized by International Coordination and Development Programme (ICDP), Shaheed Bhagat Singh College, University of Delhi, Delhi, 16th-18th April, 2021.
13. **Rani, Shweta and Kumari Jyoti (2021)** '*Post Covid 19 Management in Patna Urban Agglomeration*', Paper presented, In, the International Seminar on 'An Interdisciplinary Theme Pandemic Covid-19 Management: Issues & Challenges – A Global and Regional Perspective' organized by Department of Geography, Government College Sidhrawali, Gurugram, Haryana, under the aegis of Department of Higher Education, Haryana in collaboration with Department of Geography, IASE (Deemed to be University) Sardarshar, Rajasthan and NIGMT Foundation, New Delhi, 18th August, 2021.
14. **Rani, Shweta (2021)** '*Multivariate Analysis of Land Resilience and Agricultural Development in Siddharthnagar District, Uttar Pradesh*', Paper presented, In, the 42nd IIG Annual Meet, 2021 and International E-Conference on 'Geography for People, Planet, Prosperity and

Peace' organized by Department of Geography, Savitribai Phule Pune University, Pune (SPPU) in association with Institute of Indian Geographers (IIG), 4th-6th October, 2021.

15. **Rani, Shweta** and Mahima (2022) '*Climate Change induced Hydrological Regime and Sustainable Conservation Strategies in Delhi Metropolitan Region*', Paper presented, In, One-Day International Conference (virtual) on 'Conservation and Planning Strategies for Sustainable Development: A Global Perspective' organized by Centre for Climate Change and Water Resources, Suresh Gyan Vihar University, Jaipur, Rajasthan, (India), 5th March, 2022.
16. **Rani, Shweta (2022)** '*Climate Change, Livestock Rearing and Meat Consumption: A Degree of Food Habits and Food Choice Difference*', Paper presented, In, International Conference (virtual) on 'Climate Change, Natural Hazards and Sustainable Livelihoods' organized by Department of Geography, Kirori Mal College, University of Delhi, (India), 12th-13th March, 2022.
17. **Rani, Shweta (2022)** '*Water Balance Changes in response to Climate Change and Hydro-Sustainable Practices in Delhi Metropolitan Region*', Paper presented, In, International Conference (virtual) on 'Climate Change, Natural Hazards and Sustainable Livelihoods' organized by Department of Geography, Kirori Mal College, University of Delhi, (India), 12th-13th March, 2022.
18. **Rani, Shweta** and Kumai Jyoti (2022) '*Supporting Sustainable Livelihoods through Tourism: A Case Study of Bodh Gaya, Bihar*', Paper presented, In, International Conference (virtual) on 'Climate Change, Natural Hazards and Sustainable Livelihoods' organized by Department of Geography, Kirori Mal College, University of Delhi, (India), 12th-13th March, 2022.
19. **Rani, Shweta (2022)** '*Disaster Resilient Transport and Disaster Risk Preparedness of Delhi Metro during Fire Hazard: A Case Study of Central Secretariat Metro Station, New Delhi*', Paper presented, In, International Conference (virtual) on 'Challenges to Disaster Risk Reduction and Resilient Habitat' in Collaboration with National Institute of Disaster Management, GoI and International Geographical Union Commission on Hazard and Risk' organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, (India), 5th-6th April, 2022.

III. Participation

1. 4th **India Water Forum** conducted by TERI in association with Ministry of Water Resources India Habitat Centre, Lodhi Road, New Delhi, 5th-6th March, 2019.
2. **International Conference on Sustainability Education (ICSE)** organized by TERI at India Habitat Centre, Lodhi Road, New Delhi, 9th-10th September, 2019.
3. **UGC-UKIERI Research Project (HiFLO-DAT) Workshop on Indian Himalayan Flood Database & Disaster Risk Reduction (DRR)** between University of Delhi and Bath Spa University, United Kingdom, 22nd-23rd October, 2019.
4. International Webinar Lecture Series on **Application of Geospatial Technology** organized by Amity Institute of Geo-Informatics and Remote Sensing (AIGIRS), Amity University, Noida, U.P., 11 - 25 June, 2020.
5. One-Day International Webinar on '**The Writers' Convention**' organized by Department of English (SF), Kamaraj College, 13th July, 2020.

6. International Webinar on '**Energy and Environment**' organized by Govt. Maharani Laxmi Girls P.G. College, Indore, India, 14th July, 2020.
7. Online Round Table Conference on '**Geographical Perspectives of Water Resources: Issues and Challenges**' jointly organized by the Russian Geographical Society (RGS) and the National Association of Geographers, India (NAGI), 16th July, 2020.

B. NATIONAL LEVEL

I. Resource Person/Keynote Speaker and Invited Lecture/Expert

1. Delivered **Valedictory Address** on '**Application and Future of Statistics in Social Sciences**' in the National Level Online Workshop, organised by B.J.R. Government Degree College, Narayanguda, Hyderabad, 15th July, 2020.
2. Delivered an **Invited Lecture** in 102, National Webinar on '**Impact of Concretization on Environmental Sustainability**' organised by Saksham Society, Jaipur, 17th August, 2020.
3. **Resource Person**, In, the Seven Days National Level Workshop on '**Statistical Application in Research Methodology**' on 9th August, 2021, organised by South Asian Institute For Advanced Research and Development (SAIARD), 7th – 13th August, 2021.
4. **Keynote Speaker**, In, the 3 Days National Conference on 'Water Resource Conservation and Management: A shift from Awareness to Consciousness' on 25th March, 2022, organized by Center for Water Resources Management (CWRM), University of Madras, Guindy Campus, Chennai, Tamil Nadu (India), 24th-25th March, 2022.

II. Chair, Co-Chair, Convener, Co-Convener, Session-In-Charge

1. Rani, Shweta (2018) '**Co-Chair**', for the session entitled - *Role of Education and Technology in Climate Change*, In, "the National Seminar on "Climate Change Conclave on," organized by Department of Geography, Shaheed Bhagat Singh Evening College, University of Delhi, New Delhi, 21st-22nd April, 2018.
2. Rani, Shweta (2019) '**Co-Chair**' in Technical Session 2 entitled- *Cultural Relevance of Geography: India and Global Perspectives*, In, "the National Conference on "Historical Geographies of Location and Cultural Evolution in India," organized by Department of Geography, Shaheed Bhagat Singh College and Association of Geographical Studies (AGS), University of Delhi, 13th-14th April, 2019.
3. Rani, Shweta (2019) '**Session-In-Charge**' in Technical Session 2 entitled –*Development, Environment and Sustainability*, In, "the National Seminar on Spatial Dimensions of Environmental Problems and Natural Resource Law", organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, 3rd-4th September, 2019.
4. Rani, Shweta (2020) '**Chair**' in Technical Session 1 entitled –*Environment and Socio-economic Implications*, In, the National Webinar on "Covid-19: Implications for Human and Natural Environment", organized by R.P.S Degree College, Mahendergarh, Haryana & Central University of Punjab, 23 - 24 June, 2020.
5. Rani, Shweta (2022) '**Chair**' in Technical Session 3 entitled – *Hydrometeorological Hazard*, In, the 3 Days National Conference on 'Water Resource Conservation and Management : A shift from Awareness to Consciousness' organized by Center for Water Resources Management (CWRM), University of Madras, Guindy Campus, Chennai, Tamil Nadu

(India), 24th-25th March, 2022.

III. Presentations

1. Rani, Shweta (2018) '*Correlation Between Urban Development Process and National Income in India (1981-2011)*' Paper presented, In, the "National Seminar on "Urban Environment in the 21st Century: Issues and Challenges," organized by Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia, New Delhi, 27th-28th March, 2018.
2. Rani, Shweta and Trigun V.S. (2018) '*Reproductive Health and Demographic Outcomes in Urban Areas of Empowered Action Group (EAG) States in India*' Paper presented, In, the "National Seminar on "Urban Environment in the 21st Century: Issues and Challenges," organized by Department of Geography, Jamia Millia Islamia, New Delhi, 27th-28th March, 2018.
3. Rani, Shweta (2019) '*A Geographico-Temporal Investigation of Online Shopping on Cashless Society and its Impact on Retail Market*' Paper presented, In, the "National Conference on "Historical Geographies of Location and Cultural Evolution in India," organized by Department of Geography, Shaheed Bhagat Singh College and Association of Geographical Studies (AGS), University of Delhi, 13th-14th April, 2019.
4. Rani, Shweta (2019) '*Geographical Analysis of Students' Accommodation and Academic Performance – A Decade Before and at Present: A Case Study of Dyal Singh College, Delhi University*' Paper presented, In, the "National Conference on "Historical Geographies of Location and Cultural Evolution in India," organized by Department of Geography, Shaheed Bhagat Singh College and Association of Geographical Studies (AGS), University of Delhi, 13th-14th April, 2019.
5. Rani, Shweta (2019) '*Social Interaction in the Era of Technology: Geographical Analysis of a Contemporary Problem Through a Historical Perspective*' Paper presented, In, the "National Conference on "Historical Geographies of Location and Cultural Evolution in India," organized by Department of Geography, Shaheed Bhagat Singh College and Association of Geographical Studies (AGS), University of Delhi, 13th-14th April, 2019.
6. Rani, Shweta et.al. (2020) '*Emerging Problems of Concretization and It's Sustainable Practices: A Geographical Analysis of Delhi Metropolitan Region*' Paper presented, In, the "Geographers' Youth Conclave-2020," organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, 30th-31st January, 2020.
7. Rani, Shweta (2020) '*Gadgetonization and its Geographical Implication on Society and Change: Adaptations and Challenges*' Paper presented, In, the Seventh Northern Regional Social Science Congress, on "Social Sciences and Nation Building: Issues and Challenges" organized jointly by the ICSSR-NRC, New Delhi and U.P. Rajarshi Tandon Open University, Prayagraj, 2nd-4th February, 2020.
8. Rani, Shweta (2020) '*Geographical Displacement of Migrant Workers and Daily Wage-Earners in India During COVID-19*' Paper presented, In, the National Webinar on "COVID-19 Pandemic: Its Impact on Environment, Economy and Society," organized by Kanpur University Geographers Academic Association (KUGAA), 31st May, 2020.
9. Rani, Shweta (2020) '*Efficient Water Conservation Techniques at Homes: A Way Towards Sustainable Development*' Paper presented, In, the National Webinar on "Save Earth:

Think Globally-Act Logically,” organized by D.A.V. College, Kanpur, UP, 5th June, 2020.

10. Rani, Shweta (2020) *'Issues and Challenges of Tourism Sector in India and its Remedial Measures Post Covid-19'* Paper presented, In, the National Webinar on “Atmanirbhar Bharat,” organized by Gurugram University, Gurugram, 8 - 9 June, 2020.
11. Rani, Shweta (2020) *'Trends, Challenges and Sustainable Tourism in India During and Post Pandemic COVID-19'* Paper presented, In, the National Webinar on “Covid-19: Implications for Human and Natural Environment,” organized by R.P.S Degree College, Mahendergarh, Haryana & Central University of Punjab, 23 - 24 June, 2020.
12. Rani, Shweta (2020) *'Women's Leadership in Combating Pandemic COVID-19: Opportunities and Challenges for Self-Reliant India'* Paper presented, In, the “National Webinar on “Role of Women in Self-Reliant India,” organized by Students for Holistic Development of Humanity, Haryana in collaboration with Chaudhary Bansi Lal University, Haryana, 25th June, 2020.
13. Rani, Shweta (2021) *'Identification and Assessment of Water Scarcity, Public Investments and Sustainability in Delhi Metropolitan Region,* Paper presented, In, the UGC sponsored 'National Conference on Water Scarcity and Sustainability: A Jal Shakti Abhiyan Perspective' organized by Aditi Mahavidyalaya, University of Delhi, Delhi, 9th March, 2021.
14. Rani, Shweta (2021) *'Land Susceptibility to Degradation and Rural Sustainability in Siddharthnagar District, Uttar Pradesh: A Multicriteria Analysis'* Paper presented, In, the “National Conference (Online) on “Climate Change and Pathways to Self-Reliant India: Opportunities and Challenges for Sustainable Development, organized by Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia, New Delhi, 15th-16th March, 2021.
15. Rani, Shweta (2022) *'Urbanization, Migration Trends and Socio-Economic Sustainability in Delhi Metropolitan Region',* Paper presented, In, National Seminar on 'Impact of Migration on Environment and Socio-Economic Development of Chhattisgarh State' organized by Department of Geography, Chaitanya College, Pamgarh, Chhattisgarh in association with Chhattisgarh Council of Science and Technology, Raipur, Chhattisgarh, (India), 5th-6th February, 2022.
16. **Rani, Shweta** and Singh, Jaspreet (2022) *'Ground Water Depletion, Recharge Watershed Techniques and Sustainability: A Case Study of Mansa District, Punjab',* Paper presented, In, 2 Days National Seminar on 'Global Ecological Crisis, Covid Pandemic issues and Rehabilitation measures through Knowledge Management approaches for inclusive Sustainable Development' organized by St. Joseph's College (Autonomous), Tiruchirappalli, Tamil Nadu, and ICSSR, New Delhi (India), 14th-15th February, 2022.
17. **Rani, Shweta** and Garg, Anushka (2022) *'Revivification and Water Resource Management: A Saga of The Dravyawati River in Jaipur City, Rajasthan',* Paper presented, In, 3 Days National Conference on 'Water Resource Conservation and Management: A shift from Awareness to Consciousness' organized by Center for Water Resources Management (CWRM), University of Madras, Guindy Campus, Chennai, Tamil Nadu (India), 24th-25th March, 2022.
18. **Rani, Shweta** and Kanchandee (2022) *'Hydro-politics of Inter-State Water Disputes: A Case Study of River Cauvery',* Paper presented, In, 3 Days National Conference on 'Water

Resource Conservation and Management: A shift from Awareness to Consciousness' organized by Center for Water Resources Management (CWRM), University of Madras, Guindy Campus, Chennai, Tamil Nadu (India), 24th-25th March, 2022.

IV. Participation

1. 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 association with National Institute of Disaster Management (NIDM), 2nd May, 2020.
2. 2-Days Online International Workshop on 'COVID-19 Mass Disaster & Possible Management: Challenges for Immediate Future', organized by India International Intellectual Society (IIS) in association with Central University, Pondicherry and Deenbandhu Chhotu Ram University (DCRUST), Murthal, India, 5th May, 2020.
3. National Webinar on 'Planning Regions and Schemes of Regionalization in India', Department of Geography, Mizoram University, Aizawl, 6th May, 2020.
4. National Webinar on 'Water an Element of Life' organized by Jaladhikar Foundation, Barakhamba Road, New Delhi, 10th May, 2020.
5. National Webinar on 'Water an Element of Life' organized by Jaladhikar Foundation, Barakhamba Road, New Delhi, 10th May, 2020.
6. One-Day Webinar on 'Revisiting Marketing in COVID-19 Era', organized by Department of Commerce under the aegis of IQAC, Dyal Singh College, University of Delhi, 14th May, 2020.
7. One-Day Live Webinar on 'Digital Marketing' organized by Department of Library and Information Science, Mizoram University, Aizawl, 15th May, 2020 (Certificate No. WEB/DM-33).
8. National Level Webinar on 'Data Science' organized by PG and Research Department of Computer Science, Kamdhenu Arts and Science College, Erode, Tamil Nadu, 16th May, 2020.
9. One-Day Webinar on 'Application of Remote Sensing for Crop & Forest Monitoring', Organized by Netra Institute of Geoinformatics Management & Technologies Foundation (NIGMT), New Delhi, 18th May, 2020
10. Webinar in the Series of 'Advances in Biotechnology for Health, Food, and Nutrition to Encounter COVID-19' (Bhopal Diary), organized by Department of Biotechnology, AKS University, Satna (M.P), India, 22nd-23rd May, 2020.
11. National Level Webinar on 'A Path to Positive Self' organized by Department of Arts, Christ College of Science and Management, Malur, Karnataka, 29th May, 2020.
12. International Webinar on Role of Urban Governance in Disaster Risk Assessment and Management, organized by Centre for Urban & Built Environment (CUBE) of

SAIARD, 4th June, 2021.

13. Online National Workshop on Water Budgeting: An Approach for Sustainable Water Resource Management in Rajasthan, organized by AICRP on IWM, Directorate of Research, MPUAT, Udaipur, Rajasthan, India, 21st June, 2021.
14. National Webinar on Cyber Security, Cyber Crime and Its Challenges in Educational Institutions & Libraries organized by Library Division, Social Development Federation, Agra, U.P., 24th July, 2021.
15. National Workshop on Solid Waste Management, organized by Delhi Science & Technology Cluster (DRITV), Indian Institute of Technology, Delhi, 30-31st July, 2021
16. National Webinar on Sustainable Development through Riverine Ecosystem Restoration, organized by Department of Geography, Dyal Singh College, University of Delhi, 27th September, 2021.
17. Online Workshop in pursuance of National Education Policy (NEP 2020), on the topic “Internationalization of Higher Education” organized by the UGC-Human Resource Development Centre, JNU, New Delhi, 23rd June, 2022.
18. Online Workshop in pursuance of National Education Policy (NEP 2020), on the topic “Educational Framework for Global Citizenship in Higher Education” organized by the UGC-Human Resource Development Centre, JNU, New Delhi, 24th June, 2022.

Research Projects (Major Grants/Research Collaboration) (From 1st July 2017 onwards)

MAJOR RESEARCH PROJECT

Co-Project Director

ICSSR funded project under IMPRESS scheme on ***“Agricultural Development, Land Degradation and Rural Sustainability in Border Areas of Uttar Pradesh: A Case Study of Siddharthnagar District*** (total budget: Rs. 8,50,000) July, 2019 – August 2021.

Awards and Distinctions (From 1st July 2017 onwards)

1. Awarded **“Shanti Lata Memorial Scholarship”** for securing **topping/highest marks** in Intermediate Arts in Patna Women’s College and second position in Bihar Intermediate Education Council (B.I.E.C), year 2002.
2. Awarded Best speaker award on a paper presented on ***“Garbage Disposal and its Impact on Environment of Patna U.A. - A Case Study of Shri Krishna Puri”*** year 2005, conducted by University Grant Commission (U.G.C).
3. Awarded best speaker on Paper presented on ***“Rural Urban Migration in India- Its Causes and Consequences”*** by UGC., 2005
4. Awarded **“Mother Theodosia A.C. Memorial Scholarship”** for **topping/securing highest marks**

in Geography in Patna Women's College, Patna University, year 2005.

5. Awarded **"Smt. Draupadi Ishwari Prasad Bhargava Memorial Gold Medal"** by Sri Arjan Singh, D.F.C, Marshall of the Indian Air Force for securing highest marks in the Department of Geography (session 2005-2007), Delhi School of Economics, during the 85th Annual Convocation of University of Delhi, year 2008.
6. Awarded **Research Fellowship** in Science for meritorious students by UGC in April, 2012.
7. Awarded **"Best Research Paper"** in the 9th International Conference on Science, Technology and Management, organized by Indian Federation of United Nations Associations (IFUNA), New Delhi, 14th October 2017.
8. Mentored and won **'Geographers' Youth Conclave, 2019'** on a research paper entitled *"Experiencing and Theorizing the Reliance on Electronic Gadgets on its Impact on Social Interaction on Everyday Geographies of Delhi"*, organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, 29th-30th March 2019.
9. Awarded **"Best Research Paper"** entitled *The Dynamic Patterns and Accuracy Assessment of Deforestation in India: A Regional Analysis* In, the "National Seminar on Spatial Dimensions of Environmental Problems and Natural Resource Law", organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, 3rd-4th September 2019.
10. Mentored and won **'National Geographers' Youth Conclave, 2020'** (2nd Position) on a research paper entitled *'Emerging Problems of Concretization and It's Sustainable Practices: A Geographical Analysis of Delhi Metropolitan Region'* organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, 30th-31st January, 2020.
11. Awarded **"Best Research Paper"** entitled *A Geo-hydrological Analysis of Water Balance and Its Sustainability in Delhi Metropolitan Region'* In, the "2 Days 'National Seminar on 'Global Ecological Crisis, Covid Pandemic issues and Rehabilitation measures through Knowledge Management approaches for inclusive Sustainable Development' organized by St. Joseph's College (Autonomous), Tiruchirappalli, Tamil Nadu, and ICSSR, New Delhi (India), 14th-15th February, 2022.
12. **Reviewer**, *GeoJournal*, OCLC number: 643612472, ISSN: 0343-2521 (print); 1572-9893 (web), Springer Publication, Netherlands.
13. **Elite Member**, International Women's Commission (IWC), Switzerland (Since July, 2020).
14. **Executive Member**, International Academic and Research Consortium (IARC), Nakuru, Kenya (w.e.f., August 2021).
15. Received Prestigious **"NAARI SHAKTI Best Women Academician Award", Awards for Women-2022** by Universal Society for Research and Development (USRD), in association with Scieng Publications and Dr. Yellapragada Lifesciences, Tamil Nadu on the eve of International Women's Day, 8th March, 2022.
16. **Executive Member**, Council for Teacher Education Foundation (CTEF), Delhi-NCR Chapter, Nagpur, Maharashtra (Since July, 2022).
17. Received **"GC Memorial Best Research Author Award"**-Award for Excellence in Research Publication by Council for Teacher's Education Forum (CTEF), Delhi-NCR Chapter in collaboration with Social Development and Research Foundation (SDRF), on September 5, 2022.

Association with Professional Bodies
<ol style="list-style-type: none"> 1. Annals of Association of American Geographers (AAAG) 2. National Association of Geographers, India (NAGI), Delhi 3. Association of Geographers of Bihar and Jharkhand 4. Association of Punjab Geographers, Punjab 5. Indian National Cartographic Association (INCA), Hyderabad 6. Association of Geographical Studies, Department of Geography, Delhi School of Economics. 7. Magadh Bhoogol Parishad, Magadh University, Bodh Gaya.
Other Activities like MOOCs/ Patents etc. (From 1 st July 2017 onwards)
<ol style="list-style-type: none"> 1. Patent published, <i>“The Machine Learning based approach to analyze the Foreign Direct Investment of Economic Growth of a Nation,”</i> Office of the Controller General of Patents, Design and TradeMarks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India. 2. Patent published, <i>“Artificial Intelligence based System along with IoT Alert Mechanism to Predict the Occurrence of Earthquake and Safeguard the Buildings from its Disastrous Effects,”</i> Office of the Controller General of Patents, Design and TradeMarks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India. 3. Patent published, <i>“The Role of Tourism Investment in Supporting Economic Development in India,”</i> Office of the Controller General of Patents, Design and TradeMarks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India.

Signature of Faculty Member