




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



|   |   |            |              |           |               |   |
|---|---|------------|--------------|-----------|---------------|---|
| Title   | Dr.   | First Name | <b>Swati</b> | Last Name | <b>Thakur</b> | Photograph  |
| Designation   | <b>Associate Professor</b>  |            |              |           |               |  |
| Address   | <b>Department of Geography</b><br><b>Dyal Singh College</b><br><b>Lodi Road</b><br><b>University of Delhi, Delhi-110003</b>                                     |            |              |           |               |   |
| Phone No Office   | <b>011-24365948</b>   |            |              |           |               |   |
| Residence   | -   |            |              |           |               |   |
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| Email   | <b>swatithakur@dsc.du.ac.in</b>   |            |              |           |               |   |
| Web-Page  | <b><a href="http://dsc.du.ac.in/faculty/">http://dsc.du.ac.in/faculty/</a></b>  |            |              |           |               |   |
| <b>Educational Qualifications</b>   |   |            |              |           |               |   |
| Degree  | Institution   |            |              |           | Year          |   |
| PhD   | <b>Department of Geography, Maharshi Dayanand University, Rohtak</b><br><b>Title : Water Scarcity and its Management in Mahendragarh District, Haryana</b>      |            |              |           | <b>2019</b>   |   |
| M.Phil  | <b>Department of Geography, University of Delhi, Delhi</b><br><b>Title: Climatic Variability and Land Use Change: A case study of Doon Valley, Uttarakhand.</b> |            |              |           | <b>2007</b>   |   |
| MA  | <b>Department of Geography, University of Delhi, Delhi</b><br><b>Title : Climate Variability in India</b>   |            |              |           | <b>2004</b>   |   |
| BA  | <b>Department of Geography, Kirori Mal College, University of Delhi, Delhi</b>  |            |              |           | <b>2002</b>   |   |
| Other Examination (NET)   | <b>National Eligibility Test for Lectureship, University Grant Commission</b>   |            |              |           | <b>2004</b>   |   |
| <b>Career Profile</b>   |   |            |              |           |               |   |
| <b>Teaching at Under Graduate University Level for past 17 years (2005-2009-adhoc and 2009 onwards-permanent)</b>   |   |            |              |           |               |   |
| <b>Administrative Assignments (From 1<sup>st</sup> July 2017 onwards)</b>   |   |            |              |           |               |   |
| <ol style="list-style-type: none"> <li>1. <b>Convener, Geography Society, Department of Geography, Dyal Singh College (2019-20)</b></li> <li>2. <b>Coordinator, DSC-Nodal Centre for Outreach Program IIRS (Indian Institute of Remote Sensing) – ISRO (Indian Space Research Organisation), Department of Space, Government of India, Dehradun. (2020 onwards)</b></li> <li>3. <b>Teacher-In-Charge, Department of Geography, Dyal Singh College (2020-21)</b></li> <li>4. <b>Convener, Admission, Department of Geography, Dyal Singh College (2020-21)</b></li> <li>5. <b>Co-Convener, Environmental Club, Dyal Singh College, University of Delhi (2022-23)</b></li> <li>6. <b>Member Working Committee on Sustainability Forum, IQAC, Dyal Singh College , Water Management Committee (2022-24)</b></li> </ol> |   |            |              |           |               |   |
| <b>Areas of Interest / Specialization</b>   |   |            |              |           |               |   |
| Water Resources: Issues and Management, Climate Variability and Impact studies and Geo-   |   |            |              |           |               |   |

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| Spatial Analysis.  |
| <b>Subjects Taught</b>   |
| B.A (Hons) : Disaster Management; Human Geography; General Cartography; Thematic Cartography; Climatology; Geography of Tourism; Evolution of Geographical Thought; Coupled Human and Environment System<br>B.A (Prog.): Human Geography, Disaster Management  |
| <b>Research Guidance</b>   |
| <b>Doctoral Thesis Supervision (Ongoing)</b>   |
| <ol style="list-style-type: none"> <li>1. Mr. Suraj Junawa (Reference No. BRS/Soc. Sc./2022/2520) as <b>Supervisor</b> in Department of Geography, Delhi School of Economics, University of Delhi. <i>Broad Theme: Climatic Variability and Impact Study</i></li> <li>2. Mr. Aakash Tewari (Roll No. 200777) approval on 26.10.2021 as <b>Co-Supervisor</b> in Department of Geography, Central University of Haryana. <i>Broad Theme: Sustainable Drinking Water Management</i></li> </ol>  |
| <b>M.A Course Dissertation (Completed)</b>   |
| <ol style="list-style-type: none"> <li>1. Mr. Ankur Yadav (Roll No. 200723) as <b>Co-supervisor</b>, Department of Geography, Central University of Haryana for dissertation entitled “ Long term Rainfall Trend Analysis and its Forecasting for the state of Haryana, India using Machine Learning Method” submitted on 23.06.2022.</li> </ol>   |
| <b>Publications Profile</b>  |
| (Mention total no. and details from 1 <sup>st</sup> July 2017 onwards only)  |
| <b>A. <u>Published Research Papers</u></b>   |
| <ol style="list-style-type: none"> <li>1. Thakur, S. (2021) Measuring Water Poverty in Rural Communities in Arid Plains, Haryana (India), <i>Annals</i>, NAGI, vol.41 (2), pp.369-393.(UGC-Care enlisted)</li> <li>2. Rahaman, S., Jahangir, S., Chen, R., Kumar, P. and Thakur, S. (2021) Covid-19’s lockdown effect on air quality in Indian cities using air quality zonal modeling, <i>Urban Climate</i>, <a href="https://doi.org/10.1016/j.uclim.2021.100802">https://doi.org/10.1016/j.uclim.2021.100802</a>, <i>IF- (5.731)</i>.<br/>(Cited in chapter 5 of UNESCAP publication “Review of development in transport in Asia and the Pacific 2021: Towards Sustainable, Inclusive and Resilient Urban Passenger Transport in Asian Cities”<br/><a href="https://www.unescap.org/sites/default/d8files/knowledge-products/Review_2021_rev_0.pdf">https://www.unescap.org/sites/default/d8files/knowledge-products/Review_2021_rev_0.pdf</a></li> <li>3. Thakur, S and Inder Jeet (2019) A Comprehensive Assessment of Water Poverty in Mahendragarh District of Haryana, <i>National Geographical Journal of India</i>, 65(2), pp.109-121. (UGC-Care enlisted).</li> <li>4. Thakur, S and Inder Jeet (2018) Detection of Land Surface Temperature (LST) using</li> </ol> |

computer aided Geographic Information System Tool, *International Journal of Scientific Research in Computer Science Application and Management Studies*, 8(1),pp.1-6. (UGC enlisted).

5. Thakur, S (2018) Water Scarcity Assessment in Arid Haryana, *Journal of Water and Land Use Management*, 16 (1), pp.49-60. (UGC enlisted).
6. Thakur, S and Thakur, R. (2017) Integrated River Basin Development: Concepts and Approaches, *Regional Symbiosis*, 25, pp. 149-156.(Peer Reviewed)
7. **Thakur, S and Singh. R.B (2014)**, Climate Variability in the foothills of Indian Central Himalayan Region (ICHR), *Regional Symbiosis*, Kanpur, vol. 22, pp.51-65.(Peer Reviewed)
8. **Thakur, S (2009)**, Rainfall Variability: A Statistical Analysis of Doon Valley (1952-2005), The *Indian Geographical Journal*, Chennai, vol. 83(1), pp.35-50. (UGC-Care enlisted).

B. Chapter's in books

1. Thakur, S., Rajesh, A. and Thakur, R. (2017) Identification of Disparities in Socio Economic Development of Jharkhand in *B.Thakur (eds.) Regional Development Theory and Practice: Measuring Development, Vol.2*, Concept Publishers, Delhi, pp. 259-279.
2. Thakur, S. and Thakur, R. (2017) Coal Policy in India in *B.Thakur (eds.) Regional Development Theory and Practice: Developmental Policies, Vol.4*, Concept Publishers, Delhi, pp. 320-327.
3. Thakur, S (2017) Water Wealth and its Sustainable Management in Jharkhand in *Pandey, B.W. Water Resources Potentialities, Vulnerabilities and Management: Indian Experiences*, Research India Press, New Delhi, pp.37-70.
4. **Thakur, R and Thakur, S (2015)**, " Mineral Resources Potential and Prospects in Chotanagpur Region" in A.K Dutt, AG Noble, F.J Costa, S. Thakur, R.R Thakur and H.S Sharma (eds) *Spatial Diversity and Dynamics in Resources and Urban Development, Vol.1 Regional Resources*, Springer, New York, pp.197-222.
5. Thakur, S and Ojha, A (2022), Perspectives on Public Health Policy and Sustainable Development Goals in India, TERI Publications (under review)

C. Articles published in Online media

Sahay A and Thakur, S (2021) Tackling Covid: NGOs, CSOs played key role, The Pioneer Odisha, 30<sup>th</sup> August 2021, <https://www.dailypioneer.com:443/2021/state-editions/tackling-covid-ngos-csos-played-key-role-html>

Sahay A and Thakur, S (2021) Tokyo Olympics feats: Let there be talent hunt for athletes in Odisha, The Pioneer, 15<sup>th</sup> September, <https://www.dailypioneer.com:443/2021/state-editions/let-there-be-talent-hunt-for-athletes-in-Odisha-html>

Thakur, S (2021) Plan for disaster education in Odisha a good idea, The Pioneer, 30<sup>th</sup>

September, <https://www.dailypioneer.com:443/2021/state-editions/plan-for-disaster-edu-in-odisha-a-good-idea-html>

Sahay A and Thakur, S (2021) Focus disaster management training at panchayat level The Pioneer, 25<sup>th</sup> October, <https://www.dailypioneer.com:443/2021/state-editions/focus-disaster-management-training-at-panchayat-level-html>

Sahay A and Thakur, S (2021) How pandemic was a lesson for teachers, The Pioneer, 2<sup>nd</sup> November, <https://www.dailypioneer.com:443/2021/state-editions/how-pandemic-was-a-lesson-for-teachers-html>

Conference Organization/ Presentations (From 1<sup>st</sup> July 2017 onwards)

1. **Coordinator**, 6 Day Online Orientation Cum Guidance Program for Central University Entrance Test- 2022 (especially for SC/ST students), jointly organized by Dean Student's Welfare (DSW) and Institute of Life Long Learning (ILLL), University of Delhi from 27<sup>th</sup> June 2022 -7<sup>th</sup> July, 2022
2. **Coordinator**, 14 days **Faculty Development Program (FDP)** on "Pedagogy in Higher Education in light of NEP 2020" jointly organized by Institute of Life Long Learning (ILLL) and Mahatma Hansraj Faculty Development Centre (MHFDC), University of Delhi during 21<sup>st</sup> March 2022-7<sup>th</sup> March, 2022
3. **Coordinator of 16 online training courses** organized by Indian Institute of Remote Sensing (IIRS)-Indian Space Research Organisation (ISRO) Outreach Program, Department of Space, Government of India during 2020-2022.
4. **Facilitator and Member** organizing Team in "One Day Open House Discussion on National Education Policy) organized by Institute of Life Long Learning (ILLL) University of Delhi on 16.12.2021.
5. **Convener** to organize 3 Day National Webinar in joint collaboration with Department of Geography, Dyal Singh College, University of Delhi and National Institute of Disaster Management (NIDM), Delhi on "Role of Youth in Disaster Management" October 27<sup>th</sup>-29<sup>th</sup>, 2021.
6. Organised a Joint Seminar on 'Education and Scholarship Opportunities in Taiwan', Dyal Singh College, University of Delhi and Taipei Economic and Cultural Centre in India (TECC) on **22<sup>nd</sup> October, 2019**.
7. Organised a National Webinar on "Why Planning is Important for Disaster Risk Management?" jointly with National Institute of Disaster Management, New Delhi and Department of Geography, Dyal Singh College on **14<sup>th</sup> September, 2020**.
8. **Mentored and joint presentation** of paper entitled " Urban Agricultural Practice in Jaipur City: A step towards Urban food Sustainability" in the International Interdisciplinary e-conference on Sustainable Future for Humanity: The New Learning Curve, organized by Maitreyi College, University of Delhi on **February 24<sup>th</sup>, 2021**.

9. **Mentored and Presented paper** entitled “ Citizen Network and its Influence in Urban Agricultural Extension: A glance to localized Food System” in the National Geographers Youth Conclave organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi on **Jan 29<sup>th</sup> 2021**.
10. Organised a webinar on “Glacial hazard in the Himalayas with special reference to GLOFs” in Department of Geography, Dyal Singh College on **5<sup>th</sup> March, 2021**.
11. Organised student’s discussion forum on “International Day of Action for Rivers” on **14<sup>th</sup> March, 2022**, Department of Geography, Dyal Singh College, University of Delhi.

#### **Single Author Research Paper Presentation**

1. Presented a paper entitled “Assessment of Water Scarcity in Mahendragarh district Haryana using Water Poverty Index”, in **International Conference** on ‘Global Water Crisis: Agriculture and Food Security in Era of Climate Change’ held in Department of Geography, Aligarh Muslim University (AMU) from **1<sup>st</sup>- 3<sup>rd</sup> December, 2019**.
2. Presented paper entitled ‘Urban Agricultural practices as pathway to sustainability: Case study of residential areas of Jaipur City’ in 3-Day **International Conference** on “Future Challenges and Sustainable Development Goals: Science to Policy Framework” organized by ICDP, Shaheed Bhagat Singh College, University of Delhi, Delhi, **16<sup>th</sup> April -18<sup>th</sup> April, 2021**.
3. Paper entitled “Draught Appraisal in North Eastern Chotanagpur Plateau, Jharkhand” in **International Seminar** on ‘Environment, Population and Sustainable Development’ organized by XIV Deccan Geographical Society’, **September 10<sup>th</sup>-12<sup>th</sup>, 2021**.

#### **Research Projects (Major Grants/Research Collaboration) (From 1<sup>st</sup> July 2017 onwards)**

- **(As Co-PI) Minor Project entitled:** Water logging Vulnerability Assessment and Mitigation Measures: A Case Study of North Delhi, **under FRP (Faculty Research Program) Scheme of Institute of Eminence (IoE) University of Delhi 2021-22**. Ref. No./IoE/2021/12/FRP (completed)

#### **Awards and Distinctions (From 1<sup>st</sup> July 2017 onwards)**

- Best Paper Award entitled “Draught Appraisal in North Eastern Chotanagpur Plateau, Jharkhand” in International Seminar on ‘Environment, Population and Sustainable Development’ organized by XIV Deccan Geographical Society’, September 10<sup>th</sup>-12<sup>th</sup>, 2021.
- Best Paper Award entitled “Effects of Covid 19 on food security and dietary diversity status of urban household: A cross sectional study of Jaipur City” in International Conference on the theme Food, Water and Nutrition Security for Health and Wellbeing on December 13-14, 2021.
- Best Paper Award entitled “Application of Water Poverty Index to Improve Water Management Planning : a case study of Mahendragarh District”, in National Seminar on ‘Spatial Dimensions of Environmental Problems and Natural Resource law’, Sponsored by ICSSR-IMPRESS on 3-4th

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| September, 2019.  |
| <b>Association With Professional Bodies</b>   |
| <ul style="list-style-type: none"> <li>• <b>Life Member of National Association of Geographers of India (NAGI)</b></li> <li>• <b>Life Member of Association of Indian Geographical Society (AIGS)</b></li> <li>• <b>Life Member of Association of Geographical Society (AGS)</b></li> <li>• <b>Life Member of National Geographical Society of India (NGSI)</b></li> </ul> <p><b>Coordinator</b>, Nodal Centre (Dyal Singh College) for IIRS (Indian Institute of Remote Sensing) – ISRO (Indian Space Research Organisation), Department of Space, Government of India, Dehradun OUTREACH PROGRAM.</p> <p><b>Journal Manuscript Reviewer</b>, GeoJournal , Springer.</p> |
| <b>Other Activities like MOOCs/ Patents etc. (From 1<sup>st</sup> July 2017 onwards)</b>  |
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**Swati Thakur**  
Signature of Faculty Member