

SHREYA CHAKRABORTY

RESEARCH FELLOW

SaciWATERS

B-87, 3rd Avenue

Sainikpuri

Secunderabad, Telangana - 500094

Ph: 9703417247

Date of Birth: 11th Oct 1987

EDUCATION

- 2020 – 2022: **PhD (ongoing)**
Graduate School of Geosciences (GSGS), University of Cologne, Germany
- 2012 – 2016: **PhD** (*deregistered under clause for continuation in distant-education mode*)
Centre for Study of Regional Development, Jawaharlal Nehru University, New Delhi
Proposal submitted: "Groundwater Scarcity and Socioecological Implications: A Comparison of Alluvial and Hardrock Aquifer Regions of Gujarat"
- 2010 – 2012: **M.Phil (Regional Development)**,
Centre for Study of Regional Development, Jawaharlal Nehru University, New Delhi
M.Phil Dissertation: Groundwater Depletion And Inequality In Rural India: A Regional Analysis
CGPA: 8, ranked 2nd in dept.
- 2008 – 2010: **MA Geography**,
Centre for Study of Regional Development, Jawaharlal Nehru University, New Delhi
Specialisation – Physical geography and Regional Development
CGPA: 7.63, ranked 2nd in dept.
- 2005 – 2008: **BA (Hons) Geography**,
Miranda House, University of Delhi, New Delhi
cumulative score: 70.7%, ranked 1st in college

WORK EXPERIENCE

2017- 2020 (ongoing):

- **SaciWATERS** (South Asia Consortium for Interdisciplinary Water Resources Studies), Hyderabad
Associate Fellow (2017-2018)
Research Fellow (2018 – present)

PROJECTS - Lead Researcher/Project Coordinator for Research projects:

- **H2O-T2S in Urban Fringe Areas**
(funded by ISSC under T2S Programme of Belmont Forum and Norface) - September 2017 to present
In partnership with TU Delft and University of Cologne
 - *Role* – Grant Proposal development, Project management, Research coordination, assisting PI with research design, Co-authoring research papers,
 - *Project activities* – Periurban resource mapping, qualitative field research on periurban water insecurity, quantitative household survey and data analysis

- **Benefit Sharing in Hydropower Projects in Sikkim and Arunachal Pradesh** (funded by ICIMOD) - January 2018 – September 2018
 - *Role* –Project coordination and Team lead, Research lead, lead author for final Project study report
 - *Project activities* –National and state policy assessment for Hydropower sector of two states, Institutional assessment for hydropower implementation, field based assessment of socioeconomic impacts, conflicts, opportunities in 13 hydropower projects
- **Drought preparedness of Vulnerable Sections in Rural Telangana** (funded by UNICEF) - August 2017 – December 2017
 - *Role* – Grant Proposal development, Project coordination and Team lead, Research lead, lead author for final Project study report, organizing Dissemination workshop
 - *Project activities* – Policy analysis of national and state policies for drought since 1900s, Mapping and secondary data based drought vulnerability assessment, Field based assessment of policy gaps and inequality in access to policy

PROJECTS - Project Team member:

- **SAWA Leadership Programme on Climate Change** (funded by IDRC) – *Involvement* March 2019 to present
 - *Role and activities* – Training SAWA fellows in qualitative/quantitative field methods, assistance with project coordination
- **Climate Literacy and Marine Litter Management in West Bengal and Orissa** (funded by Academy of Gandhian Studies, GIZ and CEE) – August 2018 to Dec 2018
 - *Role and activities* – Monitoring and evaluation of project, preparation of Grant Proposal
- **Understanding Women’s Role in Agriculture in Eastern Gangetic Plains** (funded by ACIAR) – *Involvement* March 2018 – March 2019
 - *Role and activities* – Grant Proposal development, assistance with Project coordination, Qualitative/quantitative field research in east Nepal and data analysis, contribution to final Project study report
- **Ensuring Water Security in Metropolitan Hyderabad** (funded by Bordeaux Metropole, Arghyam) – *Involvement* March 2017 – July 2017
 - *Role and activities* – Data feeding and data analysis, contribution to final Project study report writing, Co-author two research papers for publication
- **Climate Policy, Conflicts and Cooperation in Peri-Urban South Asia: Towards Resilient and Water Secure Communities** (funded by NWO) – *Involvement* March 2017 – April 2017
 - *Role and activities* – State Budget analysis for the water sector, co-author newspaper editorial article

Other Responsibilities:

- **Grant Proposal Development for fund raising for the organization**
- **Supervising organization website content and design**
- **Training and supervision of one month internship for SAWA Fellows**

2016:

- **Research Assistant, Jawaharlal Nehru University, New Delhi**
 - *Project - South Asia Sustainability Hub & Knowledge Network (SASH&KN), Transdisciplinary Research Cluster on Sustainability Studies (TRCSS) in collaboration with STEPS centre on Pathways to Sustainability Project* funded by ISSC
 - *Period* - July 2016 – December 2016
 - *Key tasks and responsibilities* - Completed and submitted working paper on inequalities in urban water access in Gurgaon city, India.

2012-2014:

- **Research consultant, German Development Cooperation (GIZ), New Delhi**
 - *Project - “Impact Monitoring Project: NABARD-GTZ Umbrella Programme for Natural Resource Management (UPNRM)”* funded by NABARD and GIZ
 - *Period* - three rounds of the project in 2012, 2013, 2014 for a total period of 6 months
 - *Key tasks and responsibilities* - included assistance with designing of the questionnaires and methodology, field visit and data collection from selected channel partners, data analysis, and report writing.

2013:

- **Research consultant, German Development Cooperation (GIZ), New Delhi**
 - *Project - “Impact Assessment Exercise: IRA Banana Tissue Culture Project, UPNRM”* funded by NABARD and GIZ
 - *Period* – May 2013 – July 2013
 - *Key tasks and responsibilities* - included assistance with designing of the questionnaires, designing formats for focused group discussions and methodology, data analysis, and technical inputs for report writing.

OTHER RESEARCH AND TRAINING EXPERIENCE

- *Training* : Project – “**SAWA Leadership Programme on Climate Change**” funded by IDRC, Canada
Period – 2 weeks, September 2018
Role – Training of SAWA Fellows in qualitative and quantitative socioeconomic field methods, SPSS software, data analysis and data presentation in Kathmandu and Melamchi, Nepal
- *Research* : Peer Reviewer for Journal – **Climate and Development, Taylor and Francis Online**
- *Research* : Project - “**Himalayan Cryosphere: Science and Society**” funded by the Department of Science and Technology, GoI to examine farmers’ adaptation to climate change in three villages in the upper Miyar basin in Lahaul, Himachal Pradesh
Period - 1 month, June 2013
Role – Research assistance for designing of questionnaire, review of literature and field data collection from rural household survey for the project
- *Research* : Project - “**Economic development in an Indian village: Non-farm development in Palanpur village, Moradabad**”, funded by the Centre de Sciences Humaines (CSH), New Delhi, French Ministry of Foreign Affairs,
Period - 2 weeks, February 2014
Role – Research assistance with field data collection from rural household survey

- **Training : Teaching assistance for MA course on Socioeconomic Field Survey methods, CSRD, JNU** on field exercise conducted in two villages in Amritsar district, Punjab under supervision of Dr. Sucharita Sen and Dr. Atul Sood, Associate Professors at Jawaharlal Nehru University
Period - 2 weeks, December 2011
Role - Assisted with field training of MA students, preparation of questionnaire
- **Research** : MA course exercise on **Physical and socioeconomic field research methods in Lahaul-Spiti, Himachal Pradesh** - individual project: *"Climate and Vegetation in Chandra , Bhaga And Pattan Valley, Lahaul Spiti District, Himachal Pradesh"*
Period – 3 weeks, June 2009

PUBLICATIONS

RESEARCH REPORTS:

- Sucharita Sen, Sreenita Mondal, Shreya Chakraborty, Daniel Abraham, Suchita Jain (2019): *"Understanding Women's Role in Agriculture in Eastern Gangetic Basin – The Macro and Micro Connections"*, ACIAR SDIP, prepared by SaciWATERS, Secunderabad, Telangana.
- Shreya Chakraborty, Bibeshna Pradhan, Rashmi Shrestha (2018): *"Analysis of Benefit Sharing Schemes by Hydropower Projects in Sikkim and Arunachal Pradesh"*, SaciWATERS, Secunderabad, Telangana.
- Shreya Chakraborty, Mansi Goyal, and Arunima Roy (2018): *"Drought preparedness of vulnerable sections in rural Telangana"*, SaciWATERS, Secunderabad, Telangana.
<http://saciwaters.org/unicef/wp-content/uploads/2018/04/Final%20Project%20Report.pdf>
- Sucharita Sen, Anshika John, Manoj Jatav, Suchita Jain, Shreya Chakraborty (2017): *"Water Security in Peri-Urban Hyderabad"*, SaciWATERS, Secunderabad, Telangana,
<http://saciwaters.org/wsphyd/assets/downloads/Water%20Security%20in%20Peri-Urban%20Hyderabad.pdf>

ARTICLES:

- Sucharita Sen, Anshika John, Shreya Chakraborty, Manoj Jatav (2019): *"Geographies Of Drinking Water In(Securities) In Peri-Urban Hyderabad: A Political Ecology Perspective"*, Economic and Political Weekly, Volume 54 (39): pp 42-50
- Manoj Jatav, Shreya Chakraborty (2019): *"Uncertain Climate, Vulnerable Livelihoods – Role of MGNREGS in Risk Reduction among Rural Households in Telangana"*, Economic and Political Weekly, Volume 54 (26&27): pp 12-18
- Shreya Chakraborty (2018): *"The physical and the social of groundwater: Data, policy, and governance"*, Commentary – SAWAS (South Asian Water Studies), 8(1): pp 55-56
- Shreya Chakraborty (2015): *"Conditions for Cooperation: Factors Affecting Local Collective Management of Common Water Resources for Irrigation in India"*, Indian Journal of Geography and Environment, Volume 14: pp 99-105

OTHERS:

- Sucharita Sen and Shreya Chakraborty (2017): *"Budgetary directions for the water sector in Telangana"*, The Asian Age. 17 April 2017

CONFERENCES AND WORKSHOPS

- Completed 1-day *training workshop* on “**Transdisciplinary co-design, integration and implementation**” organized by the Belmont Forum, on 25th May 2020
- Invited to speak on a panel on the “**Impact of Climate Change on Women**” by the British Deputy High Commission on the 6th March 2020 at Taj Deccan, Hyderabad.
- Presented paper on “*Governance and Transitions in Water Access in Periurban Areas*” at the National consultation on “Sustainable Urban Water Management Systems” in New Delhi on November 25 - 27, 2019
- Presented paper on “*Benefit Sharing in Hydropower Projects in Sikkim and Arunachal Pradesh, India*” at the IWMI-Tata Partners Meet organized by IWMI-Tata Program at NDDDB, Anand on 4th-6th December 2018
- Organized Project Dissemination Workshop for UNICEF funded project “**Drought preparedness of Vulnerable Sections in Rural Telangana**” in Hyderabad on 22nd December 2017.
- Presented paper on “*In the shadow of the city: Processes and Responses to Water Resource Vulnerability in Periurban Hyderabad*” at the workshop on ‘**Water Availability and Access in India: Indo-French Approaches**’ organized by Bonjour India 2017-18 at Indian Institute of Sciences, Bangalore, 21-22 November 2017
- Participated in 5 day workshop on **Life Cycle Assessment and a System Approach to Sustainability**, organised by the Centre for the Study of Regional Development, Jawaharlal Nehru University, in collaboration with the Oxford University, Oxford, September 27-October 1, 2013
- Participant and Head Rapporteur in 3 day workshop on **The Cultural, Economic, and Socioecological Dynamics of PeriUrban Landuse Change in Global South and their Implication for Regional Development** organized by Centre for the Study of Regional Development, Jawaharlal Nehru University and University of Cologne, Germany, September 2013. Responsibilities included assistance in *organization of workshop*, preparation and presentation of the *rapporteur’s report*.
- Presented paper on “*Geographies of Groundwater Depletion in India – An Analytical Approach*” at the International Geographical Union (IGU) **Conference on Geoinformatics for Biodiversity and Climate Change**, Maharshi Dayanand University, Rohtak, March 14-16, 2013.

AWARDS

- 2010: Qualified National Eligibility Test (NET) for lectureship by the Council of Scientific and Industrial Research and University Grants Commission (CSIR-UGC)
Awarded Junior Research Fellowship (JRF) by CSIR
Secured all-India 5th rank in CSIR-UGC NET/JRF exam
- 2008: College gold medalist

COMPUTER PROGRAMMES AND DATABASES

Knowledge of programmes: Office tools: Microsoft Office Excel, Word and Powerpoint
Statistical softwares: Microsoft Excel, SPSS.
Remote Sensing and GIS: ArcGIS, ERDAS

Databases:

- Large scale sample surveys unit level data: National Sample Survey Organisation, India / Labour Force Survey, Bangladesh and Nepal / Economic Survey India
- Census of India, Nepal, Bangladesh: detailed decadal demographic databases
- Agriculture Census of India, Minor Irrigation Census, CGWB/CWC databases, India WRIS
- Remote sensing satellite images: LANDSAT, IRS, SRTM
- Qualitative and quantitative Field methods