

CURRICULUM VITAE

Koushik Chowdhury

Research Scholar

Department of Humanities and Social Sciences

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Education

Indian Institute of Technology Kharagpur

Kharagpur, WB, India.

PhD. Natural Resource Management

Thesis Submitted in February 2021

Thesis Title: *Traditional Water Bodies, Ecosystem Services and Sustainable Natural Resource Conservation in West Bengal, India*

Vidyasagar University

Midnapur, WB, India

M.A. Geography and Environment Management.

June 2011

B.A. with Honors, Geography.

April 2009

Awards and Fellowships

- **Travel grant** to attend the 8th International Conference on Critical Geography in Athens, Greece 2019
- **Junior Research Fellowship**, Council of Scientific and Industrial Research (CSIR) with 22 Rank 2013

Research Interests

Socio-ecological system

Water Governance

Rural Development

Natural Resource Management

Political Ecology

Sustainable Development

Ecosystem Services

Climate Change Adaptation

Policy Analysis

Research Experiences

- **Research Associate** at the Department of Humanities and Social Sciences, Indian Institute of Technology Kharagpur-721302, India, in the project “Coping with Changing Climate: The Role of Sustainable Use and Management of Traditional Water Harvesting Systems in Odisha and West Bengal”, Sponsored by Indian Council of Social Science Research (ICSSR), New Delhi. 2014-2015

Teaching Experiences

Guest Lecturer at the Department of Geography, Silda C S College, Silda, Paschim Medinipur, West Bengal, India 2011-2013

Publications:

Peer Review Journals from PhD Thesis

1. **Chowdhury, K** and Behera, B. “Cultural Ecosystem Services from Traditional Water Harvesting System: A Context-specific Empirical Study from West Bengal, India.” (Revision submitted)
2. **Chowdhury, K** and Behera, B. 2021. “Economic significance of provisioning ecosystem services of traditional water bodies: empirical evidences from West Bengal, India”. **Resources, Environment and Sustainability**. (Accepted)
3. **Chowdhury, K** and Behera, B. 2021. “Institutional Dynamics and Water Resource Management: Case of Traditional Water Bodies in West Bengal, India”. **International Journal of Water Resources Development**. <https://doi.org/10.1080/07900627.2021.1916448>
4. **Chowdhury, K** and Behera, B. 2020. “Traditional Water Bodies and Ecosystem Services: Empirical Evidence from West Bengal, India.” **Natural Resources Forum**, 44: 1–17. <https://doi.org/10.1111/1477-8947.12196>
5. **Chowdhury, K** and Behera, B. 2018. Is declining groundwater levels linked with the discontinuity of traditional water harvesting systems (tank irrigation)? Empirical evidence from West Bengal, India. **Groundwater for Sustainable Development**, 7: 185-194. <https://doi.org/10.1016/j.gsd.2018.05.007>

Other peer review journal

1. Pramanik, M., **Chowdhury, K.**, Rana, M.J., Bisht, P., Pal, R., Szabo, S., Pal, I., Behera, B., Liang, Q., Padmadas, S.S. and Udmale, P. 2020. Climatic influence on the magnitude of COVID-19 outbreak: a stochastic model-based global analysis. **International Journal of Environmental Health Research**. <https://doi.org/10.1080/09603123.2020.1831446>
2. Pramanik, M., Udmale, P., Bisht, P., **Chowdhury, K.**, Szabo S., and Pal, I. 2020. Climatic factors influence the spread of COVID-19 in Russia. **International Journal of Environmental Health Research**. <https://doi.org/10.1080/09603123.2020.1793921>

Media

The following news stories have featured my research:

1. Restoring tank irrigation can strengthen rural climate resilience (<https://india.mongabay.com/2019/01/restoring-tank-irrigation-can-strengthen-rural-climate-resilience/>)

Research Links

1. Google Scholar: <https://scholar.google.com/citations?hl=en&user=XL29XmsAAAAJ>
2. Research Gate: https://www.researchgate.net/profile/Koushik_Chowdhury4
3. ORCID No: <https://orcid.org/0000-0003-2565-3190>

Paper presented in Conferences:

Conference in Abroad

1. Presented a paper entitled **“Local Institutional Dynamics and Distributional Outcomes of Ecosystem Services: The Case of Traditional Water Harvesting Systems in West Bengal”** at **“8th International Conference on Critical Geography (ICCG 2019)” on In PERMANENT CRISIS? Uneven Development Everywhere War and Radical Praxis**; April 19-23 2019; held in **National Technical University of Athens, Athens, Greece**; organized by **The International Critical Geography Group (ICGG)**.
2. Presented a paper entitled **“Is Depletion of Groundwater Table Linked with Disappearance of Traditional Water Harvesting System (Tank Irrigation)?: empirical evidence from West Bengal, India”** at **ASBBS 25th annual conference** held in **Las Vegas, NV, USA**; organized by **American Society of Business and Behavioral Sciences** on 15-18 March 2018.

Conferences in India

1. Presented a paper entitled **“Household Perceptions of Ecosystem Services from Traditional Water Harvesting Structure in West Bengal, India”** at **“ANUSANDHAN 2019”** on **Multi-Disciplinary Approach towards Sustainable Development Role of Government, Academicians, Corporate, Civil Societies and Citizens**; February 21-22, 2019; **Indian Institute of Forest Management Bhopal; India**.
2. Presented a paper entitled **“Household Perceptions of Ecosystem Services from Traditional Water Harvesting Structure in West Bengal, India”** at **22nd Annual Conference of the Indian Political Economy Association (IPEA)** on **“Political Economy of Emerging Political Development and Ecological Challenges at the National and Global Levels”** held on **December 14-15, 2018** at **Department of Economics, Jammu University, Jammu, India**.
3. Presented a paper entitled **“Tank degradation and Groundwater nexus: an empirical analysis from West Bengal”** at the **International Conference on natural resources management for sustainable development** organized by **Department of Geography and Resource Management, Mizoram University (a central University)** on **26-28 October 2017**.

4. Presented the proposal entitled **“Managing water in a traditional way: Socio-economic and Ecological Analysis of Tank Irrigation in West Bengal”** at the 10th Doctoral Thesis Conference organized by **IBS Hyderabad in collaboration with IGIDR Mumbai** on 20-21 April 2017.
5. Presented the proposal entitled **“Conservation of Environmental Resources Through Ethnic Practices: A Prototype Study on Santhal Community in Karkatia Village, Purulia District, West Bengal”** in the annual workshop for junior scientist meet, March 2011 at the **Netaji Institute for Asian Studies, Kolkata**.

Workshop attended:

1. Participated in the Dissemination Workshop on **“Qualitative Methods for Research in Socially Inclusive and Sustainable Agricultural Intensification”** organized at IIT Kharagpur during September 16-17, 2019 as a part of Research Project **“Promoting Socially Inclusive and Sustainable Agricultural Intensification in West Bengal and Bangladesh”** sponsored by the Australian Centre for International Agricultural Research (ACIAR), Government of Australia.
 2. Participated in the joint workshop on **“Rural Water Quality and Management”**, jointly organized by the **University of Edinburgh and Indian Institute of Technology Kharagpur**, during May 13-16, 2019.
 3. Participated in the GIAN course on **“Managing and Governing Resource in the Anthropocene: Political Ecological Explorations from South Asia”** organized by **Department of Humanities and Social Sciences, at IIT Kharagpur**, November 26 and December 1, 2018.
 4. Participated in the MHRD TEQIP-III Short Term course on **“Climate Change Risk on Sustainable Development in Rural India (Fact, Friction, Policy)”**, organized by **Rural Development Centre, at IIT Kharagpur**, 17-19 July 2018.
 5. Participated in the week-long workshop on **“Quantitative Research Methods in Social Sciences Using SPSS”** organized by **Institute of Development Studies Kolkata**, January 30 – February 4, 2017.
 6. Participated in the Short-Term course on **“Applied Economic Tools and Techniques for Managing Environmental Resources”**, organized by **TERI University**, 3-5 October 2016.
 7. Participated in the Annual Research Methodology Course **“Research Skill and Data Analysis using R”**, organized by School of Management Studies, **Cochin University of Science and Technology**, 25-27 May 2016.
 8. Participated in the QIP Short Term course on **“Theory and Application of Geospatial, geo-Imaging & Remote Sensing Technology”**, organized by **Department of Mining Engineering, at IIT Kharagpur**, 15-20 July 2013.
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Personal details:

Home Address: Vill- Belerya,
P.O- Mohisda,
P.S-Keshpur,
Dist- Paschim Medinipur.
Pin- 721150
West Bengal, India.

Father's Name: Shyam Sundar Chowdhury
Date of Birth: 15/12/1988
Marital Status: Unmarried
Nationality: Indian
Languages Known: Fluent in **Bengali, English,** and **Hindi**
Working knowledge in **Oriya**

Academic Referees:

Bhagirath Behera

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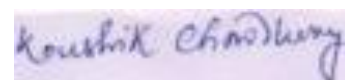
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Declarations:

I do hereby declare that all the above information is true to the best of my knowledge.

Date: 01.08.2021
Place: Kharagpur



Signature

Last Update: Kharagpur, 01.08.2021