

# Curriculum Vitae

## **Pritha Datta**

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## **Present Position** (September 2023-till now)

Assistant Professor, Department of Policy and Management Studies  
TERI School of Advanced Studies (TERI SAS), New Delhi, India

## **Academic Qualifications**

### **Ph.D.** (2020-2023)

Department of Humanities and Social Sciences, Indian Institute of Technology Kharagpur, India

**Thesis title:** Climate Change and Agriculture: An Assessment of Farmers' Adaptation in the Foothills of West Bengal, India

### **M.Phil.** (2018-2020)

Department of Geography, Assam University, Diphu Campus, India

**Dissertation title:** Agricultural Adaptation to Climate Change in Koch Bihar, West Bengal:  
Cultivators' Perception and Practices

### **B.Ed.** (2015-2017)

Cooch Behar B.Ed. Training College (Affiliated to the University of North Bengal), India

### **M.A.** (2013-2015)

Department of Geography and Applied Geography  
University of North Bengal, India

### **B.A.** (2010-2013)

Honours in Geography, Cooch Behar College (Affiliated to University of North Bengal), India

## Research Interests

Climate Change, Food Security, Biodiversity conservation, Spatial Analysis.

## Teaching Interests

Environmental and human well-being, Climate change studies, Disaster management, Development and sustainability studies, and Research Methodology (Quantitative and Qualitative).

## Technical Skills

Data Analysis (SPSS, RStudio, Stata), Geographic Information System (ArcGIS, Global Mapper).

## Completed Project

1. **Principal Investigator**, 'Climate change, human-wildlife interactions, and local livelihoods: A study of the forested landscape in sub-Himalayan India'. Funding Agency: Asian Development Bank Institute (ADBI), Tokyo, Japan.

## Articles in journals

1. Naveen, N., **Datta, P.**, Behera, B., Rahut, D.B., 2024. Climate-Smart Agriculture in South Asia: Exploring Practices, Determinants, and Contribution to Sustainable Development Goals. *Mitigation and Adaptation Strategies for Global Change*. (Accepted) [Impact factor: 4.0]
2. **Datta, P.**, Rahut, D.B., Behera, B., Sonobe, T. and Chand, S., 2024. Human Coexistence with Leopards and Elephants: Losses and Coping Strategies in an Indian Tiger Reserve. *Trees, Forests and People*, p.100518. <https://doi.org/10.1016/j.tfp.2024.100518>. [Impact factor: 2.7]
3. **Datta, P.**, Behera, B., Timsina, J., and Rahut, D.B., 2023. Achieving sustainable development through agriculture-forestry-livestock nexus in Bangladesh : Synergies and trade-offs. *Agricultural Systems*. <https://doi.org/10.1016/j.agsy.2024.103854>. [Impact factor: 6.6]
4. **Datta, P.**, Behera, B., and Rahut, D.B., 2023. India's approach to agroforestry as an effective strategy in the context of climate change: An evaluation of 28 state climate change action plans. *Agricultural Systems*. <https://doi.org/10.1016/j.agsy.2023.103840>. [Impact factor: 6.6]

5. **Datta, P.**, Behera, B., and Rahut, D.B., 2023. Assessing the role of agriculture-forestry-livestock nexus in improving farmers' food security in South Asia: A systematic literature review. *Agricultural Systems*. <https://doi.org/10.1016/j.agsy.2023.103807> [Impact factor: 6.6]
6. **Datta, P.**, Rahut, D.B., Behera, B., and Sonobe, T., 2023. Integrating Community Insights into Leopard and Tiger Conservation: Lessons from the Indian Sub-Himalayan Forest. *Global Ecology and Conservation*. <https://doi.org/10.1016/j.gecco.2023.e02723>. [Impact factor: 4]
7. **Datta, P.**, Behera, B., 2023. Assessing farmers' maladaptation to climate change in a sub-Himalayan region of India. *Environment, Development and Sustainability*. <https://doi.org/10.1007/s10668-023-03925-3>. [Impact factor: 4.9]
8. **Datta, P.**, Behera, B., and Rahut, D.B., 2023. Climate Change and Water-related Threats in the Indian Sundarbans: Food Security and Management Implications. *International Journal of Water Resources Development*. <https://doi.org/10.1080/07900627.2023.2224459>. [Impact factor: 3.1]
9. **Datta, P.** and Behera, B., 2022. Factors Influencing the Feasibility, Effectiveness, and Sustainability of Farmers' Adaptation Strategies to Climate Change in The Indian Eastern Himalayan Foothills. *Environmental Management*, 70(6), pp.911-925. <https://doi.org/10.1007/s00267-022-01724-6>. [Impact factor: 3.5]
10. **Datta, P.** and Das, S., 2022. Assessing the consistency of trends in Indian summer monsoon rainfall. *Hydrological Sciences Journal*, <https://doi.org/10.1080/02626667.2022.2081507>. [Impact factor: 3.5]
11. Das, S., **Datta, P.**, Sharma, D. and Goswami, K., 2022. Trends in Temperature, Precipitation, Potential Evapotranspiration, and Water Availability across the Teesta River Basin under 1.5 and 2° C Temperature Rise Scenarios of CMIP6. *Atmosphere*, 13(6), p.941. <https://doi.org/10.3390/atmos13060941>. [Impact factor: 2.9]
12. **Datta, P.**, Behera, B., and Rahut, D.B., 2022. Climate Change and Indian Agriculture: A Systematic Review of Farmers' Perception, Adaptation, and Transformation. *Environmental Challenges*, p.100543. <https://doi.org/10.1016/j.envc.2022.100543>. [Citescore: 3.8]
13. **Datta, P.** and Behera, B., 2022. Do farmers perceive climate change clearly? An analysis of meteorological data and farmers' perceptions in the sub-Himalayan West Bengal, India. *Journal of Water and Climate Change*, 13(5), pp.2188-

2204.<https://doi.org/10.2166/wcc.2022.058>. [Impact factor: 2.8]

14. **Datta, P.** and Behera, B., 2022. Assessment of adaptive capacity and adaptation to climate change in the farming households of Eastern Himalayan foothills of West Bengal, India. *Environmental Challenges*, 7, p.100462. <https://doi.org/10.1016/j.envc.2022.100462>. [Citescore: 3.8]
15. **Datta, P.** and Behera, B., 2021. What caused smallholders to change farming practices in the era of climate change? Empirical evidence from Sub-Himalayan West Bengal, India. *GeoJournal*, pp.1-17. <https://doi.org/10.1007/s10708-021-10450-1>. [Impact factor: 2.7]
16. **Datta, P.** and Bose, S., 2020. Assessing the changes in climate extremes over Karbi Anglong district of Assam, North-East India. *Spatial Information Research*, 28(5), pp.547-558. <https://doi.org/10.1007/s41324-020-00312-2>. [Impact factor: 2.4]
17. **Datta, P.** and Das, S., 2021. Model-based strategic planning for strengthening mushroom entrepreneurship: insights from a sub-Himalayan Region of West Bengal, India. *GeoJournal*, 86(1), pp.145-158. <https://doi.org/10.1007/s10708-019-10063-9>. [Impact factor: 2.7]
18. **Datta, P.** and Das, S., 2019. Analysis of long-term precipitation changes in West Bengal, India: an approach to detect monotonic trends influenced by autocorrelations. *Dynamics of Atmospheres and Oceans*, 88, p.101118. <https://doi.org/10.1016/j.dynatmoce.2019.101118>. [Impact factor: 1.7]
19. **Datta, P.** and Das, S., 2019. Analysis of long-term seasonal and annual temperature trends in North Bengal, India. *Spatial Information Research*, 27(4), pp.475- 496. <https://doi.org/10.1007/s41324-019-00250-8>. [Impact factor: 2.4]

## Book Chapters

1. **Datta, P.,** Behera, B., 2023. Climate Change Adaptation Through Agroforestry: Empirical Evidence from Indian Eastern Himalayan Foothills. *Strategizing Agricultural Management for Climate Change Mitigation and Adaptation*. S. A. Bandh (ed.). [https://doi.org/10.1007/978-3-031-32789-6\\_10](https://doi.org/10.1007/978-3-031-32789-6_10).

## Policy Briefs

1. Addressing the impact of climate change on women farmers' health in South Asia.  
<https://www.adb.org/publications/addressing-the-impact-of-climate-change-on-women-farmers-health-in-south-asia>
2. Food Security in Times of Crisis: An Action Plan for the G7.  
<https://www.think7.org/publication/food-security-in-times-of-crisis-an-action-plan-for-the-g7/>
3. Food and Nutrition Security in the Global South: Policies, Technologies, and Institutions.  
<https://www.orfonline.org/research/food-and-nutrition-security-in-the-global-south/>.

## Papers communicated to journals

1. Rahut, D.B., Chhay, P., **Datta, P.**, Behera, B. The Transition of Household Energy Use in Cambodia Since 2004: Trends, Patterns, and Determinants.
2. Das, U., **Datta, P.**, Behera, B. Assessing the threats of climate change, hazards, and anthropogenic activities on biodiversity conservation in the Buxa Tiger Reserve, India.
3. **Datta, P.**, Rahut, D.B., Behera, B., Sonobe, T., and Naveen. Assessing Forest Villagers' Livelihood Vulnerability to the Environmental Changes in Buxa Tiger Reserve of Sub-Himalayan India
4. Mishra, T., **Datta, P.**, Behera, B. How Corporate Environmental Responsibility Impacts the Financial Performance of Indian Firms: A Systematic Literature Review.
5. Chettri, D., **Datta, P.**, Behera, B. Climate Change and Food Security in the Himalayas: A Systematic Review of the Challenges and Adaptive Responses.

## Blog posts

1. **Datta, P.**, Behera, B., and Rahut, D.B., 2022. Fixing the agriculture–climate change maladaptation information gap. *Asia Pathways*. <https://www.asiapathways-adbi.org/2022/06/fixing-the-agriculture-climate-change-maladaptation-information-gap/>
2. **Datta, P.**, Behera, B., and Rahut, D.B., 2022. Protecting victims of climate-induced migration

and displacement in South Asia. *Asia Pathways*. <https://www.asiapathways-adbi.org/2022/06/protecting-victims-of-climate-induced-migration-and-displacement-in-south-asia/>

3. Naveen, **Datta, P.**, Behera, B., and Rahut, D.B., 2023. Revitalizing South Asia's Ground Water Resources with Direct-Seeded Rice. <https://www.asiapathways-adbi.org/2023/10/revitalizing-south-asias-groundwater-resources-with-direct-seeded-rice/#:~:text=Revitalizing%20South%20Asia's%20groundwater%20resources%20with%20direct%2Dseeded%20rice,-By%20Naveen&text=The%20Indian%20state%20of%20Haryana,groundwater%20crisis%20in%20South%20Asia.>

## Works in progress

1. Famines to Obesity: Exploring the Impacts of Globalization on the Nutritional Security of India.
2. Determinants of household food security in a human-wildlife conflict-prone Tiger Reserve of sub-Himalayan India.
3. Living on the Edge: Climate Change and Human-Wildlife Interactions in the Buxa Tiger Reserve of India

## Conference and workshops

1. Asia and the Pacific Food Security Forum 2024. Deep Dive Session 7.3: Examining Health and Well-being of Producers and Consumers in the Agri-food System, Manila, Philippines, 9-12 April 2024.
2. Collaborations to Accelerate Adaptation and Climate Resilient Development, a three-day Inception Workshop to launch the Indo-Pacific Climate Hub (INPACC Hub), convened by the Melbourne Climate Futures (MCF), Bangkok, Thailand, 8–10 November 2023.
3. Conference on The Agriculture-Livestock-Forestry Nexus in Asia: Contributions and Potential for Improving Farmers' Livelihoods, Soil Health, and Climate Change Adaptation and Mitigation, Asian Development Bank Institute (ADBI), Lobesa, Bhutan, 02-03 November

2023.

4. Conference on Climate-smart Agriculture: Adoption, Impacts, and Implications for Sustainable Development, Asian Development Bank Institute (ADBI), Tokyo, Japan, 10-11 October 2023.
5. Workshop on: Policy Appraisal Tools for Low Carbon Innovation and System Transition, from October 3–5, 2023, in New Delhi.
6. Conference on Water Resource Management for Achieving Food Security in Asia Under Climate Change, Asian Development Bank Institute (ADBI), Tokyo, Japan, October 26 - 27, 2022.
7. International Conference on Global Climate Change: Finding Ways to Save Our World. Centre for Climate Change Research (CCCCR), Toronto, Canada, 30-31 May, 2022.
8. Indian Anthropology Congress – 2022, Indian National Confederation and Academy of Anthropologists (INCAA) and Department of Anthropology, University of Hyderabad, 21-23 February, 2022.
9. Conference on Environmental Challenges and Agricultural Sustainability in Asia: Interlinkages and Future Implications, Asian Development Bank Institute (ADBI), Tokyo, Japan, December 8-10, 2021.
10. International Conference on Women & Society, held at Prof. Syed Nurul Hasan College, Farakka, West Bengal, India.
11. International Conference on New Frontiers in Engineering, Science, Law, Management, Humanities and Social Science, held at Guwahati University, Assam, India.
12. International Multidisciplinary Conference on Biodiversity, Climate Change, Physical and Life Sciences, held at DHSK College, Dibrugrah, Assam, India.
13. International Conference on Climate Change, Biodiversity and Sustainable Agriculture, held at Assam Agricultural University, Jorhat, Assam, India.
14. Improved Climate Change Adaptation Strategies in Water Resources (GIAN), Indian Institute of Technology Kharagpur, India, from November 12-16, 2018.

## **Scholarships/Fellowships/Awards**

1. The Institute Research Fellowship for pursuing Ph.D. at the Indian Institute of Technology Kharagpur.
2. UGC Junior Research Fellowship Award, 2017; No. F. 15-6(JAN. 2017)/2017(NET).
3. Post-Graduate Merit Scholarship for University Rank Holder for the Year 2013-2015; No. F. 5-1/2013-15/ URH-2013-2015-6579/(SA-III).
4. Post-Graduate Indira Gandhi Scholarship for Single Girl Child (2013-2015); No. F. 8-1/2013/SGC-GEN-2013-14966/(SA-III) SGC.
5. University Silver Medal for securing second position in First Class in Geography in the Bachelor of Arts with Honours Examination, 2013, conducted by the University of North Bengal.

## **Refereeing for Journals**

1. Climatic Change [Springer]
2. Climate Services [Elsevier]
3. Agricultural Systems [Elsevier]
4. Regional Environmental Change [Springer]
5. Theoretical and Applied Climatology [Springer]
6. Environmental Development [Elsevier]
7. Wetlands Ecology and Management [Springer]
8. Environmental Management [Springer]
9. Journal of Water and Climate Change [IWA Publishing: International Water Association Publications]
10. Frontiers in Climate [Frontiers]
11. GeoJournal [Springer]
12. Arab Gulf Journal of Scientific Research [Emerald Publishing]
13. PLOS Water [PLOS]
14. The Journal of Environment & Development [SAGE Publications]
15. Geomatics, Natural Hazards and Risk [Taylor & Francis]