

# SATABDI DATTA

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## PROFILE SUMMARY

I am a researcher with academic specialization in Environmental and Resource Economics, Development Studies and Econometrics. I currently have more than 10 years of experience in empirical research and more than 3 years of experience in project management and policy advocacy. Some of the key areas of my expertise are climate change resilience, natural resource management, green and circular economy.

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## EDUCATION

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|---|-------------------------|
| <b>Ph.d in Economics</b>  | 2013- 2019              |
| Jadavpur University, Kolkata, India   |                         |
| Dissertation title: Coastal Ecosystem Services and Economic Activities: Understanding Interconnectedness through a Case Study                 |                         |
| Supervisor: Professor Joyashree Roy   |                         |
| <b>M.Phil in Development Studies</b>  | Grade 69.8% 2010- 2012  |
| Institute of Development Studies Kolkata (IDSK), Kolkata, India   |                         |
| Dissertation title: Exploring the Dynamics in Community Based Water Resource Management: A Study of Mathurapur I and II Blocks of West Bengal |                         |
| Supervisors: Dr. Uttam Bhattacharya and Dr. Jenia Mukherjee   |                         |
| <b>Master of Science in Economics</b>   | Grade 67.63% 2008- 2010 |
| University of Calcutta, Kolkata, India  |                         |
| Specialisation: Econometric Methods and Applications, Environmental and Resource Economics  |                         |
| <b>Bachelor of Science in Economics</b>   | Grade 55.75% 2005- 2008 |
| Serampore College (University of Calcutta), Serampore, India  |                         |
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## WORK EXPERIENCE

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|---|------------------------|
| <b>Post- Doctoral Researcher</b>  | October, 2022- Present |
| South and South East Asia Multidisciplinary Research Network on Transforming Societies of Global South (SMARTS) |                        |
| School of Environment, Resource and Development (SERD)  |                        |
| Asian Institute of Technology   |                        |
| Thailand  |                        |

**Senior Researcher- Policy Research and Planning**

October, 2021 – September, 2022

**Manager- Policy Research and Planning**

February 2020 – September, 2021

Development Alternatives, New Delhi, India

- **Key Responsibilities:** Project management, empirical research, monitoring and evaluation, report/ journal paper/ policy brief/ blog writing, review of knowledge products, stakeholder/ client interaction, policy advocacy, team management and technical supervision, contribution to strategic planning of the organization and programmatic area development, business development
- **Broad areas of work:** Climate change adaptation and resilience, natural resource management, inclusive development, green economy, green budget tagging, green and climate finance

**Consultant (Part-time, remote)**

April, 2022 – June, 2022

Indian Institute of Technology, Guwahati (IITG), India

- **Role:** Greenhouse gas (GHG) accounting as part of Economic analysis of costs and benefits of flood protection interventions in Assam

**Environmental Economist**

January, 2019 – February, 2020

The Celestial Earth, Gurgaon, India

- **Key Responsibilities:** Project management, data collection, data analysis, stakeholder consultation, report writing, dissemination of research activities
- **Broad areas of work:** Valuation of recreational ecosystem services, biodiversity expenditure review and contribution to state Biodiversity Action Plan

**Project Fellow**

November, 2012– March, 2017

Global Change Programme, Jadavpur University, Kolkata, India

- **Key Responsibilities:** Research support, primary and secondary data collection, quantitative and qualitative data analysis, stakeholder consultation, report writing, dissemination of research activities, administrative works of research projects
- **Broad areas of work:** Ecology–economy interactions, economic and socio–economic status of rural communities, assessment of willingness to pay for drinking water access

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## VOLUNTARY EXPERIENCES

**Editor and Contributor**

April, 2022– Present

WeADAPT, Stockholm Environment Institute

- **Key Role:** Working with the WeADAPT team to curate content within various themes on the platform as an expert in the field of climate adaptation, reviewing user–submitted content, making contribution to content and helping WeADAPT to grow the network of users

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## AWARDS AND HONOURS

### Professional and Academic

- TARA Award for 'Most Promising New Staff Member' in appreciation of an outstanding contribution to the Development Alternatives Group and to the cause of sustainable national development, Development Alternatives, October 2021.
- Swami Vivekananda Single Girl Child Fellowship for Research in Social Sciences, University Grants Commission (UGC), India, 2017- 2018.
- Project Fellow for Asia- Pacific Network for Global Change Research (APN) project on "Coastal Ecosystem and Changing Economic Activities: Challenges for Sustainability Transition along Chinese and South Asian Coasts", Global Change Programme, Jadavpur University, 2012- 2015.
- Finalist of the Sage Best Paper Award for paper "Exploring the Institutional Dynamics in Community based Water Resource Management: A Case Study from the Indian Sundarbans" presented at International Conference on Environment, Technology and Sustainable Development: Promises and Challenges in the 21st Century, ABV-IIITM, Gwalior, India, March 02- 04, 2014.

### Photography

- Finalist of the Photo Contest on "Shining a light on the Cryosphere and society in the HKH" , ICIMOD, August 2019.
- Monthly contest winner of L. B. Brown Memorial Photo Contest 2015 for "July: Empowering the Youth", Asia- Pacific Network for Global Change Research, July 2015.
- Monthly contest winner of L. B. Brown Memorial Photo Contest 2015 for "June: Promoting Sustainable Lifestyle", Asia- Pacific Network for Global Change Research, June 2015.
- Photo story published in 'Landscaping Actually: Forests to Farm through a Gender Lens' based on selection of photo story submitted to the International photo and story competition titled 'Forests-Agriculture interface through a Gender Lens', CGIAR Research Program Forests, Trees and Agroforestry Gender (FTA Gender), International Center for Tropical Agriculture (CIAT), Colombia, January 2015.

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## CERTIFICATION COURSES

AuctusESG LLP and Environmental Management Centre LLP conducted certification course on "Sustainable Finance, ESG and Non-Financial reporting", October 4- 8, 2021

Bankers Institute of Rural Development (BIRD) conducted training programme on "Green Financing", June 8- 10, 2020

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## TECHNICAL PROFICIENCY

**Quantitative Analysis:** Econometric applications, Ecosystem Services Valuation, Livelihood Vulnerability Assessment, Cost-Benefit Analysis, Green House Gas (GHG) Accounting, Green Budget Tagging

**Software:** Microsoft Office, CS-Pro, E-Views, Stata, SPSS, R, Photoshop

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## LANGUAGE PROFICIENCY

**English**      Fluent  
**French**        Basic

**Hindi**         Confident  
**Bengali**        Fluent (Native)

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## PUBLICATIONS

**Datta, S.** and Roy, J. (2023). Threats from weather events, urbanization and resilience: A case study of a coastal geography in India. *Journal of Integrative Environmental Sciences*. 20(1). DOI: 10.1080/1943815X.2023.2218474

**Datta, S.** and Roy, J. (2022). Exploring adaptive capacity: Observations from the vulnerable human-coastal environmental system of the Bay of Bengal in India. *Front. Clim.* 4:1007780. doi: 10.3389/fclim.2022.1007780

Goswami, G., Roy, S., **Datta, S.**, Manna, S. (2022). Sustainable supply chain intervention: A case-based analysis of the Economics of Land Degradation. *International Journal of Sustainable Development*. 25(1). 160– 190.

Patel, S., Steele, P., Mohamed, N., Hopkins, C., Worsley, S., Werikhe, A., Ntambirweki, B., Okiira, J., **Datta, S.**, Goswami, G., Dutta, M., Rigolo, C., Goes, M., Sampaio, G., Picamilh, C., Anglada, C. (2022). Post-COVID Economic Recovery and Natural Capital: Lessons from Brazil, France, India, and Uganda. Green Economy Coalition. URL: <https://www.greeneconomycoalition.org/assets/reports/GEC-Reports/GR-Country-reports/Natural-Capital-and-COVID-Economic-Recovery-web-single.pdf>

**Datta, S.**, Goswami, G. (2022). Green Economic Recovery of India: Scopes and Opportunities for Selected Key Sectors. Policy Brief. Development Alternatives.

**Datta, S.**, Goswami, G., Dutta, M. (2021). Indian case study on 'Integrating Natural Capital into Government Post-COVID Economic Decision-Making and Economic Recovery'. Technical Report. Development Alternatives.

Goswami, G., **Datta, S.**, Sharma, S., Mukherjee, J. (2021). Locally informed “remediation” interventions: Lessons of community (co)engagement from semi-arid Bundelkhand, India. In Bhunia, G. S., Chatterjee, U., Kashyap, A., Shit, P. (Ed.), *Land Reclamation and Restoration Strategies for Sustainable Development* (pp. 729– 746). Elsevier.

Roy J., **Datta S.** et al (2021). Coastal Ecosystems and Changing Economic Activities: Challenges for Sustainability Transition. In Pal I., Shaw R., Djalante R., Shrestha S. (Ed.), *Disaster Resilience and Sustainability: Adaptation for Sustainable Development* (pp. 397– 424). Elsevier.

**Datta, S.** (2021). Driving green economic recovery through public policy: The story of India. Green Economy Coalition. URL: <https://www.greeneconomycoalition.org/news-and-resources/driving-green-economic-recovery-through-public-policy-the-story-of-india>

**Datta, S.**, Goswami, G., Manna, S. (2020). Land Remediation for Achieving Global and National Targets: Case Study of Bundelkhand (India) through Capitals Approach. Policy Brief. Development Alternatives.

Goswami, G., Markandya, A., Manna, S., **Datta, S.**, Bisht, R. (2020). Economics of Land Degradation: Evaluating the Impact of Land Remediation through the Lenses of Natural Capital and SDGs in the Bundelkhand Region in Madhya Pradesh, India. Technical Report. Development Alternatives.

**Datta, S.** (2020). India's environmental laws and COVID-19: A case study on regulation. Green Economy Coalition. URL: <https://www.greeneconomycoalition.org/news-analysis/indias-environmental-laws-and-covid-19>

Roy, J., Mandal, S. K., Islam, S. T., **Datta, S.**, Pal, I., Khan, A.S. (2019). Guarding the coasts. In Espinosa, Patricia et al. *Climate Change Strategies 2020* (pp. 59– 61). Climate Technology Centre and Network (CTCN) and Witan Media Ltd, UK.

Mukhopadhyay, K. and **Datta, S.** (2019). Climate Change, Rising Temperature and Heat Related Illness: Indian Scenario. *Journal of Global Resources*. 5 (1), 73–78.

**Datta, S.** (2017). Dynamics and Pay-offs in Community-based Water Resource Management: A Case Study from Indian Sunderbans. In P. Swarnakar, S. Zavestoski, & B. K. Pattnaik, "Bottom-up" Approaches in Governance and Adaptation for Sustainable Development: Case Studies from India and Bangladesh (pp. 133- 151). New Delhi: SAGE Publications India Pvt. Ltd.

Roy, J., **Datta, S.**, Kapuria, P., Guha, I., Banerji, R., Rao, S., et al. (2016). Coastal Ecosystem and Changing Economic Activities and Vulnerabilities along Chinese and South Asian Coasts. APN Science Bulletin (6), 21- 26.

**Datta, S.** (2014). The Prospect and Trend in Participatory Rainwater Harvesting in West Bengal: Sunderban Case Study. In J. Mukherjee, & C. Palit, History and Beyond: Trends and Trajectories (pp. 147- 160). New Delhi: Kunal Books.

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## PARTICIPATION IN CONFERENCES/SEMINARS/ WEBINARS/WORKSHOPS (SELECTED)

- Presented paper on 'Cost of a linear plastic economy: A case study of Indonesia' at the special session on "**Sustainable circular economy**", Bi-annual conference of The International Society for Industrial Ecology, Leiden, Netherlands, 2nd July 2023
- Panelist in Dialogue among stakeholders and CSOs on sub-national green finance at Roundtable for '**Greening of finance at sub-national level**' jointly organized by Shakti Sustainable Energy Foundation, Agence Française de Développement (AFD) and Small Industries Development Bank of India (SIDBI), April 14, 2022.
- Panelist in Debate on '**Towards a nature positive economic recovery post COVID-19**' hosted by International Institute for Environment and Development (IIED) and Green Economy Coalition (GEC), November 23, 2021.
- Presented paper in Webinar on '**Biodiversity means Transition: Transitioning the policy pathway towards "greening" of post-COVID economic recovery of India**' jointly organized by Development Alternatives, Green Economy Coalition (GEC) and the European Union Delegation to India, New Delhi, India, August 12, 2021.
- Participated and presented paper in the '**World Risk and Adaptation Futures**' – Summer Academy jointly organized by UNU-EHS, UNFCCC, Munich Re Foundation, Ludwig Maximilian University of Munich (LMU) and UNU-INRA in Accra, Ghana from October 07- 11, 2019.
- Presented paper on "Exploring Adaptive Capacity against Natural Hazards: A Case Study" at the 9th International Conference on '**Climate Change: Co-benefits and Conflicts in Climate Change and Sustainable Development**' at TISS, Mumbai, August 10- 11, 2018.
- Presented paper on "Building Resilience in Coastal Ecosystem based Economy: A Case Study" at the International Geographical Union (IGU) sponsored conference on '**Coastal Transitions**' in New Haven, CT, USA, March 29- April 01, 2017.
- Workshop on '**Spatial Econometrics**', Department of Economics, Jadavpur University, Kolkata, India, March 27- 29, 2017.
- Presented paper on "Ecology- Economy Interaction in Coastal West Bengal: A Case Study" at Two Day National Conference and Workshop on '**Environmental Policy and Practice**', Centre for Advanced Studies, Department of Economics, Jadavpur University, Kolkata, India, March 13- 14, 2017.
- Presented paper on "Resilience in Coastal Ecosystem based Economy" at International Conference on '**Climate Change Resilience**' (ICCCR- 2015), organized by Department of Ecology and Environmental Sciences, Pondicherry University and Indian European Multilevel Climate Governance Research Network (IECGN), at Pondicherry, India, October 04- 06, 2015.

- National Workshop on '**Green Accounting: Theories and Practices**', Centre for Advanced Studies, Department of Economics and Global Change Programme, Jadavpur University, Kolkata, India, March 30, 2015.
- **Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report (AR5) Dissemination Workshop** (International), Kolkata, organized by Global Change Programme–Jadavpur University in collaboration with West Bengal Pollution Control Board, Department of Environment, Government of West Bengal and supported by Climate Development Knowledge Network (CDKN), Kolkata, India, March 09, 2015.
- One Week International Workshop on '**Accounting for Ecosystem Services: Theory and Practice**', organized by Global Change Programme–Jadavpur University in collaboration with TIFAC (Department of Science and Technology, Government of India) and International Institute for Applied Systems Analysis (IIASA, Austria), Kolkata, India, May, 2014.
- Participated and presented paper in '**Water Futures II: A Dialogue for Young Scholars and Professionals**', organized by Centre for North East Studies and Policy Research (Jamia Millia Islamia, New Delhi, India), Department of International Relations (University of Dhaka, Bangladesh) in association with Ecosystems for Life: A Bangladesh–India Initiative, International Union for Conservation of Nature (IUCN), held in Kolkata (India) and Dhaka (Bangladesh), October 26–November 06, 2014.
- Presented paper on “Community based Water Resource Management: An Enquiry into the Concept” at International Junior Research Scholar’s Seminar on '**All About Water**' organized by the Corpus Research Institute, Kolkata, India, June 27– 28, 2014.
- Presented paper on “Exploring the Institutional Dynamics in Community based Water Resource Management: A Case Study from the Indian Sundarbans” at International Conference on '**Environment, Technology and Sustainable Development: Promises and Challenges in the 21st Century**', organized by ABV– IITM (Gwalior, India), ISEC (Bangalore, India) and University of San Francisco (USA), Gwalior, India, March 02– 04, 2014.

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## CONTACT INFORMATION OF REFEREES

### 1. Professor Dr. Joyashree Roy

Professor of Economics, Jadavpur University  
Kolkata: 700032, India  
Inaugural Bangabandhu Chair Professor, AIT (2018–2022)  
Founder Advisor, Global Change Programme & SYLFF–JU  
Email: joyashreeju@gmail.com, joyashree@ait.asia

### 2. Professor Dr. Anamika Barua

Professor (Ecological Economics)  
Humanities and Social Sciences  
Indian Institute of Technology, Guwahati  
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### 3. Professor Dr. Anil Markandya

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