

Suvajit Banerjee

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24 Parganas, West Bengal, India, PIN: 743136.

Summary

Suvajit Banerjee is a macroeconomic modeler with over three years of post-PhD experience in policy-oriented research, focusing on trade and environmental issues. His work centers on border carbon adjustment aspects and energy sector dynamics. He has provided consulting services to multilateral funding organizations such as the World Bank and IIED. His research and teaching interests revolve around energy and environmental economics. Methodologically, he specializes in input-output analysis (IOA) and computable general equilibrium (CGE) modeling. Additionally, he has been honoured with the 2023 Leontief Memorial Prize, the highest recognition for a young researcher in the field of input-output analysis and modeling awarded by the International Input-Output Association (IIOA).

Academic Profiles

<i>ResearchGate</i>	https://www.researchgate.net/profile/Suvajit-Banerjee-2
<i>SCOPUS Author</i>	https://www.scopus.com/authid/detail.uri?authorId=57217306522
<i>Google Scholar</i>	https://scholar.google.com/citations?user=-i5MU_wAAAAJ&hl=en

Research Experience

<i>Research Advisor (Remote Position)</i>	<i>Aug 2022 to present</i>
Infinite Sum Modeling LLC	
Responsibilities: Developing research ideas in the field of Energy and Climate Change Economics.	
<i>Research Intern (Remote Position)</i>	<i>Oct 2020 to Aug 2022</i>
Infinite Sum Modeling LLC	
Responsibilities: Assisting research teams in the Input-Output Analysis (IOA) and CGE modeling-based critical issues.	
<i>Research Assistant (Remote Position)</i>	<i>Jan 2016 to Dec 2016</i>
World Bank Funded Project on “ <i>Economy Wide Impact of Regional Integration in South Asia</i> ”	
Responsibilities: Updating the Social Accounting Matrices (SAM) of India to calibrate the Global CGE model to study the household-level impact on SAFTA.	

Teaching Experience

1) Invited Resource Person for Input-Output Training workshop for Maharashtra State government officials on the newly constructed Maharashtra Supply Use Table at Gokhale Institute of Politics and Economics (GIPE) , Pune, India.	<i>16-20 Oct 2023</i>
2) Invited Resource Person for Online methodology training workshop on the <i>Application of Input-Output Analysis in Economics Research</i> for the masters and PhD students of the Indian Institute of Foreign Trade (IIFT) .	<i>21-29 Sep 2021</i>
3) Assistant Teacher of Economics under the School Education Department, Govt. of West Bengal . India. Presently posted at Lalgopal High (H.S.) School, Ranaghat, PIN: 741201.	<i>Jul 2011 to Present</i>

	4) Guest Lecturer of Economics in Ranaghat College (Affiliated Under University of Kalyani), Ranaghat, Nadia, West Bengal, PIN: 741201.	<i>Sep 2009 to Apr 2011</i>
Consultancy Experience	<i>Independent Consultant</i>	<i>Feb 2021 to July 2021</i>
	1) International Institute for Environment and Development (IIED) -funded Project on Climate Resilient Planning and Budgeting under MGNREGS.	
Education	Ph.D. in Economics , Department of Economics and Politics, Vidya Bhavana, Visva Bharati University , Santiniketan, West Bengal. Thesis Title: <i>International Trade under Climate Change: An Indian Perspective</i>	<i>Nov 2016 to Apr 2022</i>
	B.Ed. , West Bengal State University, 1st Class .	<i>2010 to 2011</i>
	M.Sc. Economics , Department of Economics, University of Kalyani, West Bengal, First Class 1st .	<i>2007 to 2009</i>
	B.Sc. Hons. Economics , Kanchrapara College, affiliated under the University of Kalyani, West Bengal, 2nd Class .	<i>2003 to 2007</i>
	12th , West Bengal Council of Higher Secondary Education (WBCHSE).	<i>2003</i>
	10th , West Bengal Board of Secondary Education (WBBSE).	<i>2000</i>
Research Interests	Interplay between the Energy Sector and the Economy, Emission Mitigation, Renewable Energy and Climate Sustainability, Trade, and the Environment, Carbon Credit Market, Input-Output Analysis, CGE Modelling, Industrial Ecological and Life Cycle Analysis.	
Publications	<i>Journal Articles</i>	
	i. Ghosh, A., Banerjee, S. (2023). Exploring the relevance of crude oil prices and installed generation capacity in prognosticating the NIFTY Energy Index. <i>Millennial Asia</i> (SAGE), 14(4), pp.560-581. (Indexing: ESCI, SCOPUS; SCIMAGO-Q.3, IF: 1.6.) https://doi.org/10.1177/09763996221081196	
	ii. Banerjee, S. (2022). Emission-decoupling accounting framework of the Environmental Kuznets Curve (EKC) for India with structurally decomposed production and consumption-based drivers. <i>Management of Environmental Quality</i> . 33(5), 1305-1325. (Indexing: SCOPUS, SCIMAGO-Q.2; ABDC-C.) https://doi.org/10.1108/MEQ-03-2022-0050	
	iii. Singh, S., Banerjee, S. (2022). Is there any Dichotomy between India's new FTA strategy and its Trade policy? <i>Economic and Political Weekly</i> . 57(24), 25-28. (Indexing: SCOPUS, SCIMAGO-Q.2; ABDC-B.) https://www.epw.in/journal/2022/24/commentary/there-any-dichotomy-between-indias-new-fta.html	
	iv. Ul-Husnain, I.A., Nasrullah, N., Khan, M.A., Banerjee, S. (2021). Scrutiny of income related drivers of energy poverty: A global perspective. <i>Energy Policy</i> . 157, 112517. (Indexing: SCI, ABDC-A, SCOPUS, SCIMAGO-Q.1; Impact Factor: 6.142.) https://doi.org/10.1016/j.enpol.2021.112517	
	v. Banerjee, S. , Khan, M.A., ul-Husnain, I.A., (2021). Searching appropriate system boundary for accounting India's emission inventory for the responsibility to reduce carbon emissions. <i>Journal of Environmental Management</i> . 295, 112907. (Indexing: SCI, ABDC-A, SCOPUS, SCIMAGO-Q.1; Impact Factor: 5.647.) https://doi.org/10.1016/j.jenvman.2021.112907	
	vi. Banerjee, S. (2021). Conjugation of Border and Domestic Carbon Adjustment and Implications under Production and Consumption based Accounting of India's National Emission Inventory: A Recursive Dynamic CGE Analysis. <i>Structural Change and</i>	

Economic Dynamics. 57, 68-86. (Indexing: SSCI, ABDC-B, SCOPUS, SCIMAGO-Q.2; Impact Factor: 2.023). <https://doi.org/10.1016/j.strueco.2021.01.007>

- vii. **Banerjee, S.** (2021). Carbon adjustment in a consumption-based emission inventory accounting: a CGE analysis and implications for a developing country. **Environmental Science and Pollution Research**. 28, 19984–20001 (Indexing: SCI, SCOPUS, SCIMAGO-Q.2; Impact Factor: 3.056). <https://doi.org/10.1007/s11356-020-11771-3>
- viii. **Banerjee, S., Hazra, S., Khan, M.A., ul Husnain, M.I.** (2021). Investigating India's pollution-intensive 'dirty' trade specialisation: analysis with 'revealed symmetric comparative advantage' index. **Environmental Science and Pollution Research**. 28, 30153–30167 (Indexing: SCI, SCOPUS, SCIMAGO-Q.2; Impact Factor: 3.056). <https://doi.org/10.1007/s11356-021-12790-4>
- ix. **Banerjee, S.** (2020). Addressing the carbon emissions embodied in India's bilateral trade with two eminent annex-II parties: with input-output and spatial decomposition analysis. **Environment Development and Sustainability**. 23, 5430–5464. (Indexing: SCIE, SCOPUS, SCIMAGO-Q.2; Impact Factor: 2.191). <https://doi.org/10.1007/s10668-020-00824-9>
- x. **Banerjee, S., Murshed, M.** (2020). Do emissions implied in net export validate the pollution haven conjecture? Analysis of G7 and BRICS countries. **International Journal of Sustainable Economy**. 12(3), 297–319. (Indexing: ABDC-C, SCOPUS, SCIMAGO-Q.3). <https://doi.org/10.1504/IJSE.2020.111539>
- xi. **Murshed, M., Mahmood, H., Alkhateeb, T.T.Y., Banerjee, S.** (2020) Calibrating the impacts of regional trade integration and renewable energy transition on the sustainability of international inbound tourism demand in South Asia. **Sustainability**. 12(20), 8341. (Indexing: SSCI, SCOPUS, SCIMAGO-Q.1; Impact Factor: 2.576). <https://doi.org/10.3390/su12208341>
- xii. **Murshed, M., Ali, S.R., Banerjee, S.** (2020). Consumption of liquefied petroleum gas and the EKC hypothesis in South Asia: evidence from cross-sectionally dependent heterogeneous panel data with structural breaks. **Energy Ecology and Environment**. 6, 353–377. (Indexing: ESCI, SCOPUS, SCIMAGO-Q.2). <https://doi.org/10.1007/s40974-020-00185-z>
- xiii. **Banerjee, S.** (2020) Carbon emissions embodied in India-United Kingdom trade: a case study on north-south debate. **Foreign Trade Review**. 55(2), 199–215. (ESCI, ABDC-B, SCOPUS). <https://doi.org/10.1177/0015732519894149>
- xiv. **Banerjee, S.** (2019). Addressing the drivers of carbon emissions embodied in Indian exports: an index decomposition analysis. **Foreign Trade Review**. 54(4), 300–330., (Indexing: ESCI, ABDC-B, SCOPUS), <https://doi.org/10.1177/0015732519874208>

Book Chapter/ Conference Proceeding

- i. Hazra, S., **Banerjee, S.**, Das, S.K. (2022). Desalination of ocean water: How far does it contribute to the blue economy? In: Bhukta, A., Hazra, S. (Eds.). **The Blue Economy: An Asian Perspective**. Springer Cham https://doi.org/10.1007/978-3-030-96519-8_8
- ii. **Banerjee, S., Ghosh, A.** (2021). Reinvigorating Green Bond as an Alternative Energy Investment amidst Foreseeable Funding Crisis due to the Great Lockdown. **Doctoral Symposium 2020 Conference Proceedings**. Indian Institute of Management Kozhikode (IIM-K). ISBN: 978-81-926239-5-5. Web: https://forms.iimk.ac.in/research/ds2020/DS2020_Symposium_Proceedings.pdf

Awards

- i. Winner of **Leontief Memorial Prize of 2023**. In memory of Wassily W. Leontief, Nobel Laureate in Economic Sciences of 1973, The *International Input-Output Association (IIOA)* acknowledges this highest title for a young researcher (below 40 years' category) in the area of Input-Output Analysis and Modelling. Since 2000, The Prize has been awarded for the first time to an Indian. For the solo-authored paper, a monetary prize of USD1000 is awarded. Web: https://www.iioa.org/who_we_are/fellows_and_prizes.html
- ii. Winner of **Travel Grant** for attending the 29th *International Input-Output Association (IIOA)* Conference in Alghero, Italy in June 2023 worth USD2500.

- iii. **Best Paper Award** at the 6th IIFT Conference on *Empirical Issues in International Trade & Finance* (eiitf) 2018 at Indian Institute of Foreign Trade, New Delhi in December 2018.
- iv. UGC-NET 2015 Qualified and WB-SET 2015 Qualified.
- v. Received the **1st in the 1st Class Merit Certificate** from the Hon'ble Governor of West Bengal (University Chancellor) on the 20th Convocation of the University of Kalyani in 2009.

Presentations

International Conferences

- i. **29th International Input-Output Association Conference and 11th Edition of the International School of the Input-Output Analysis** in Alghero, Sardinia, Italy from 25-30 June 2023.
- ii. **30th Annual Conference** on Contemporary Issues on Development Economics at Jadavpur University, **Kolkata** on 27-29 December 2022.
- iii. **2nd Biennial Conference on Development** at Indira Gandhi Institute of Development Research (IGIDR), **Mumbai** on 21-23 December 2022.
- iv. **Doctoral Symposium 2020** at the Indian Institute of Management Kozhikode (**IIM-K**), (Online) on 10-11 December 2020.
- v. **GTAP 23rd Annual Conference on Global Economic Analysis** at Center for Global Trade Analysis, Purdue University, USA, (Online) on 17-19 June 2020.
- vi. **3rd International Conference on Economics and Finance** at Nepal Rastra Bank, **Kathmandu**, Nepal on 28-29 February 2020.
- vii. **5th SANEM Annual Economists Conference (SAEC)** at South Asia Network on Economic Modelling (SANEM), **Dhaka**, Bangladesh on 02-03 February 2020.
- viii. **3rd International Conference on Issues in Economic Theory and Policy** at Economics Department, Presidency University, **Kolkata** on 26-27 December 2019.
- ix. **6th IIFT Conference on Empirical Issues in International Trade & Finance** at Indian Institute of Foreign Trade, **New Delhi** on 13-14 December 2018.
- x. **Conversations on Research (CoRe): IGIDR PhD Colloquium** at Indira Gandhi Institute of Development Research, **Mumbai** on 13-16 November 2018.
- xi. **6th International Conference on WTO, Trade and Agriculture** at Centre for WTO Studies, Indian Institute of Foreign Trade, **New Delhi** on 11-12 October 2018.
- xii. **28th Annual Conference on Contemporary Issues in Development Economics** at Department of Economics, Jadavpur University, **Kolkata** on 21-22 December 2017.

National Conferences

- i. **One Day Research Scholar Workshop on Economics** at Department of Economics, University of Kalyani, **Kalyani**, West Bengal on 28 February 2019.
- ii. **2nd Research Scholars' Workshop** at Department of Economics and Politics, Visva Bharati, **Bolpur**, West Bengal on 16 March 2018.

Participations

Capacity Building Programmes

- i. 03-06 July 2018: **Capacity Building Workshop on NTMs: economic assessment and policy options for development** at The United Nations ESCAP and UNCTAD, **Bangkok**, Thailand.
- ii. 12-16 August 2017: **Tenth South Asian Training Program on CGE Modelling** at South Asia Network on Economic Modelling (SANEM), **Cox's Bazar**, Bangladesh.
- iii. 13-14 March 2017: **Two Day National Conference and Workshop on Environmental Policy and Practice** at The Centre for Advanced Studies, Department of Economics, Jadavpur University, **Kolkata**.

- iv. 23-29 May 2016: **Summer School on Research Methodology: Applications of Econometrics and Statistics** at National Institute of Technology **Durgapur** in collaboration with The Indian Econometric Society (TIES).

e-Learning Courses

- i. **Environmental and Resource Economics** (NPTEL 12 week's course) Course offered by IIT-Madras. Elite Certificate (Consolidated score of 73%).
- ii. **Energy Economics and Policy** (NPTEL 8 week's course) Course offered by IIT-Mandi. Stood topper among the total number of students certified in the course. Elite Certificate. (Consolidated score of 81%).
- iii. **Course on Climate-smart Trade and Investment for Sustainable Development** (August, 2022). Course jointly organised by UNESCAP, UNEP and UNCTAD. Permanent Link: <https://certificate.tiid.org/eCertificates/Details/7c6bf998-39a6-4654-bcc1-3cc9137fbd02>
- iv. **Energy Economics, Environment and Policy** (March, 2022). Course Offered by the Asian Development Bank Institute (ADBI). Permanent Link: https://elearning-adbi.org/certificates/energy-economics-environment-and-policy/?course_id=2292&cert-nonce=0fa01f659b
- v. **Green Investments: Renewable Energy** (March, 2022). Course Offered by the Asian Development Bank Institute (ADBI). Permanent Link: https://elearning-adbi.org/certificates/green-investments-renewable-energy/?course_id=36271&cert-nonce=9802814e0f

Teaching Interests

Advanced Microeconomics, Macroeconomics, Energy Economics and Management, Environmental Economics, Border Carbon Adjustment and Carbon Credit Market, Urban Metabolism, Waste Management and Industrial Ecological Analysis, Material Flow Analysis (MFA), and Life Cycle Analysis (LCA).

Methodological Skills

Static and Dynamic Input-Output Analysis, Index and Structural Decomposition, Computable General Equilibrium (CGE) Modelling, Linear Programming Problem, Complex Network Analysis (CNA).

Statistical Packages: MS-Excel, GAMS, R.

Databases used: WDI, WIOD, ADB-MRIO, EXIOBASE, GTAP-E.

Membership

International Input-Output Analysis (IIOA)

Personal Data

Gender: Male

Marital Status: Married

Date of Birth: 20.11.1983

Languages Known: Bengali, English, Hindi

Hobby: Painting