

# Avik Sinha

Associate Professor, Xi'an Jiaotong-Liverpool University, China

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## Academic Affiliations

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2024 – **Associate Professor**  
HeXie Management Research Centre, [Xi'an Jiaotong-Liverpool University](#), China.

2023 – 2024 **Associate Professor**  
Economics & Public Policy, [Management Development Institute Gurgaon](#), India.

2021 – 2023 **Associate Professor**  
General Management and Economics, [Goa Institute of Management](#), India.

2019 – 2021 **Assistant Professor**  
General Management and Economics, [Goa Institute of Management](#), India.

2018 – 2019 **Research Assistant Professor**  
Economics and Business Policy, [Atria Institute of Technology](#), India.

2017 – 2018 **Assistant Professor**  
Centre for Economics and Finance, [Administrative Staff College of India](#), India.

2016 – 2017 **Research Mentor**  
Management Research Vertical, [Accendere Knowledge Management Services](#), India.

2008 – 2011 **Assistant System Analyst**  
BFSI Domain, [Tata Consultancy Services](#), India.

## Education

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2011 – 2016 **Fellow Programme in Management (Doctoral)**  
Economics, [Indian Institute of Management Indore](#).  
Thesis: *Environmental Kuznets Curve Hypothesis in Indian Context: Some Methodological Concerns*.

2006 – 2008 **Post Graduate Diploma in Management**  
Finance, [Institute for Technology and Management Mumbai](#), *cum laude*.

2001 – 2005 **Bachelor of Engineering**  
Electronics and Communication Engineering, [National Institute of Technology Durgapur](#).

## Research Interests

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- [1] Energy and Environmental Economics
- [2] Sustainable Development
- [3] Applied Econometrics

## Selected Publications

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[Scopus Q1]

1. **Sinha, A.**, Wu, J., Sheraz, M., Qin, Q., 2025. [China needs to address growing problem of discarded electric-vehicle batteries](#). **Nature** (forthcoming).

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2. **Sinha, A.**, Murshed, M., Das, N., Saha, T., 2025. [Modeling renewable energy market performance under climate policy uncertainty: A novel multivariate quantile causality analysis](#). **Risk Analysis**, 1-55.

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3. **Sinha, A.**, Tiwari, S., Saha, T., 2024. [Modeling the Behavior of Renewable Energy Market: Understanding the Moderation of Climate Risk Factors](#). **Energy Economics**, 130, 107290.
4. **Sinha, A.**, Ghosh, V., Hussain, N., Nguyen, D.K., Das, N., 2023. [Green Financing of Renewable Energy Generation: Capturing the role of Exogenous Moderation for Ensuring Sustainable Development](#). **Energy Economics**, 126, 107021.
5. **Sinha, A.**, Bekiros, S., Hussain, N., Nguyen, D.K., Khan, S.A., 2023. [How Social Imbalance and Governance Quality Shape Policy Directives for Energy Transition in the OECD Countries?](#). **Energy Economics**, 120, 106642.
6. Balsalobre-Lorente, D., **Sinha, A.**, Murshed, M., 2023. [Russia-Ukraine conflict sentiments and energy market returns in G7 countries: Discovering the unexplored dynamics](#). **Energy Economics**, 125, 106847.
7. Deyi, X., Sheraz, M., Hassan, A., Sinha, A., Ullah, S., 2022. [Financial development, renewable energy and CO2 emission in G7 countries: New evidence from non-linear and asymmetric analysis](#). **Energy Economics**, 109, 105994.

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8. Jindal, A., Nilakantan, R., **Sinha, A.**, 2024. [CO2 emissions abatement costs and drivers for Indian thermal power industry](#). **Energy Policy**, 184, 113865.
9. Abbas, S., **Sinha, A.**, Saha, T., Shah, M.I., 2023. [Response of mineral market to renewable energy production in the USA: Where lies the sustainable energy future](#). **Energy Policy**, 182, 113749.
10. **Sinha, A.**, Balsalobre-Lorente, D., Zafar, M.W., Saleem, M.M., 2022. [Analyzing global inequality in access to energy: Developing policy framework by inequality decomposition](#). **Journal of Environmental Management**, 304, 114299.
11. **Sinha, A.**, Adhikari, A., Jha, A.K., 2022. [Innovational duality and sustainable development: finding optima amidst socio-ecological policy trade-off in post-COVID-19 era](#). **Journal of Enterprise Information Management**, 35 (1), 295-320.
12. **Sinha, A.**, Sharif, A., Adhikari, A., Sharma, A., 2022. [Dependence structure between Indian financial market and energy commodities: a cross-quantilogram based evidence](#). **Annals of Operations Research**, 313 (1), 257-287.

## Conferences

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1. Impact of Energy Innovation on GHG emissions: Moderation of Regional Integration and Social Inequality in Asian economies. Effective Greenhouse Gas Emission Control Policies, August 2021, **Asian Development Bank**.

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2. Collaboration between Central and State Government and Environmental Quality: Evidences from Indian Cities. Winter School 2014, December 2014, **Delhi School of Economics**.

## Working Papers

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1. **Sinha, A.**, Shah, M.I., Mehta, A., Sharma, R., 2022. [Impact of Energy Innovation on GHG emissions: Moderation of Regional Integration and Social Inequality in Asian economies](#). Working Paper No. 1304, **Asian Development Bank Institute**.
2. Sengupta, S., **Sinha, A.**, 2022. [Localising the SDGs in India: The role of government and private training institutes](#). Discussion Paper 1/2022, **German Development Institute**.

## Teaching

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- 2024 – 2025 **International Trade**, Xi'an Jiaotong-Liverpool University (Undergraduate)
- 2024 – 2025 **Macroeconomics**, Xi'an Jiaotong-Liverpool University (Undergraduate)
- 2023 – 2024 **Clean Energy Transition**, Management Development Institute Gurgaon (Doctoral)
- 2023 – 2024 **Microeconomics**, Management Development Institute Gurgaon (PGDM)
- 2023 – 2024 **Microeconomics**, Management Development Institute Gurgaon (PGDM, HRM)
- 2023 – 2024 **Macroeconomics**, Management Development Institute Gurgaon (PGDM, Online)
- 2023 – 2024 **Managerial Economics**, Management Development Institute Gurgaon (PGDM, Business Analytics)
- 2019 – 2023 **Academic Writing**, Goa Institute of Management (Doctoral)
- 2019 – 2023 **Managerial Economics**, Goa Institute of Management (PGP)
- 2019 – 2023 **Microeconomics**, Goa Institute of Management (PGP, BIFS)
- 2019 – 2023 **Business Economics**, Goa Institute of Management (PGP, Big Data Analytics)
- 2018 – 2019 **Microeconomics**, Atria Institute of Technology (MBA)

## Doctoral Supervision

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- 2024 – **Deepak Kushawaha**, Indira Gandhi Institute of Development Research, India.
- 2024 – **Yawar Ahmad Dar**, SRM University, AP, India.

## Honors and Awards

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- 2025 **Most Cited Chinese Researchers** in Management and Social Science by Elsevier
- 2023 **Clarivate India Research Excellence - Citation Awards 2023**, for Research Excellence in Social Sciences, Arts and Humanities category.
- 2010 **TCS GEM** three times for distinguished services in different areas.
- 1999 **National Merit Scholarship** for **SSC**.

## Invited Talks

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- 2023 Future of Energy Transition, Anhui University of Finance and Economics, China
- 2022 Academic Writing, Ural Federal University, Russia
- 2022 Panel Data Econometrics, MDI Gurgaon, India
- 2022 Academic Writing, Delhi University, India
- 2022 Economic Modeling, Guru Gobind Singh Indraprastha University, India

## Academic Citizenship

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Associate Editor of [Environment, Development and Sustainability](#)

Associate Editor of [International Economics and Economic Policy](#)

Associate Editor of [Vision: The Journal of Business Perspective](#)

International Editorial Advisor of [Energy Policy](#)

German Development Institute grant (€3,600)

Member of **Research Committee** at Management Development Institute Gurgaon

Member of **Centre for Excellence in Sustainable Development** at Goa Institute of Management

## Personal

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Nationality: Indian  
Date of Birth: September 11, 1982  
Passport Number: R5267519  
Language: Bengali, English, Hindi



Date: April 29, 2025