

Dr. MOUSAMI PRASAD

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Research Interest

Energy and Climate Change; Energy Economics, Energy Policy, Energy Technologies

Journals

- Thomas Longden, Fiona J. Beck, Frank Jotzo, Richard Andrews, **Mousami Prasad**, (2022) 'Clean' hydrogen? Comparing the emissions and costs of fossil fuel versus renewable electricity based hydrogen, *Applied Energy*, Volume 306, Part B, 118145, ISSN 0306-2619, <https://doi.org/10.1016/j.apenergy.2021.118145>. [ABDC: A]
- Mousami Prasad**, Trupti Mishra and Varadraj Bapat, (2019) Corporate Social Responsibility and Environmental Sustainability: Evidence from India using Energy Intensity as an indicator for Environmental Sustainability, *IIMB Management Review*, DOI: <https://doi.org/10.1016/j.iimb.2019.07.014> [ABDC: B]
- Mousami Prasad** and Trupti Mishra (2017). Low-carbon growth for Indian iron and steel sector: exploring the role of voluntary environmental compliance. *Energy Policy* 100: 41-50. DOI : 10.1016/j.enpol.2016.09.060 [ABDC:A]
- Mousami Prasad**, Trupti Mishra and Arti D. Kalro (2016). Environmental disclosure by Indian companies: an empirical study. *Environment, Development and Sustainability* 19(5), 1999-2022. DOI:10.1007/s10668-016-9840-5 [ERA:B]
- Mousami Prasad** and Trupti Mishra (2015). Investigating the causal relationship between energy consumption and firm growth in India. *International Journal of Environmental Technology and Management*, 18(4), 346-357. DOI: 10.1504/IJETM.2015.072128 [ABDC:C]
- Mousami Prasad**, Sourav Sengupta and TT Niranjana, (2019) A peek into academic (de)motivation of undergraduates at India's top engineering schools, *European Journal of Engineering Education*, 1-19 [ERA A]
- Mousami Prasad**, Trupti Mishra, Arti D. Kalro, Varadraj Bapat, (2017). Environmental claims in Indian print advertising: an empirical study and policy recommendation. *Social Responsibility Journal*, 13(3), 473-490, DOI: 10.1108/SRJ-05-2016-0091 [ABDC:B]

Book Chapters

Mousami Prasad (2021) Do Energy Policies with Disclosure Requirement Improve Firms' Energy Management? Evidence from Indian Metal Sector. In: Bose M., Modi A. (eds) *Proceedings of the 7th International Conference on Advances in Energy Research*. Springer Proceedings in Energy. Springer, Singapore. https://doi.org/10.1007/978-981-15-5955-6_16

Prasad, M., & Mishra, T. (2021). Environmental Efficiency and Trade Theory: Evidence from Indian Metal Sector. *Trade, Investment and Economic Growth: Issues for India and Emerging Economies*, 363.

News Articles/ Opinions/Media outreach

Mousami Prasad, Green steel explainer video , <https://www.youtube.com/watch?v=vNnWFfdkag>, ANU Institute for Climate, Energy & Disaster Solutions, ANU TV, November 8, 2021, 477 views on YouTube, 1955 views on LinkedIn

Thomas Longden, Frank Jotzo, **Mousami Prasad** & Richard Andrews ZCEAP research paper, Green hydrogen production costs in Australia: implications of renewable energy and electrolyser costs by, was featured in the [ARENA Insights #22 newsletter](#) published 28 October 2020.

Thomas Longden, Frank Jotzo, **Mousami Prasad** & Richard Andrews ZCEAP research paper, Green hydrogen production costs in Australia: implications of renewable energy and electrolyser costs by, was featured in the [ARENA Insights #22 newsletter](#) published 28 October 2020.

Thomas Longden, Frank Jotzo, **Mousami Prasad** & Richard Andrews working paper covered in [Rapid fall to parity predicted for Australian renewable hydrogen costs](#), Renew Economy, 28 August 2020.

Mousami Prasad, [Work and Energy Transitions](#) profile by Crawford School of Public Policy, 19 September 2020.

Mousami Prasad (2021). Encouraging a clean energy future, Before the budget: What the experts think <https://taxpolicy.crawford.anu.edu.au/news-events/news/18800/budget-what-experts-think>

Frank Jotzo and **Mousami Prasad** (2020). Yes, carbon emissions fell during COVID-19. But it's the shift away from coal that really matters, The Conversation, Australia published on 15 May 2020 available at <https://theconversation.com/yes-carbon-emissions-fell-during-covid-19-but-its-the-shift-away-from-coal-that-really-matters-138611>

Grants

Chief Investigator, Asia Pacific Innovation Program (APIP) Basic and Applied Research Grant – AUD 15,000, How is solar energy transforming India's farming sector? August 2021-December 2022

Contributor, US Department of State, Oct 2021 – March 2022, USD 25,000, US and Australian decarbonization policies and trajectories (integrated assessment modelling)

Contributor, funding application for quick-start project under HILT CRC (co-CI Frank Jotzo) in ANU-U Adelaide project on economics of green steel. Interest from several corporate partners including Liberty GFG, Worley, Hatch

Awards and Fellowships

2017-19 - Awarded “Excellence in Ph.D. Research” for the year 2017-19 by Shailesh J Mehta School of Management , IIT Bombay, India; for my thesis titled “Environmental Performance of Firms in India: Evidence from Metal Sector”.

May 2019 - Selected amongst top 25 environmental and resource economist by SANDEE (South Asian Network for Development and Environmental Economics) to attend two week course in Asian Institute of Technology, Thailand from 5 May 2019-19 May 2019

2014 - 2017 - SOM Endowment Scholarship, IIT Bombay, India for Ph.D 2014 -2017 for excellent academic performance in the course work of Phd (CPI 9.53/ 10)

2004 - 07- ML Batra Memorial Award, Indraprastha College, University of Delhi, 2007 for excellent academic performance during the years 2004-07

2004 - Scroll of Honour by Engineering Institution of India, 2004 for being the highest scorer in Higher Secondary exams in the district.

2004 - Medhavi Chatra Puraskar by Lions Club Ranchi, 2004 for being the highest scorer in Higher Secondary exams in the district.

Conferences

Mousami Prasad and Lavanya Suresh, Industrial Accidents And Environmental Degradation: Exploring The Linkages And Responses, online , Eleventh INSEE Biennial Conference, 15-17 December 2021, Indraprastha Institute of Information Technology, New Delhi

Mousami Prasad, Frank Jotzo, John Pye, Green steel in cars is affordable, State of Energy Research Conference 2021 Accelerating research for a speedy energy transition, Energy Research Institutes Council for Australia, Australia, online, 7-9 December 2021

Ross Gawler, Ariel Liebman, Frank Jotzo, **Mousami Prasad**, Market Power of Snowy Hydro with Snowy 2.0 in Service, State of Energy Research Conference 2021 Accelerating research for a speedy energy transition, Energy Research Institutes Council for Australia, Australia, online, 7-9 December 2021

Frank Jotzo, Thomas Longden & **Mousami Prasad**, Green hydrogen for industrial decarbonisation, London Climate Action Week, Pathways to net zero emissions and carbon/climate neutrality, [online], The Global Alliance of Universities on Climate (GAUC), 29 - 30 June 2021.

Mousami Prasad, “Do energy policies with disclosure requirement improve firms’ energy management? Evidence from Indian metal sector”, 7th International Conference on Advances in Energy Research, held at IIT Bombay, Mumbai from 10 - 12 December 2019.

Mousami Prasad, “Environmental disclosure regulation and decarbonization of Indian Industries: Evidence from firm level data”, INSEE-CESS International Conference on Climate Change and Disasters: Challenges, Opportunities and Responses, Tenth Biennial Conference of Indian Society for Ecological Economics (INSEE) held at Centre for Economic and Social Studies (CESS), Hyderabad, Telangana from 6-8 November 2019.

Mousami Prasad, “Low Carbon Growth for Indian Industries: Investigating the Role of Firm’s Investment in Renewable Energy”, National Seminar on Population Dynamics In India and Its Implications on Health and Environment held at NIRD & PR, Hyderabad from 07-09 March 2019

Mousami Prasad and Trupti Mishra “Natural Resource Management and Corporate Governance in Indian Firms”, presented at National Environmental Conference 2019, organized by Centre for

Environmental Science and Engineering, IIT Bombay, held from January 31-2 February 2019, Mumbai, India

Mousami Prasad and Trupti Mishra. “Environmental Efficiency and Trade theory: Evidence from Indian Metal Sector”, presented at the Sixth IIFT Conference titled “Empirical Issues in International Trade and Finance (EIITF)” organized by the Indian Institute of Foreign Trade (IIFT), held from December 13-14, 2018, New Delhi, India

Mousami Prasad, Trupti Mishra and Varadraj Bapat. “Role of voluntary compliance in managing climate change at firm level in India”, presented at the Ninth Biennial Conference of the Indian Society for Ecological Economics (INSEE) titled: “Sustainability, Institutions, Incentives: Voices, Policies and Commitments” held from November 8-10, 2017, at KILA, Thrissur.

Mousami Prasad, Trupti Mishra and Varadraj Bapat. “Eco-efficiency of Metal sector: An application of Output Distance Approach in Indian context”, presented at ISEE 2016 - Transforming the Economy: Sustaining Food, Water, Energy, and Justice during 26 June – 29 June at the University of District of Columbia, Washington DC, US. <http://www.isecoeco.org/wp-content/uploads/2016/09/Abstracts-of-ISEE-2016-Presenters-06-25-2016.pdf>; <http://www.isecoeco.org/wp-content/uploads/2016/09/Prasad-Mousami.pdf>

Mousami Prasad, Trupti Mishra and Varadraj Bapat. “Investigating Firm Response towards Environmental Sustainability in Indian context”, presented at 8th Biennial INSEE Conference during 4-6 January 2016 at the Indian Institute of Science, Bangalore

Trupti Mishra and **Mousami Prasad**. “Does Environmental Kuznets curve exists at sectoral level?”, included in the 52nd Annual Conference of the Indian Econometric Society (TIES) held from January 4-6, 2016, at Indian Institute of the Management, Kozhikode.

Pankaj Kumar, **Mousami Prasad** and Trupti Mishra. “Decomposition Analysis of Energy Consumption in India: Evidence from Extended Kaya Identity”, included in the 52nd Annual Conference of the Indian Econometric Society (TIES) held from January 4-6, 2016, at Indian Institute of the Management, Kozhikode.

Mousami Prasad, Arti D. Kalro, Trupti Mishra and Varadraj Bapat. “Factors Determining Skepticism toward Green Advertising in an Emerging Nation”, presented in 2015 ANZMAC Conference proceedings titled Innovations and Growth Strategies in Marketing during November 30 to December 02 2015, Sydney, Australia, pp. 174-182.

Mousami Prasad, Trupti Mishra and Varadraj Bapat. “Energy Consumption and Firm Output in India: Evidence from Panel Error Correction Model”, presented at the 35th Annual Conference of the Rajasthan Economic Association (REA) held from January 23-25, 2015, at Department of Economics, Central University of Rajasthan, Rajasthan.

Mousami Prasad, Trupti Mishra and Varadraj Bapat. “An empirical assessment of sustainability (proxied by eco-efficiency) and economic success using ‘firm fixed effect model’ in Indian context”, presented at the 50th Annual Golden Jubilee Conference of the Indian Econometric Society (TIES) held from December 22-24, 2013, at Indira Gandhi Institute of Development Research (IGIDR), Mumbai, Maharashtra.

Mousami Prasad, Trupti Mishra, Arti D. Kalro and Varadraj Bapat. “An empirical assessment of the role of corporate towards managing ecosystem: An Indian context”, presented at the Seventh Biennial Conference of the Indian Society for Ecological Economics (INSEE) titled: “Global Change, Ecosystems, Sustainability” held from December 5-8, 2013, at Tezpur University, Tezpur, Assam.

Invited Seminars/Webinars

Frank Jotzo, **Mousami Prasad**, John Pye, Kings College, London, Faculty Of Social Science & Public Policy School Of Global Affairs Lau China Institute, China Week, 25-29 October 2021, The Green Steel Opportunity for Australia-China Trade Launch of King's COP26 Digital Project

Mousami Prasad, (2020) Green steel in cars: would consumers be willing to pay? Arndt-Corden Department of Economics (ACDE) Seminar on 17 November 2020, Crawford School of Public Policy, Australia

Working Papers

Longden, T., Jotzo, F., **Prasad, M.**, Andrews, R., August 2020, Green hydrogen production costs in Australia: implications of renewable energy and electrolyser costs *CCEP Working Paper 2007*

Thomas Longden & Fiona J. Beck & Frank Jotzo & Richard Andrews & **Mousami Prasad**, 2021.

"'Clean' hydrogen? An analysis of the emissions and costs of fossil fuel based versus renewable electricity based hydrogen," CCEP Working Papers 2103, Centre for Climate & Energy Policy, Crawford School of Public Policy, The Australian National University.

IITB Diamond Jubilee Project "Economic and Social Impact of IITB" (in progress) as part of stock-taking exercise of the impact that IIT Bombay has over past 60 years

Teaching Experience

Crawford School of Public Policy (2021-22) – 'Domestic Climate Change Policy and Economics' (EMDV8081) (Co-lecturer and tutor)

FLAME University (2021) – Visiting Faculty, Principles of Economics ECON101

HSS, IIT Bombay (2019) – Visiting Faculty, Research Methods

IIT Bombay (2014-2017) - Teaching Assistant various courses like Business and Sustainable Development, Corporate Strategy, Corporate Finance, Indian Financial and Business Models

Appointments and Work Experience

March 2022 onwards – Assistant Professor, Industrial Management and Engineering Department, IIT Kanpur, India

April 2022 onwards – Honorary Appointment as Visiting Fellow, ANU Institute for Climate, Energy & Disaster Solutions, Australia

Feb 2020- March 2022 - Research Fellow, Crawford School of Public Policy, Australian National University, Canberra, Australia

Jan 2019 -Dec 2020 - Research Scientist, Humanities and Social Science, IIT Bombay, India

August-2010 to Dec - 2012, Research Analyst, MATA securities Pvt. Ltd. India