

Trupti Mishra

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IDP in Climate Studies

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Education

Doctorate of Philosophy (Economics), Indian Institute of Technology, Kharagpur

M Phil (Economics), Sambalpur University

MA (Economics), Sambalpur University

Teaching Interest and Courses Taught

- Micro Economics
- Macro Economics
- Business and Sustainable Development
- Policy Responses to Climate Change
- Environmental Management
- Infrastructural Development and Financing
- Circular Economy
- Sustainable Finance

Research Interest

- Economic Assessment of Climate Responses: Mitigation and Adaptation
- Climate Change Risk and Vulnerability
- Business Sustainability
- Circular Economy – Business Model and Policy
- Sustainable Finance and Market
- Energy Transition
- Policy Analysis

Research Publications

Journal Papers

- Suresh., N, Mishra, T., and Jain, G., (2025). A Green Taxonomy Can Boost Financing for Meeting India's Sustainability Goals, *Economic and Political Weekly*, <https://www.epw.in/journal/2025/20>
- Nandini Suresh, Trupti Mishra, D. Parthasarathy (2024), "The impact of floods and cyclones on fiscal arrangements in India: An empirical investigation at the sub-national level", *International Journal of Disaster Risk Reduction*, Volume 110, <https://doi.org/10.1016/j.ijdr.2024.104620>.
- Sheikh, R.A., Gaurav, S. and Mishra, T. (2023), "Caught in a time warp: evidence from time use of Indian women", *International Journal of Social Economics*, Vol. 50 No. 7, pp. 969-991. <https://doi.org/10.1108/IJSE-03-2022-0164>
- Pankaj Kumar, Trupti Mishra, Rangan Banerjee (2022), "Impact of India's power purchase agreements on electricity sector decarbonization", *Journal of Cleaner Production*, Volume 373, 133637, ISSN 0959-6526
- Jajal, Priyanka, and Trupti Mishra (2022). "Temperature change and mitigation potential of Indian cement industry." *Carbon Management* 13.1, 341-351
- Namita Singh, Trupti Mishra and Rangan Banerjee, (2021) Emission inventory for road transport in India in 2020: framework and post facto policy impact assessment. *Environ Sci Pollut Res Int*. 2021 doi: 10.1007/s11356-021-17238-3
- Krishna Malakar, Trupti Mishra, Vittal Hari, Subhankar Karmakar (2021), Risk mapping of Indian coastal districts using IPCC-AR5 framework and multi-attribute decision-making approach, *Journal of Environmental Management*, Volume 294, 112948, ISSN 0301-4797, <https://doi.org/10.1016/j.jenvman.2021.112948>
- Namita Singh, Trupti Mishra and Rangan Banerjee, (2021), An Analysis of Retrofit and Scrappage Program for the Indian Road Transport Sector in 2030", *Transportation Research Record*, Volume: 2675 issue: 12, page(s): 233-246
- Anand Achari, Trupti Mishra, Bakul Rao, Ajit Nirmal (2021), Indoor thermal comfort range for naturally ventilated residence in warm and humid climate of Mumbai, *Journal of*

energy environment and carbon credit, Vol 11, no 1,
DOI: <https://doi.org/10.37591/joeecc.v11i1.5222>

- Rayees Ahmad Sheikh, Sarthak Gaurav, Trupti Mishra (2021), Race among equals? An inquiry into the segmentation of Indian labor market, Review of Development Economics, volume 25, Issue 4, Page(s) - 2180-2206, <https://doi.org/10.1111/rode.12804>
- Kumar P., Banerjee. R and Mishra, T (2020), A framework for analyzing trade-offs in cost and emissions in power sector, Energy, 195, 116949; <https://doi.org/10.1016/j.energy.2020>
- Malakar, K. and Mishra, T. (2020), Revisiting cyclone Phailin: Drivers of recovery in marine fishing communities, International Journal of Disaster Risk Reduction, Volume 48; <https://doi.org/10.1016/j.ijdrr.2020.101609>
- 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, Vol 31, Iss 4, pp. 374-384. <https://doi.org/10.1016/j.iimb.2019.07.014>
- K Malakar, T Mishra, A Patwardhan (2019), Factors linked with adaptation in the Indian marine fishing community, Ocean & coastal management, Vol 171, 37-46
- Malakar, K., Mishra, T. & Patwardhan, A. (2018). A framework to investigate drivers of adaptation decisions in marine fishing: Evidence from urban, semi-urban and rural communities. Science of The Total Environment, 637-638, 1 October 2018, 758-770. doi: 10.1016/j.scitotenv.2018.04.429
- Jajal, P., Mishra, T. (2018). Potential climate change mitigation of Indian Construction Industry through a shift in energy efficient technology by 2050. Advances in Geosciences (Special issue on Energy), 45, 155-162, <https://doi.org/10.5194/adgeo-45-155-2018>.
- Malakar, K., Mishra, T. & Patwardhan, A. (2018). Perceptions of multi-stresses impacting livelihoods of marine fishermen. Marine Policy, 97, 18-26. doi: 10.1016/j.marpol.2018.08.029
- Malakar, K., Mishra, T., & Patwardhan, A. (2018). Inequality in water supply in India: an assessment using the Gini and Theil indices. Environment, Development and Sustainability, 20(2), 841-864. DOI: 10.1007/s10668-017-9913-0
- Malakar, K., Mishra, T. & Patwardhan, A. (2018). Drivers of response to extreme weather warnings among marine fishermen. Climatic Change, 1-15. doi: 10.1007/s10584-018-2284-1

- Prasad, M., & Mishra, T. (2017). Low-carbon growth for Indian iron and steel sector: exploring the role of voluntary environmental compliance. *Energy Policy*, 100, 41-50.
- Prasad, M., Mishra, T., Kalro, A. D., & Bapat, V. (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
- Malakar, K., & Mishra, T. (2017). Application of Gini, Theil and concentration indices for assessing water use inequality. *International Journal of Social Economics*, 44(10), 1335-1347. DOI:10.1108/IJSE-01-2016-0017
- Malakar, K., & Mishra, T. (2017). Assessing socio-economic vulnerability to climate change: a city-level index-based approach. *Climate and Development*, 9(4), 348-363. DOI:10.1080/17565529.2016.1154449
- Prasad, M., Mishra, T., and Kalro, A. D. (2017). Environmental disclosure by Indian companies: an empirical study. *Environment, Development and Sustainability*, 19(5), 1999-2022. doi:10.1007/s10668-016-9840-5
- Nakarmi, A. M., Mishra, T., & Banerjee, R. (2016). Integrated MAED–MARKAL-based analysis of future energy scenarios of Nepal. *International Journal of Sustainable Energy*, 35(10), 968-981.
- Prasad, M., & Mishra, T. (2015). Investigating the causal relationship between energy consumption and firm growth in India. *International Journal of Environmental Technology and Management*, 18(4), 346-357.
- Mishra, T. & Pandey, N., (2011). Sustainable Management of Water Resources: A Case Study of Mumbai. *International Journal of Water Resources and Environmental Management*, 2(2), 177-193.
- Mohanty, R.P., Mishra, D., & Mishra, T. (2009). Comparative Study of Production Outsourcing Models. *Journal of Advances in Management Research*, 6(1), 41 – 69.
- Mishra, T. (2006). Role of Community Pressure in Environmental Regulation: An Empirical Analysis. *Anvesak*, 36(1), July 2006.
- Kumar, M. & Mishra, T. (2005). Performance of Power Generation in Andhra Pradesh. *Productivity*, 46(1), April - June 2005.

- Mishra, T. (2004). Environmental Movement and People's Participation: A Case Study of Orissa. ICFAI Journal of Environmental Economics, November 2004.
- Mishra, T. (2005). Inequality in Land Distribution Pattern: An Empirical Analysis. ICFAI Journal of Agricultural Economics, February 2005, 51-59.
- Mishra, T. (2004). The Effect of Environmental Regulation on Productive Efficiency of Firm: Direct and indirect Effects. International Journal of Environmental and Development, December 2004.
- Mishra, T. & Chatterjee, B. (2003). Estimating Joint Abatement Cost Function and Cost-Effective Emission Charges for Paper and Pulp Industry in India. IUP Journal of Applied Economics, February 2003, 55-64.
- Kumar, M. & Mishra, T. (2002). Sources of Technical Efficiency in Indian Small-Scale Industry: Frontier Production Function Techniques. IUP Journal of Applied Economics, October 2002, 88-98.

Edited Book

- Climate Change Signals and Response: A Strategic Knowledge Compendium for India, Venkataraman, C., Mishra, T., Ghosh, S., Karmakar, S. (Eds.), Springer Singapore, DOI: 10.1007/978-981-13-0280-0

Book Chapters

- M. Prasad & T. Mishra (2021), Environmental Efficiency and Trade Theory: Evidence from Indian Metal Sector, in Pooja Lakhanpal & Jaydeep Mukherjee & Biswajit Nag & Divya Tuteja (ed.), Trade, Investment and Economic Growth, pages 363-374, Springer.
- Mishra, T and Malakar, K (2020), Loss and damages from cyclone: A case study from Odisha a Coastal State in Singh et al.(eds), Development in Coastal Zones and Disaster Management, Springer Singapore, ISBN: 978-981-15-4293-0
- Kumar, P., Mishra, T. & Banerjee, R. (2019) 'Review of Indian Low Carbon Scenarios', In C. Venkataraman et al. (Eds.), Climate Change Signals and Response: A Strategic Knowledge

Compendium for India, Chapter 11: Pages 177-196. Singapore: Springer Nature. doi: 10.1007/978-981-13-0280-0_11

- Singh, N., Mishra, T. & Banerjee, R. (2019). 'Greenhouse Gas Emissions in India's Road Transport Sector', In C. Venkataraman et al. (Eds.), Climate Change Signals and Response: A Strategic Knowledge Compendium for India, Chapter 12: Pages 197-209. Singapore: Springer Nature. doi: 10.1007/978-981-13-0280-0_12
- Malakar, K. & Mishra, T. (2019). 'Adaptation and its socio-economic facilitators in the marine fishing community of Maharashtra, India', In C. Venkataraman et al. (Eds.), Climate Change Signals and Response: A Strategic Knowledge Compendium for India, Chapter 14: Pages 231-245. Singapore: Springer Nature. doi: 10.1007/978-981-13-0280-0_14
- Jajal, P., Tibrewal, K., Mishra, T. & Venkataraman, C. (2019). 'Economic Assessment of Climate Mitigation Pathways (2015–2050) for the Brick Sector in India', In C. Venkataraman et al. (Eds.), Climate Change Signals and Response: A Strategic Knowledge Compendium for India, Chapter 17: Pages 273-287. Singapore: Springer Nature. doi: 10.1007/978-981-13-0280-0_17
- Malakar, K., Mishra, T., Patwardhan, A. (2017). 'Developing Indices for Adaptation and Adaptive Capacity in Indian Marine Fishing', In W.L. Filho (Eds.), Climate Change Research at Universities: Addressing the Mitigation and Adaptation Challenges, Chapter 26: Pages 401-421, Switzerland: Springer Nature. DOI: 10.1007/978-3-319-58214-6_26
- Mishra, T. (2015). 'Linkages Between Environment and Globalization: A Case Study of Developing Countries', in (Eds), Nature, Economy and Society Understanding the Linkages, by Nilanjan Ghosh, Pranab Mukhopadhyay, Amita Shah, Manoj Panda, Chapter 13: Pages 267-272; Springer India
- Mishra, T. (2015). 'Characterizing energy poverty: Implications for policies for energy access', In (Eds) Energy Security and Development– The Changing Global Context by B. Sudhakara Reddy and Sergio Ulgiati, Chapter 21: Pages 321-329, Springer India 2015
- Mohanty, R.P., Mishra, D. & Mishra, T. (2008), 'Quality Management Practices and Product Quality Outcome in Indian Manufacturing Industry: A Case Study', in Quality Management Practices, Excel books, 2008, Chapter 57: Pages 655
- Pattnaik, F., Nayak, N.C. & Mishra, T. (2008), 'Trends in Employment Intensity of Economic Growth in the Post-Reform Era across Major Indian States', In (eds) Rethinking India's Growth Strategy Service versus Manufacturing, Concept Publication, Pages:120-134
- Mishra, T. & Chatterjee, B. (2007). 'Economic Development and Environmental Degradation in India', in (eds) Economic Reforms, Human Welfare and Sustainable Development in India, New Century Publication, 2007

Research Monograph(1)

Issue Brief - Demystifying Carbon Emission Trading System through Simulation Workshops in India, Nishtha Singh, Vaibhav Chaturvedi, Chetna Arora, Alistair Ritchie, Josh Margolis, Trupti Mishra, Amit Garg, and Minal Pathak , Sept 2023

Papers in Conferences

- Goel, M., Mishra, T., Banerjee, R. (2025). *Impact of Climate Change on Manufacturing Micro, Small and Medium-scale Enterprises in India: Case Study of Faridabad Industrial Cluster..* 46th IAEE International Conference - Energy solutions for a sustainable and inclusive future, Paris, France.
- Goel, M., Mishra, T., Banerjee, R. (2025). *Understanding the impacts of climate change in manufacturing MSMEs in India: A qualitative approach based on the three tenets of justice.* [Presentation]. 16th International Sustainability Transitions Conference, Lisbon, Portugal.
- Salian, K., Rao, S. N., & Mishra, T. (2025, June). *Greener firms, greater returns? A non-linear analysis of greenhouse gas emissions and firm performance.* Paper presented at the 31st Annual Conference of the Multinational Finance Society, Crete, Greece.
- Salian, K., Rao, S. N., & Mishra, T. (2025, July). *Market waves or ripples? Exploring the market response to ESG news.* Paper presented at the 32nd Global Finance Conference, Boston, USA.
- Maqbool, U., Mishra, T., Dargaville, R., Hughes, T. (2025). *Life Cycle Assessment of hydrogen production via Electrolysis technologies: Insights from India for a sustainable energy transition.* 46th IAEE International Conference - Energy solutions for a sustainable and inclusive future, Paris, France.

- Rathna Kumar Tenneti, Trupti Mishra (2025), Socio-Economic Impacts of Energy Transition in the Agriculture Sector of India, 10th International Conference on Sustainable and Renewable Energy Engineering, Nice, France.
- Sarath, K. T., Mishra, T., & Banerjee, R. (2024, October). Public transport access for slums: A case of transport equity assessment in Mumbai. Paper presented at the Urban Mobility India (UMI) Conference, Gandhinagar, India.
- Sarath, K. T., Mishra, T., & Banerjee, R. (2024, July). Balancing the scales: A methodological framework for transport equity in Mumbai City. Paper presented at the Transit Data 2024 Conference, University College London (UCL), London, United Kingdom.
- Suresh, N, Mishra, T., and Parthasarathy, D., (2024). Catastrophic (CAT) Bond as Sustainable Finance Instruments: Understanding from Cross-Country Perspectives. In Proceedings of the EGU General Assembly. Vienna, Austria.
- Suresh, N and Mishra, T., (2024). Examining the Fiscal and Growth Impacts of Floods and Cyclones on the Sub-National Government: Evidence from India. In Proceedings of the 12th INSEE Biennial Conference. Gurgaon, India.
- Sahana., V, Suresh., N, Mondal., A & Mishra, T., (2023), “Heatwave Hazard, Vulnerability and Risk Assessment for India”, In Proceedings of the AGU Fall Meeting. San Francisco, USA.
- Bose, D.& Mishra, T. (2023), “Estimating loss and damage by cyclone Amphan, in highest risk prone coastal district of West Bengal, India, using Sustainable Livelihood Approach”. The 3rd International Symposium on Disaster Resilience and Sustainable Development, Asian Institute of Technology, Thailand.
- Suresh., N and Mishra, T., (2023), “Demystifying CAT Bond Challenges in India”. In Proceedings of the 6th World Congress on Disaster Management. Dehradun, India
- Bose, D., & Mishra, T. (2023), “Estimating Climate-induced Residual Loss and Damage: A Comprehensive Risk Assessment of Amphan 2020”, 6th World Congress on Disaster Management (WCDM), Dehradun, Uttarakhand, India.

- Bose, D.& Mishra, T. (2023). "Estimating loss and damage by cyclone Amphan, in highest risk prone coastal district of West Bengal, India, using Sustainable Livelihood Approach", 17th Biennial Conference of the International Society for Ecological Economics, Santa Marta, Columbia.
- Salian, K., Rao, S., & Mishra, T. (2023). "The Impact of ESG Disclosure Quality on the Cost of Equity and Debt", International Conference on Sustainable Business Management, Department of Management Studies, IIT Roorkee and Arizona State University, USA.
- Salian, K., Rao, S., & Mishra, T. (2023). "The Impact of ESG Disclosure on the Cost of Equity: Evidence from Sensitive and Non-Sensitive Industries of India", International Finance and Accounting Conference, Indian Institute of Management, Jammu. **(Best Paper Award)**.
- Salian, K., Rao, S., & Mishra, T. (2023). "Does it Pay to Go Green? Exploring the Relationship Between ESG, Carbon Emission, and Cost of Capital Evidence from India", India Responsible Capital Conference, Indian Institute of Management, Ahmedabad.
- Bose, D., & Mishra, T. (2023). *Measuring Vulnerability to Climate Change, to Achieve Sustainable Development Goals in Coastal Risk prone Districts of West Bengal* [Conference Presentation]. International Conference on Sustainable Business Management, Department of Management Studies, IIT Roorkee and Arizona State University, USA.
- Suresh., N and Mishra, T., (2023). Analysis of Carbon Neutrality Targets by Indian Corporates. In Proceedings of the International Conference on Applied Economics and Finance. BITS, Pilani, India
- Mishra, T. (2023), "Risk and Vulnerability mapping of Coastal districts of India", Workshop on Reimagining Risk and Vulnerability in Indian Agriculture, SJMSOM, IIT Bombay, India.
- Suresh, N. & Mishra, T. (2023). "Sovereign Green Bond in India- A Critique". Paper presented at International Conference on Sustainable Business Management, Department of Management Studies, IIT Roorkee and Arizona State University, USA.
- Majumder, D., Parthasarathy, D., Mishra, T., (2023), "Glacial Lakes Inventory For 40 Decades (1975-2021) In The Northern Part Of Sikkim State, In Indian Himalayan Region", Alpine Glaciology Meeting, WSL, Birmnsdorf, Switzerland.
- Trupti Mishra, Krishna Malakar (2021), "What drives recovery in coastal fishing communities from cyclones?", Adaptation future conference, New Delhi

- Kumar, P., Mishra, T. & Banerjee, R. (2019). "Analysing Trade-offs in short term power operations under minimum off-take guarantees constraints in India", 2nd International conferences in large grid integration of renewable energy, New Delhi.
- Kumar, P., Mishra, T. & Banerjee, R. (2019). "Cost and Emissions trade-offs in electricity supply for the state of Maharashtra", 7th International conferences on Advances in Energy Research, Mumbai. **(Best Paper Award)**
- Singh, N., Mishra, T. & Banerjee, R. (2019). "Emission estimation and impact of mitigation strategies in reducing emission from road transport sector of India", EGU General Assembly, Vienna, Austria
- Singh, N., Mishra, T. & Banerjee, R. (2019). "Projection of private vehicle stock in India up to 2050", 15th World conference on Transport research, Mumbai
- Singh, N., Mishra, T. & Banerjee, R. (2019). "potential mitigation strategies for road sector in India," Tenth Biennial Conference of the Indian Society for Ecological Economics (INSEE), CESS, Hyderabad
- Prasad, M., Mishra, T. (2019). "Natural resource management and corporate governance in Indian firm", National Environment Conference, Mumbai
- Jajal, P., Mishra, T. (2019). "Global temperature change potential in Indian Construction Industry". AGU Fall Meeting, San Francisco
- Malakar, K., Mishra, T. & Patwardhan, A. (2018). "Understanding factors associated with weather warning responses in marine fishermen". Adaptation Futures 2018: Dialogues for Solutions (5th International Climate Change Adaptation Conference), Cape Town, South Africa, June 18-21, 2018.
- Jajal, P. & Mishra, T. (2018). "Mitigation challenges and opportunities in construction industry for India", International Conference on Energy and Infrastructure Management (ICEIM), PDPU Gandhinagar, February 2018.
- Kumar, P., Mishra, T. & Banerjee, R. (2017). "Quantifying the impacts of large scale integration of renewables in Indian power sector", American Geophysical Union Fall Meeting 2017, New Orleans, USA.
- Singh, N., Mishra, T. & Banerjee, R. (2017). "Assessment of climate change mitigation strategies for road transport sector of India", American Geophysical Union Fall Meeting 2017, New Orleans, USA.
- Prasad, M., Mishra, T., & Bapat, V. (2017). "Role of voluntary compliance in managing climate change at firm level, Ninth Biennial Conference of the Indian Society for Ecological

Economics (INSEE) on Sustainability, Institutions, Incentives: Voices, Policies and Commitments, November 2017, Thrissur, India.

- Singh, N., Mishra, T. & Banerjee, R. (2017). "Effect of road transport infrastructure, energy use and economic growth on CO2 emission in India," Ninth Biennial Conference of the Indian Society for Ecological Economics (INSEE) on Sustainability, Institutions, Incentives: Voices, Policies and Commitments, November 2017, Kerala Institute for Local Administration (KILA), Thrissur, Kerala, India.
- Singh, N., Mishra, T. & Banerjee, R. (2017). "The study of causal relationship between road transport infrastructure, energy use, economic growth and CO2 emission in India", 8th International Conference on Climate Change at Tata Institute of Social Sciences, August 2017, Tata Institute of Social Sciences, Mumbai, India.
- Malakar, K., Mishra, T. & Patwardhan, A. (2017). "Limits and facilitators of adaptation in the marine fishing community of Maharashtra, India". Poster presented at the 12th Conference of the European Society for Ecological Economics (ESEE) 2017, Budapest, Hungary, June 20-23, 2017.
- Malakar, K., Mishra, T. & Patwardhan (2016). "Making the Indian marine fishing community climate ready: Assessing adaptation and its determinants", International conference on 1.5 degrees: Meeting the Challenges of the Paris Climate Agreement, 21-22 Sep 2016, Oxford, UK
- Jajal, P., Mishra, T., Venkataraman, C. (2016). "Black Carbon Economic Analysis: Indian cooking and brick production Sector", 7th Annual International Conference on Climate Change: The Climate Agenda Post 2015, Tata Institute of Social Sciences, Mumbai, India, July 29-30, 2016.
- Malakar, K., Mishra, T. & Patwardhan, A. (2016). "Adaptation and its drivers in Indian marine fishing". Paper presented at the 7th Annual International Conference on Climate Change: The Climate Agenda Post 2015, Tata Institute of Social Sciences, Mumbai, India, July 29-30, 2016.
- Kumar, P., Mishra, T. & Banerjee, R. (2016). "Coal Demand Forecast and Policy Options for India, Adaptation and its drivers in Indian marine fishing". Paper presented at the 7th Annual International Conference on Climate Change: The Climate Agenda Post 2015, Tata Institute of Social Sciences, Mumbai, India, July 29-30, 2016
- Prasad, M., Mishra, T., & Bapat, V. (2016). "Eco-efficiency of Metal sector: An application of Output Distance Approach in the Indian Context", ISEE 2016 on Transforming the Economy: Sustaining Food, Water, Energy and Justice, June 26 - 29, 2016, Washington, DC

- Mishra, T., & Prasad, M. (2016). "Does Environmental Kuznets curve exists at sectoral level: An investigation into Indian metal sector", 52nd Annual Conference of the Indian Econometric Society (TIES), Indian Institute of Management, Kozhikode (IIMK), 4-6, January, 2016
- Kumar, P., Prasad, M., Mishra, T. (2016). "Decomposition Analysis of Energy Consumption in India: Evidence from Extended Kaya Identity", 52nd Annual Conference of the Indian Econometric Society (TIES), Indian Institute of Management, Kozhikode (IIMK), 4-6, January, 2016
- Singh, N., Mishra, T. & Banerjee, R. (2016). Analysis of Private Vehicle Transportation System: A case study of Greater Mumbai, 52nd Annual Conference of the Indian Econometric Society (TIES), Indian Institute of Management, Kozhikode (IIMK), 4-6, January, 2016
- Prasad, M., Mishra, T., & Bapat, V. (2016). "Investing Firm's response towards environmental sustainability in Indian Context", Eighth INSEE Biennial Conference on Urbanization and the Environment, Indian Institute of Science, Bangalore, 4-6 January 2016.
- Malakar, K., Mishra, T. & Patwardhan, A. (2016). "Understanding adaptation decisions in urban fishing communities", Eighth INSEE Biennial Conference on Urbanization and the Environment, Indian Institute of Science, Bangalore, 4-6 January 2016.
- Prasad, M., Mishra, T., Kalro, A. D., & Bapat, V. (2015). "Factors Determining Skepticism toward Green Advertising in an Emerging Nation", included in 2015 ANZMAC Conference proceedings titled Innovations and Growth Strategies in Marketing during November 30 to December 02 2015, Sydney, Australia, pp. 174-182.
- Malakar, K., Mishra, T. & Patwardhan, A. (2015). "Determinants of household adaptation decisions: A case study of the Koli community in Mumbai". Paper presented at the ICARUS Fourth Global Meeting, University of Illinois at Urbana-Champaign, USA during May 7-9, 2015.
- Malakar, K. & Mishra, T. (2014). "Assessing socio-economic vulnerability to climate hazards: A city-level index based approach", 2nd International Conference on Evaluating Climate Change and Development organized by Global Environment Facility (GEF), Washington D.C., USA, November 4-6, 2014.
- Malakar, K. & Mishra, T. (2014). "Inequity in water and electricity use: A roadblock to sustainable development (An assessment through Lorenz curves and Gini coefficient)", Climate Change and Sustainable Development: Equity and the Post 2015 Challenge, Tata Institute of Social Sciences, Mumbai, August 21-23, 2014.

- Mishra, T. (2014). "Evaluating the Impact of Renewable Energy Policy on Maharashtra's Renewable Energy Supply Mix and Climate Finance Potential", 9th public policy conference, 9-11th august 2014, IIM Bangalore
- Mishra, T. (2014). "Cost Benefit analysis of Bio energy alternatives in India", International Conference and Utility Exhibition 2014 on Green Energy for Sustainable Development, March 2014, Thailand.
- Prasad, M., Mishra, T. & Bapat, V. (2013). "An empirical assessment of sustainability and economic success using firm fixed effect model in Indian context", Golden Jubilee (50th) Annual Conference of the Indian Econometric Society (TIES), Indira Gandhi Institute of Development Research (IGIDR), Mumbai 22 - 24, December, 2013
- Prasad, M., Mishra, T., Kalro, A. D., & Bapat, V. (2013). "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), December 5-8, 2013, at Tezpur University, Tezpur, Assam.
- Nakarmi, A. M., Mishra, T., and Banerjee, R., (2013). "Energy Scenarios of Nepal 2010 - 2030: A Renewable and Sustainable Approach", International Conference on Energy Resources and Technologies for Sustainable Development, Howrah, West Bengal, February 7-9, 2013
- Mishra, T. (2013). "Effectiveness and Sustainability of Water Supply: An Empirical Analysis", Annual International Sustainability conference, IIM Shillong, March 6 - 8, 2013. (Best Paper Award)
- Mishra, T. (2012). "Assessment of Urban Sustainability index- A Case Study of Mumbai", 3rd URBIO2012 conference Urban Biodiversity and Climate Change: Mitigation and Adaptation, October 8- 12, 2012, Indian Institute of Technology Bombay, Mumbai, India.
- Mishra, T. (2012). "Impact of climate Change: a tale of two coastal cities of India", International conference on Planet under pressure, held during March 26-29, 2012, Excel London, UK
- Mishra, T. (2010). "Climate Change and Vulnerability: A State Level Analysis", 2nd International Conference on Environmental Management, The Centre for Environment, Institute of Science and Technology, JNTUH, held during 25th-28th October 2010, Hyderabad.
- Mishra, T., & Chatterjee, S.(2008). "Vision of having an 'Inclusive' Growth if not Exclusive: with Special Reference to Outsourcing Business & Indian Infrastructure", AIB International Conference on Globalization and Emerging Economies, 11-13 August, 2008, IIM Indore

- Mishra, T., & Chatterjee, S. (2007). "The Role of Infrastructure and Foreign Direct Investment in Indian Economic Development: Issues and Challenges", Singapore Economic Review Conference 2007, 2-5th August, 2007, Singapore
- Mishra, T., (2006). "Role of Private Sector Participation for Sustained Environmental Performance", Ninth Biennial Conference of the International Society for Ecological Economics, December 2006, India Habitat Center, New Delhi.
- Mishra, T., & Chatterjee, B. (2005). "Trade Liberalization in Environmental Goods and Services: Challenges and Opportunities for India", Conference on International Conference on "Competitiveness and Globalization", Vinod Gupta School of Management, IIT Kharagpur, January 2005.
- Mishra, T., & Chatterjee, B. (2003). "An Input Output Approach to Environmental Protection", National Conference of Input-Output Research Association, University of Hyderabad, February 2003.

Media

Article /Coverage

Media Article

- Does India need an Article 6 carbon market? (2023), Economics Times, Energy World
<https://energy.economictimes.indiatimes.com/news/renewable/opinion-does-india-need-an-article-6-carbon-market/101310648>
- All that is lost: Are we correctly quantifying loss and damage to climate extreme, (2023)Economics Times, Energy World
https://energy.economictimes.indiatimes.com/news/renewable/all-that-is-lost-are-we-correctly-quantifying-loss-and-damage-to-climate-extremes/102112097?utm_source=linkedin_web&utm_medium=social&utm_campaign=socialsharebuttons

Media Coverage of Research conducted

- Times of India: Among 11 metros, Chennai most exposed to climate hazards
<https://timesofindia.indiatimes.com/city/chennai/Among-11-metros-Chennai-most-exposed-to-climate-hazards-Study/articleshow/55487108.cms>
- SciDevNet: India's top cities ranked for climate vulnerability
<https://www.scidev.net/south-asia/cities/news/india-top-cities-rank-climate-vulnerability.html>
- Research Matters: Wading the rough tides of Climate change
<https://researchmatters.in/news/wading-rough-tides-climate-change>

- Climate risk maps can mitigate the crisis and protect vulnerable lives
<https://www.hindustantimes.com/opinion/climate-risk-maps-can-mitigate-the-climate-crisis-and-protect-the-lives-of-the-vulnerable-101629980304342.html>
- <https://india.mongabay.com/2023/07/green-credit-scheme-encourages-environment-friendly-behaviour-but-needs-strong-regulation-to-work/>
- <https://timesofindia.indiatimes.com/city/mumbai/bmc-measures-congestion-cost-to-pay-for-relocating-structures-indian-news/articleshow/106941043.cms>
- <https://www.thehindu.com/sci-tech/energy-and-environment/iit-bombay-study-reveals-financial-impact-of-disasters-on-indian-states-calls-for-stronger-preparedness-and-climate-resilience/article69160200.ece>

Sponsored Research / Consultancy Projects

Sponsored Research Projects

- Socio Economic Survey of Pakri-Barwadih Coal Mining Project – Sponsor – NTPC – 2006 - 2007
- Sustainable Management of Water Resources in City of Mumbai, IIT Bombay - 2008-11
- Post-disaster livelihood recovery in coastal fishing communities of Odisha – ICSSR – 2017- 2018
- DST Center of Excellence in Climate studies – DST (As Co-PI) – 2018-2023
- State Action Plan on Climate Change (SAPCC) for Rajasthan (As Co-PI) – Government of Rajasthan- 2020-2022
- Is Climate Smart Agriculture really smart: An evaluation of CSA as an adaptation option in Odisha, India “– ICSSR Major Research Project Grant- 2022-2024 (Completed)
- Creation of GIS thematic millet map under different Agro-climatic zones of India and identifying factors influencing their production 2023-2025 – DST(ongoing)

Consultancy Projects

- Analysis of economic, environmental and social cost of vehicular de-congestion on arterial roads of Mumbai' (As PI) –Brihanmumbai Municipal Corporation, Mumbai – 2023-24 (ongoing)
- Article 6 Potential Analysis in India – GIZ – Climate Focus – 2022-23

- Environmental Impact Assessment, Traco Cable, Government of Kerala (As Co-PI) – 2012- 2013

Industry Project

Assessment of Hydrogen Generation Technologies in India: Implications for Energy Transition – Funding from Cummins Technologies – 2023 (Ongoing)

Research Supervision

PhD Students (As Main Supervisor)

- Mousami Prasad: Environmental performance of firms in India: Evidence from Metal sector – Graduated in 2018 (Best Thesis Award, IIT Bombay)
- Krishna Malakar: Drivers of adaptation in marine fishing communities – Graduated in 2019
- Pankaj Kumar: Modelling Cost and Emission Trade-offs in Indian Power Sector – Graduated in 2020
- Namita Singh: Assessment of Road Transport Emissions and Mitigation Policies in India- Graduated in 2021
- Anand Achari: Economic Evaluation of Mitigation Options in Building Sector – Graduated in 2022
- Priyanka Jajal: Indian Construction Raw Material Industry: Climate Emissions and Temperature Change Mitigation Potential – Graduated in 2022
- Naman Gupta: Assessment of Urban Green Ecosystem and Incentive-Based Mechanisms – Graduated in 2024
- Devdyuti Basu: Estimation of Loss and Damage from Disaster and evaluation of recovery financing mechanism - Continuing
- Mansi Goel: Energy transition and low carbon program evaluation of MSME sector in India – Continuing - Continuing
- Nandini Suresh: Disaster risk financing instrument of public and private sector - Continuing

- Sarath K T: Equity in urban transport policy - Continuing
- Sharalene Moonjely – Adoption of circular economy model and practices by Indian companies - Continuing
- Umar Maqbool – Life Cycle Analysis of Green Hydrogen – Continuing
- Tenneti Rathna – Energy Transition in Agriculture Sector - Continuing
- Ananya Gupta – Sustainability portfolios of Indian Companies - Continuing

PhD Students (As Co Supervisor)

- Amrit Nakarmi: Modelling for energy planning and policy analysis – Graduated in 2015
- Ashok Upadhyay: Study of Nuclear Power Projects in India: Identification of Success Factors and Impact of Modularity - Graduated in 2015
- Rayees Ahmad Sheikh: Informality in Indian labour market – Graduated in 2022
- Debasmita Majumder: Assessment socio-economic risk and adaptation of GLOF hazard Indian Himalayan Region - Continuing
- Karishma Sailan: A comparative analysis of ESG disclosure and its impact on firm's performance - Continuing
- Madhulika Singh: Towards Climate-Resilient Agricultural Water Management - Continuing

Master Students

M Tech

- Visvanath Falegaonkar (As co-supervisor): Economic valuation of Mangroves forest in Mumbai
- Pallavi Tyagi (2020): Flood Risks, Mangrove Ecosystem and Coastal Megacities: To assess the flood risk and adaptation benefits of Mangrove Ecosystem in the H/E Ward of Mumbai

- Vijay Patkar (MPP) - Analysis of the worker distribution, and impact of penetration of the electric vehicles for the automotive manufacturing industry in India, 2022

MBA

- 50+ MBA Projects

Professional and Academic Services

Conference/Workshop/CEP organized

- Coordinator - Executive General Management Programme for Technical Professionals (EGMPTP) - Batch I (2008) to Batch IV (2012)
- Organising Secretary - 2nd Annual Global conference on Entrepreneurship and Technological Innovation (AGCETI) held on January 1-3 January, 2011
- Coordinator - CEP course on “Green Finances: Challenges and Opportunities” on April 25-26 2013.
- Coordinator - National workshop on “Climate Science and Policy” on March 6- 7, 2014, at Climate Studies, IIT Bombay, Mumbai.
- Co- Coordinator – CEP course on Corporate Social Responsibility, on 10-11 October 2014.
- Organizing Secretary – PhD Consortium on “Recent Advances in Management Science: Theory and Applications”, SJMSOM, 2018
- Organizing Secretary – PhD Consortium on “Advances in Management Research: Role in Emerging Economies”, SJMSOM, 2020
- Organising Secretary – IOE Workshop on “Reimagining Risk and Vulnerabilities in Indian Agriculture”, SJMSOM, 2023
- Coordinator - CEP course on “Sustainable Finance”, 2024 - Pramod Chaudhari Alumni Continuing Education Center (PCACEC), IIT Bombay
- Coordinator – Workshop on “CSR, ESG and Sustainability” - SJMSOM, 2025

Outreach and Extension Activities

- NPTEL courses:
 - Business and Sustainable Development (From July 2021 – till date),
 - Managerial Economics (From July 2012 - 2021)
- Keynote Speaker - Indian Carbon Market: ETS Simulation Workshop, 2023
- Faculty Resources - Operationalizing Sustainability in the Oil and Gas Sector, IOCL, 2023
- Session Coordinator: Sustainable Energy Policy, Stanford IITB Joint Workshop on Climate Change, 2023
- Panelist – Decarbonization in energy sensitive industry, Energy Day 2023
- Session Chair – Session on Climate Policy & Circular Economy, Conclave on Sustainability 2022, Research Park, IIT Bombay
- Visiting faculty – NITIE (IIM Mumbai) – Managerial Economics, 2022
- Faculty Resource - Investment Specialist Training Programme for LIC, 2021
- Participant - Deloitte workshop on developing visions for a Net Zero future at COP26, 2021
- Resource Person – SKMCC - Dept of Environment, Govt of Maharashtra, 2021
- Member of Expert group - RURBAN Mission, Maharashtra, 2021
- Faculty Resource - Summer School, IDP in Climate Studies, 2018, 2019, and 2020
- Participant - COP24-Debriefing Event, organized by Ministry of Environment, Forests & Climate Change, Government of India and The Energy and Resources Institute, 2019
- Participant - SJMSOM - Monash Workshop, 2019
- Guest lecture “Climate change vulnerability - Socio-Economic Assessment and Responses, VNIT Nagpur, 2018
- Academic session “Voluntary Compliance as an Additional Policy Tool for Low Carbon Growth” on Indo-German Workshop: Democracy, Devolution, and Climate Policy, 2018
- Invited lecture on “Sustainable Business” – NMIMS
- Subject expert, Examination Committee - NMIMS
- Reviewer assignment – India’s Knowledge Repository on Climate Change and Disaster Risk Management, Presented in UNFCCC COP 24, 2018.
- Journal Paper Review: Current Research in Environmental sustainability, Renewable and Sustainable Energy Review, Science of Total Environment, Journal of Applied Accounting and Research, Global transition, International Journal of Social Economics, Journal of Public Affairs, Water and Climate change, Environment, Development and Sustainability, PLOS one, Journal of Environment Management, Regional Science, Policy and Practice

Administrative Activities

- Head, DS School of Entrepreneurship
- Co - Chair – Institute Review Board – Institute – 2020 - Till date
- Executive Committee Member – Green Energy and Sustainability Hub – 2023 – Till date
- Member - Academy PhD Joint Selection Committee (APJSC), IITB – Monash research Academy– 2023 – Till date
- PGC Member, DS School of Entrepreneurship
- Convener – Budget Committee, Climate Studies – 2023 – Till date
- Member – Post Graduate Committee (PGC), Desai Sethi School of Entrepreneurship (DSSE), IIT Bombay – 2024
- Member, Sameer and Vinaya Kapoor Access Award Committee – 2023,2024
- Member, Faculty Selection Committee - IDP in Climate Studies – 2019 – Till date
- Member, PhD admission Committee – IDP in Climate Studies – 2019- Till date
- Faculty In charge – Economicus Club – SJMSOM - 2021- Till date
- Faculty in charge – Sustainability Action Lab– SJMSOM – 2024 - Till date
- Associate Faculty – IDP in Climate Studies – 2012 – Till date
- Member, Policy Committee, IDP - IDP in Climate Studies – 2016-2023
- Institute Representative, GATE Exam, - Institute – 2018, 2019, 2020, 2021, 2023
- PhD coordinator – SJMSOM – 2019-2021
- Faculty advisor – PhD program – IDP in Climate Studies – 2016 – 2021
- Member, IT Committee – SJMSOM -2019 -2021
- Member, School Policy Committee – SJMSOM – 2018 -2020, 2024 – till date
- Member – Admission Committee – SJMSOM -2017-2020
- Faculty Advisor (MBA 2018-20 Batch) - SJMSOM
- Convener, Excellence in PhD Thesis Award Committee - IDP in Climate Studies – 2019, 2020
- Convener, RA Committee- SJMSOM – 2020
- Convener, Account analysis committee – SJMSOM – 2020
- MBA Admission Coordinator – SJMSOM – 2017

Award and Honours

- Best Paper Award, International Finance and Accounting Conference, IIM Jammu (2023)
- Selected to participate in DST women leadership program on “Science and Sustainability” (2022)

- Empanelment of State Knowledge Management Centre on Climate Change (SKMCC), Dept. of Environment, Government of Maharashtra (2020)
- Prof Ajit Kolar Best Paper Award, ICAER (2019)
- Best paper Award Annual Sustainability conference, IIM Shillong (2013)
- Recipient of SAP Fellowship for participating in Lindau Nobel Laureate Meeting (2008)