

MOINUL ISLAM

Associate Professor, Kochi University of Technology, Kochi City, Japan

✉ [moinul.eco\[at\]gmail.com](mailto:moinul.eco[at]gmail.com)  [moineco](https://github.com/moineco)  moinul.github.io/moinul/research.html

Employment

Kochi University of Technology

Associate Professor, School of Economics and Management 2024-Cont.

Kochi University of Technology

Assistant Professor, School of Economics and Management 2020-2024

Hiroshima University

Assistant Professor, Graduate School for International Development and Cooperation 2019-2020

Kyushu University

Assistant Professor, Graduate School of Urban and Environmental Engineering 2016-2019

Tohoku University

Researcher, Graduate School of Environmental Science 2012

Education

Kyushu University, Doctor of Engineering (equivalent to Ph.D. in Environmental Engineering) 2012-2016

International University of Japan, M.A. in International Development 2010-2012

Shahjalal University of Science and Technology, M.S.S. in Economics 2006-2007

Shahjalal University of Science and Technology, B.S.S. in Economics 2002-2006

Publications

1. Sharofiddinov, H., **Islam, M.**, Kotani, K. (2025). Adaptation indicator to climate change and farm sizes in agriculture: A reflection of farming culture and history. *Ecological Indicators*, (forthcoming).
2. Managi, S., **Islam, M.***, Zhang, D., and Flammer, C. (2025). Nature positive strategy with social and economic policy. *Sustainability Science*, (forthcoming).
3. **Islam, M.**, Kotani, K., and Managi, S. (2024). Nature dependence and seasonality change perceptions for climate adaptation and mitigation. *Economic Analysis and Policy*, 81, 34–44.
4. Sharofiddinov, H., **Islam, M.**, Kotani, K. (2024). How does the number of water users in a land reform matter for water availability in agriculture? *Agricultural Water Management*, 293, 108677.
5. Managi, S., **Islam, M.***, Zhang, D., Zaied, Y. B., and Saito, O. (2023). Natural capital accounting for sustainable cities. *Sustainability Science*, 18, 2049–2051.

6. Yamaguchi, R., **Islam, M.**, and Managi, S. (2023). Natural capital and wealth accounting for sustainability assessment: A global perspective. *International Review of Environmental and Resource Economics*, 16, 431–465.
7. **Islam, M.**, Zhang, B., and Managi, S. (2022). The trade-off between natural capital and other capitals in Pakistan. *Sustainability Science*, 17, 1799–1811.
8. Managi, S., **Islam, M.***, Saito, O. et al. (2022). Valuation of nature and nature's contributions to people. *Sustainability Science*, 17, 701–705.
9. **Islam, M.**, and Managi, S. (2022). Valuation of nature's contribution in Ladakh, India: An inclusive wealth method. *Sustainability Science*, 17, 905–918.
10. N'dri, L., **Islam, M.***, and Kakinaka, M. (2021). ICT and environmental sustainability: Any differences in developing countries? *Journal of Cleaner Production*, 297, 126642.
11. Badamvaanchig, M., **Islam, M.***, and Kakinaka, M. (2021). Pass-through of commodity price to Mongolian stock price: Symmetric or asymmetric? *Resources Policy*, 70, 101955.
12. Hongsakhone, S., **Islam, M.***, and Ichihashi, M. (2021). Producing a village input-output table (VIOT) from household survey data: A case study of a VIOT for a rural village in northern Lao PDR. *Journal of Economic Structures*, 10, 1–24.
13. Sharifi, A., Simangan, D., Lee, C. Y., Reyes, S. R. C., Katramiz, T., Josol, J. C. C., and **Islam, M.** (2021). Climate-induced stressors to peace: A review of recent literature. *Environmental Research Letters*, 16, 073006.
14. Simangan, D., Virji, H., Hendrix, C., **Islam, M.**, Kaneko, S., Ma, Y., Mechler, R., Pangotra, P., Peters, K., Sharifi, A. and Shams, S. (2021). A co-designed heuristic guide for investigating the peace-sustainability nexus in the context of global change. *Sustainability Science*, 16, 1097–1109.
15. Essandoh, O. K., **Islam, M.***, and Kakinaka, M. (2020). Linking international trade and foreign direct investment to CO_2 emissions: Any differences between developed and developing countries? *Science of The Total Environment*, 712, 136437.
16. Jingyu, W., Yuping B., Yihzong W., Zhihui L., Xiangzheng D., **Islam M.**, and Managi S. (2020). Measuring inclusive wealth of China: Advances in sustainable use of resources. *Journal of Environmental Management*, 264, 110328.
17. Hotak, S., **Islam, M.***, Kakinaka, M. and Kotani, K. (2020). Carbon emissions and carbon trade balances: International evidence from panel ARDL analysis. *Environmental Science and Pollution Research*, 27, 24115–24128.
18. Coulibaly, T., **Islam, M.**, and Managi, S. (2020). The Impacts of climate change and natural disasters on agriculture in African countries. *Economics of Disasters and Climate Change*, 4, 347–363.
19. Coulibaly, T., Wakamatsu, M., **Islam, M.**, Fukai, H., Managi, S. and Zhang, B. (2020). Differences in water policy efficacy across South African water management areas (2020). *Ecological Economics*, 175, 106707.
20. **Islam, M.**, and Managi, S. (2019). Green growth and pro-environmental behavior: Sustainable resource management using natural capital accounting in India. *Resources, Conservation and Recycling*, 145, 126–138.

21. Managi, S., **Islam, M.**, Saito, O., Stenseke, M., Dziba, L., Lavorel, S., Pascual, U., and Hashimoto, S. (2019). Valuation of nature and nature's contributions to people. *Sustainability Science*, 1463–1465.
22. **Islam, M.**, Kanemoto, K., and Managi, S. (2019). Growth potential for CO_2 emissions transfer by tariff reduction. *Environmental Research Letters*, 14, 024011.
23. Yamaguchi, R., **Islam, M.**, and Managi, S. (2019). Inclusive wealth in the 21st century. *Letters in Spatial and Resource Sciences*, 12, 101–111.
24. Ying Lee, C., Lotsu, S., **Islam, M.***, Yoshida, Y., and Kaneko, S. (2019). The Impact of an energy efficiency improvement policy on the economic performance of electricity-intensive firms in Ghana. *Energies*, 12, 3684.
25. **Islam, M.**, Yamaguchi, R., Sugiawan, Y., and Managi, S. (2018). Valuing natural capital and ecosystem services: A literature review. *Sustainability Science*, 14, 159–174.
26. **Islam, M.**, and Managi, S. (2018). Sustainable adaptation to multiple water risks in agriculture: Evidence from Bangladesh. *Sustainability* (Switzerland), 10(6).
27. Rajapaksa, D., **Islam, M.**, and Managi, S. (2018). Pro-environmental behavior: The role of public perception in infrastructure and the social factors for sustainable development. *Sustainability* (Switzerland), 10, 937.
28. Tolliver, C., **Islam, M.**, Shin, K., and Managi, S. (2018). The impact of energy security risks on energy consumption. *International Journal of Innovation and Sustainable Development*, 12, 258–270.
29. Sugiawan, Y., **Islam, M.**, and Managi, S. (2017). Global marine fisheries with environmental sustainability. *Economic Analysis and Policy*, 55, 158–168.
30. Rajapaksa, D., **Islam, M.**, and Managi, S. (2017). Natural capital depletion: The impact of natural disasters on inclusive growth. *Economics of Disasters and Climate Change*, 1, 233–244.
31. **Islam, M.**, Kanemoto, K., and Managi, S. (2016). Impact of trade openness and sector trade on embodied greenhouse gases emissions and air pollutants. *Journal of Industrial Ecology*, 20, 494–505.
32. **Islam, M.**, Kotani, K., and Managi, S. (2016). Climate perception and flood mitigation cooperation: A Bangladesh case study. *Economic Analysis and Policy*, 49, 117–133.
33. **Islam, M.**, and Kotani, K. (2016). Changing seasonality in Bangladesh. *Regional Environmental Change*, 16, 585–590.

Book chapters (Selected)

1. **Islam, M.**, and Managi, S. (2021). Global human capital: View from inclusive wealth. In measuring human capital (pp. 39-54). Academic Press. ISBN: 9780128190579.
2. Sankaralingam, I., **Islam, M.**, Nozawa, W., and Managi, S. (2019). Impact of infrastructure in India. In wealth, inclusive growth and sustainability. Routledge, New York, USA.
3. Coulibaly, T., **Islam, M.**, and Managi, S. (2019). The impact of climate change and extreme events on agriculture in Africa. In wealth, inclusive growth and sustainability. Routledge, New York, USA.
4. Qiuyi, C., **Islam, M.**, and Managi, S. (2019). Human capital change and social impact under China's universal two-child policy. In wealth, inclusive growth and sustainability. Routledge, New York, USA.

5. Jumbri, I., **Islam, M.**, and Managi, S. (2019). Inclusive wealth adjusted by total factor productivity as a sustainable measurement: Global productivity analysis. In wealth, inclusive growth and sustainability. Routledge, New York, USA.
6. Mahful, R., **Islam, M.**, Nakayam, H., and Managi, S. (2019). The effect of landfill gas emission on global warming and workers' health in Indonesia. In wealth, inclusive growth and sustainability. Routledge, New York, USA.