

# MOINUL ISLAM

Currently working as an Assistant Professor at Kochi University of Technology

If you are interested in my background and consider to collaborate for research, please feel free to contact me.

## EDUCATION

- 2016 • **Kyushu University**  
Ph.D. in Engineering 📍 Kyushu, Japan
- 2012 • **International University of Japan**  
M.A in International Development 📍 Niigata, Japan
- 2007 • **Shahjala University of Science & Technology**  
M.S.S in Economics 📍 Sylhet, Bangladesh
- 2006 • **Shahjala University of Science & Technology**  
B.S.S in Economics 📍 Sylhet, Bangladesh

## PROFESSIONAL EXPERIENCE

- Current | 2020 • **Assistant Professor**  
Kochi University of Technology 📍 Kochi, Japan
  - Working as a researcher at Research Institute of Future Design.
  - Conduct experimental economics and development economics research.
  - Developing the research laboratory to conduct spatial economics research.
- 2020 | 2019 • **Assistant Professor**  
Hiroshima University 📍 Hiroshima, Japan
  - Working as a researcher at IDEC, Hiroshima University.
  - Teach reach methodology to graduate students.
- 2019 | 2016 • **Assistant Professor**  
Kyushu University 📍 Kyushu, Japan
  - Performed environmental economics research towards understanding inclusive wealth and sustainable development.
  - Collaborate with leading researchers in the field of environmental economics and environmental science.



## CONTACT INFO

✉ [islam.moinul@kochi-tech.ac.jp](mailto:islam.moinul@kochi-tech.ac.jp)  
🌐 <https://moineco.github.io/moinul/journal.html>  
🔗 <https://github.com/moineco>  
🐦 moinul\_econ  
☎ +81 088-821-7145  
For more information, please contact me via email.

## SKILLS

Experienced in econometric analysis, statistical analysis and spatial analysis.


Full experience with empirical analysis by using economic models.

Highly skilled in R, Python, LaTeX, QGIS, ArcGIS





© Moinul Islam

Last updated on 2023-05-04.








## PROJECT EXPERIENCE

- Current | 2016
- **United Nations Environmental Program (UNEP)**  
Inclusive Wealth Project  Kyushu, Japan
    - Data collection to measure the Inclusive Wealth of Nations.
    - Write the report as a contributing author of UNEP the Inclusive Wealth Report.
    - Analyze data and create Inclusive Wealth Index.

## TEACHING EXPERIENCE

- Current | 2023
- **Future Design**  
Instructor of future design linked to intragenerational and intergenerational sustainability at Kochi University of Technology.  Kochi, Japan
- Current | 2022
- **International Trade and Finance**  
Instructor of international trade and finance linked to intermediate microeconomics and macroeconomics at Kochi University of Technology.  Kochi, Japan
- Current | 2021
- **Geoinformatics**  
Instructor of geographic information system basics at Kochi University of Technology.  Kochi, Japan
- 2020 | 2019
- **Research Methodology**  
Instructor of research methodology at Hiroshima University.  Hiroshima, Japan

## SELECTED PUBLICATIONS (PEER-REVIEW)

- 2023
- **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.  Global
- 2022
- **Islam, M., Zhang, B., and Managi, S. (2022). The tradeoff between natural capital and other capitals in Pakistan**  
*Sustainability Science*: 17, 1799-1811.  Pakistan
- 2022
- **Managi, S., Islam, M., Saito, O. et al. (2022). Valuation of nature and nature's contributions to people**  
*Sustainability Science*, 17, 701-705.  Global
- 2022
- **Islam, M., and Managi, S. (2022). Valuation of Nature's Contribution in Ladakh, India: An Inclusive Wealth Method**  
*Sustainability Science*, 17, 905-918.  India
- 2021
- **N'dri, L., Islam, M., and Kakinaka, M. (2021). ICT and environmental sustainability: Any differences in developing countries?**  
*Journal of Cleaner Production*, 297, 126642.  Developing
- 2021
- **Badamvaanchig, M., Islam, M., and Kakinaka, M. (2021). Pass-through of commodity price to Mongolian stock price: Symmetric or asymmetric?**  
*Resources Policy*, 70, 101955.  Mongolia
- 2021
- **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.  Lao PDR

- 2021 ● **Sharifi, A., Simangan, D., Lee, C. Y., Reyes, S. R. C., Katramiz, T., Josol, J. C. C., & Islam, M. (2021). Climate-induced stressors to peace: A review of recent literature**  
*Environmental Research Letters*, 16, 073006. 📍 Global
- 2021 ● **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. 📍 Global
- 2020 ● **Essandoh, O. K., Islam, M., and Kakinaka, M. (2020). Linking international trade and foreign direct investment to CO2 emissions: Any differences between developed and developing countries?**  
*Science of The Total Environment*, 712, 136437. 📍 Developing
- 2020 ● **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. 📍 China
- 2020 ● **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. 📍 Global
- 2020 ● **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. 📍 Africa
- 2020 ● **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**  
*Ecological Economics*, 175, 106707. 📍 South Africa
- 2019 ● **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. 📍 India
- 2019 ● **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. 📍 Global
- 2019 ● **Islam, M., Kanemoto, K., and Managi, S. (2019). Growth potential for CO2 emissions transfer by tariff reduction**  
*Environmental Research Letters*, 14, 024011. 📍 Global
- 2019 ● **Yamaguchi, R., Islam, M., and Managi, S. (2019). Inclusive wealth in the 21st century**  
*Letters in Spatial and Resource Sciences*, 12, 101-111. 📍 Global
- 2019 ● **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. 📍 Ghana
- 2018 ● **Islam, M., Yamaguchi, R., Sugiawan, Y., and Managi, S. (2018). Valuing natural capital and ecosystem services: A literature review**  
*Sustainability Science*, 14, 159-174. 📍 Global
- 2018 ● **Islam, M., and Managi, S. (2018). Sustainable adaptation to multiple water risks in agriculture: Evidence from Bangladesh**  
*Sustainability (Switzerland)*, 10(6). 📍 Bangladesh

- 2018 ● **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. 📍 Global
- 2018 ● **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. 📍 Global
- 2017 ● **Sugiawan, Y., Islam, M., and Managi, S. (2017). Global marine fisheries with environmental sustainability**  
*Economic Analysis and Policy*, 55, 158-168. 📍 Global
- 2017 ● **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. 📍 Global
- 2016 ● **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. 📍 Global
- 2016 ● **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. 📍 Bangladesh
- 2016 ● **Islam, M., and Kotani, K. (2016). Changing seasonality in Bangladesh**  
*Regional Environmental Change*, 16, 585-590. 📍 Bangladesh



## INTERNATIONAL POLICY REPORTS (PEER-REVIEW)

- 2023 ● **Inclusive Wealth Report 2022**  
United Nation Environmental Program (UNEP) 📍 Global
- 2022 ● **Inclusive Wealth of Pakistan: The Case for Investing in Natural Capital and Restoration**  
United Nation Environmental Program (UNEP) 📍 Pakistan
- 2022 ● **Future Design: For the Survival of Humankind**  
Think7: Research-based policy recommendations for the G7 📍 Global



## BOOK CHAPTERS (PEER-REVIEW)

- 2021 ● **Islam, M., and Managi, S. (2021). Global Human Capital: View From Inclusive Wealth**  
In *Measuring Human Capital* (pp. 39-54). Academic Press. ISBN: 9780128190579. 📍 Global
- 2019 ● **Sugiawan, Y., Islam, M., and Managi, S. (2019). Global marine fisheries with environmental sustainability**  
In *Wealth, Inclusive Growth and Sustainability*. Routledge, New York, USA. 📍 Global
- 2019 ● **Sankaralingam, I., Islam, M., Nozawa, W., and Managi, S. (2019). Impact of infrastructure in India. In Wealth, Inclusive Growth and Sustainability**  
In *Wealth, Inclusive Growth and Sustainability*. Routledge, New York, USA. 📍 India
- 2019 ● **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. 📍 Global

- 2019 ● **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. 📍 Africa
- 2019 ● **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. 📍 China
- 2019 ● **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. 📍 Indonesia



## INTERNATIONAL CONFERENCES AND SYMPOSIUMS

- 2022 ● **Islam, M., and Saijo, T. A Future Design Workshop on Inequality**  
4th International Conference on Anticipation 📍 Arizona, USA
- 2022 ● **Islam, M.. Nitrogen cycle and intergenerational sustainability**  
Future Design 2022 📍 Kochi, Japan
- 2021 ● **Islam, M. and Managi, S. Inclusive wealth of nations**  
Q-AOS Symposium on Inclusive Growth, Kyushu University 📍 Kyushu, Japan
- 2018 ● **Islam, M. and Managi, S. Natural capital of nations for sustainable development**  
IPSA World Congress of Political Science 📍 Brisbane, Australia
- 2018 ● **Islam, M. and Managi, S. Inclusive wealth accounting**  
Joint Tianjin University-Kyushu University workshop on economics, Tianjin University 📍 Tianjin, China
- 2018 ● **Islam, M. and Managi, S. Natural capital of nations**  
Workshop on Sustainability, SDGs and Security, Kyushu University 📍 Kyushu, Japan
- 2013 ● **Islam, M., and Managi, S. Farmer's adaptation strategy in Bangladesh,**  
SEEPS 📍 Kobe, Japan



## RESEARCH GRANTS

- 2025  
|  
2021 ● **Grants-in-Aid for Scientific Research from the Japanese government. Category: Grant-in-Aid for Early-Career Scientists. Principal investigator: Moinul Islam. Grant number: 21K13290.**  
JSPS 📍 Japan
- 2027  
|  
2022 ● **Grants-in-Aid for Scientific Research from the Japanese government. Category: Fund for the Promotion of Joint International Research. Principal Investigator: Koji Kotani. Grant number: 22KK0020.**  
JSPS 📍 Japan
- 2021  
|  
2019 ● **Grants-in-Aid for Scientific Research from the Japanese government. Category: Grant-in-Aid for Research Activity Start-up. Principal investigator: Moinul Islam. Grant number: 19K24384.**  
JSPS 📍 Japan



## WORKING PAPERS

- 2022 ● **Husniddin, S., Islam, M., and Kotani, K. Does the reorganization of large agricultural farms decrease irrigation water availability? A case study of Tajikistan**  
Working Papers SDES-2022-3, Kochi University of Technology, School of Economics and Management 📍 Tajikistan

- 2020 ● **Islam, M., and Kotani, K. Who perceive seasonality change? A case of the Meghna basin, Bangladesh**  
Working Papers SDES-2020-15, Kochi University of Technology, School of Economics and Management  Bangladesh
- 2014 ● **Islam, M., and Kotani, K. Six or four seasons? An evidence for seasonal change in Bangladesh**  
Working Papers SDES-2014-11, Kochi University of Technology, School of Economics and Management,  Bangladesh
- 2013 ● **Islam, M., and Kotani, K. Six or four seasons? Perceptions of climatic changes and people's cooperative attitudes toward food protection in Bangladesh**  
Working Paper EMS-2013-06, International University of Japan, Economics & Management Series  Bangladesh