

# Joyashree Roy

## **Position/Department/Division/Institution/Organization**

Founder Director, South and South East Asia Multidisciplinary Research Network on Transforming Societies of Global South, Asian Institute of Technology, Thailand  
Professor of Economics and Founder Advisor, Global Change Programme, Jadavpur University, India

## **Country**

Thailand and India

## **Career history**

**Joyashree Roy** is the Founder Director of the Centre on South and South East Asia Multidisciplinary Applied Research Network on Transforming Societies of Global South and formerly the Bangabandhu Chair Professor at SERD, Asian Institute of Technology, Thailand. She is a Professor of Economics and Founder advisor to multi year projects : Global Change Programme and SYLFF-JU programme in Jadavpur University, India. She is a national fellow of the Indian Council of Social Sciences Research (ICSSR). She was Ford Foundation Post Doctoral Fellow at LBNL, Berkeley, USA. She is the recipient of 2021 Paradigm award of The Breakthrough Institute, USA. She was in IPCC-2007 Nobel Peace Prize winning panel and continued as Coordinating Lead Author in Fifth and Sixth assessment cycles of WGIII of IPCC. She has been a chapter author of Global Energy Assessment, has been associated with the Stern Review Report and many other global and National, Subnational Reports. She is in the winning team of 2012 Prince Sultan Bin Aziz creativity award for water. She has published more than 160 peer reviewed journal articles, authored and edited books. She is in the Steering/advisory committee of several national and International science-policy interactive platforms and in editorial boards of many international journals. Her research interests are: Resource and Environmental Economics, Economics of Pollution and Climate Change, Modeling industrial and other sectoral energy demand, Economy-wide modeling exercises for deriving policy implications, Water quality demand modeling, Water, Energy, Carbon pricing, Sustainable development, Natural resource accounting, Valuing environmental services, Developmental and environmental issues relevant for informal sectors, Coastal Ecosystem service evaluation. She features in the documentary [\*Juice: How Electricity Explains the World\*](#) which explains among other things how developing countries are trying to bring people out of the dark and to the lights

and transforming lives.

## Awards/Publications

### Awards

- **2021 Paradigm Award recipient**
- **2012: Creativity Prize** :A member of the 'Team led by Prof. Ashok Gadgil'- winner of the **5<sup>th</sup> Prince Sultan Bin Abdulaziz International Prize for Water**.
- **2008:** Felicitated and awarded a certificate by Prime Minister of India for valuable contribution to the IPCC process (AR4).
- **2007: Nobel Peace Prize:** Among the network of scientists who shared in 2007 Nobel Peace Prize awarded to IPCC. Served as Coordinating Lead author of industry chapter of WGIII of AR4 and AR5. IPCC shares the Nobel Peace Prize of 2007.
- **1997: Ford Foundation Post Doctoral Fellowship Award in Environmental Economics.** Spent the year at Lawrence Berkeley National Laboratory, Environmental Energy Technology Division., USA.

### Most recent relevant publications:

- “Biorights:The neo-economic conservation for Global South”, Springer, Studies in Ecological Economics Vol. 7. <https://doi.org/10.1007/978-3-030-91503-2> . ISBN 978-3-030-91502-5 ISBN 978-3-030-91503-2 (eBook), Switzerland . (co edited: Dipayan De and Joyashree Roy)
- Some S, Roy J, Chatterjee JS, Butt MH, (2022) Low demand mitigation options for achieving Sustainable Development Goals: Role of reduced food waste and sustainable dietary choice, *Journal of Cleaner Production* , doi: <https://doi.org/10.1016/j.jclepro.2022.133432>.
- P. Poontirakul, T.W. Tsusaka, I. Pal, S. Szabo, **J. Roy**, (2022), Does insurance work? Dynamic assessment of insurance, poverty, and climatic hazard outcomes in Thailand, *Climate Risk Management*, doi: <https://doi.org/10.1016/j.crm.2022.100449> (2022).
- Dey, D and **Roy J**, (2022) Economics of Biorights, in ed . Dey and Roy “Biorights:The neo-economic conservation for Global South”, Springer, Studies in Ecological Economics Vol. 7. <https://doi.org/10.1007/978-3-030-91503-2> . ISBN 978-3-030-91502-5 ISBN 978-3-030-91503-2 (eBook), Switzerland .

- **Roy, J.**, Prakash A, Some S, et al (2022). “Synergies and trade-offs between climate change adaptation options and gender equality: a review of the global literature”. *Humanities and Social Sciences Communications*. <https://doi.org/10.1057/s41599-022-01266-6>
- Creutzig, F., **J. Roy**, P. Devine-Wright, J. Díaz-José, F.W. Geels, A. Grubler, N. Maïzi, E. Masanet, Y. Mulugetta, C.D. Onyige, P.E. Perkins, A. Sanches-Pereira, E.U. Weber, 2022: Demand, services and social aspects of mitigation. In IPCC, 2022: *Climate Change 2022: Mitigation of Climate Change. Contribution of Working Group III to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change* [P.R. Shukla, J. Skea, R. Slade, A. Al Khourdajie, R. van Diemen, D. McCollum, M. Pathak, S. Some, P. Vyas, R. Fradera, M. Belkacemi, A. Hasija, G. Lisboa, S. Luz, J. Malley, (eds.)]. Cambridge University Press, Cambridge, UK and New York, NY, USA. doi: 10.1017/9781009157926.007
- Jackson, Robert B., Ahlström, Anders, Hugelius, Gustaf, Wang, Chenghao, Porporato, Amilcare, Ramaswami, Anu, **Roy, Joyashree**, and Yin, Jun. (2022). “Human Well-Being and Per Capita Energy Use.” *Ecosphere* 13( 4): e3978. <https://doi.org/10.1002/ecs2.3978>
- Creutzig Felix, Leila Niamir, Xuemei Bai, Max Callaghan, Jonathan Cullen, Julio Díaz-José, Maria Figueroa, Arnulf Grubler, William F. Lamb, Adrian Leip, Eric Masanet, Érika Mata, Linus Mattauch, Jan C. Minx, Sebastian Mirasgedis, Yacob Mulugetta, Sudarmanto Budi Nugroho, Minal Pathak, Patricia Perkins, **Joyashree Roy**, Stéphane de la Rue du Can, Yamina Saheb, Shreya Some, Linda Steg, Julia Steinberger, Diana Ürge-Vorsatz (2021), Demand-side solutions to climate change mitigation consistent with high levels of wellbeing, *Nature Climate change*, <https://doi.org/10.1038/s41558-021-01219-y>

## **Areas of expertise**

Economics (Micro Economics, Quantitative Techniques in Economics); Resource, Energy and Environmental Economics; Natural Resource Accounting; Economics of Climate Change; Research and Analysis, Training, Capacity Building, Global South.