

Joyashree Roy

Permanent Address

23-8-A Genexx Valley, Joka, D.H. Road, Kolkata: 700104, India

Email: joyashreeju@gmail.com. joyashree@ait.asia

Mobile: +91 9836007382/+660625128614

Twitter @Joyashree9

Skype: roy.joyashree

Current Address

Asian Institute of Technology, Sustainable Energy Transition Academic Program, Dept. of Energy, Environment and Climate Change, School of Environment, Resources and Development, 58 M 009, KM 42, Paholyothin Highway, PO Box: 4, Klong Luang, Klong Neung, Pathum Thani: 12120. Thailand.

EXPERTISE

Economics, Sustainable Development, Sustainability Transition

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.

Organizations and Management

New Teaching and Research Programme: Planning, Development and Implementation, Proposal writing for research grant, coordination, Project and Research Management.

International Professional Experience

US, Europe, Asia, Africa, South Asia, Asia-Pacific: multiple times travelled in multiple countries with variety of research assignments. Comfortably work in multicultural ambience.

DATE OF BIRTH AND GENDER

OCTOBER 1, 1957, FEMALE

PROFESSIONAL EXPERIENCE

Asian Institute of Technology, Thailand

2018 August-continuing (short term): *Bangabandhu Chair Professor*

Responsible for teaching courses for Doctoral and Masters students and provide Research Guidance and help in Sustainable energy planning and modelling for Bangladesh.

Jadavpur University, Kolkata, India

2018-continuing: *Founder Advisor-Global Change Programme and SYLFF-JU Programme, Jadavpur University.*

2002-2018 July (on lien): *Professor of Economics*

2014-2015: *ICSSR National Fellow – affiliated to Jadavpur University*

2006- 08: *Head of the Department of Economics*

1991-2002: *Senior Lecturer and Reader in Economics*

Responsible for teaching courses for Doctoral, Masters and Undergraduate students and provide Research Guidance.

2001-2018: *Coordinator, Global Change Programme*, Initiated and Coordinating the Climate Change and Human Dimensions Research across faculties within the university.

2003-Present: *SYLFF (Riyoichi Sasakawa Young Leaders Fellowship Fund) Project Director of the Research and Leadership Development Programme*. Initially wrote the proposal in collaboration with faculty members within Jadavpur University on "Tradition, Social Change and Sustainable Development: A Holistic Approach" to competitively win an endowment of 1 million USD for the university from Nippon Foundation, Japan.

Responsibilities

- Overall administration of the project including directing academic, administrative, and financial management.
- Networking with the 68 institutions worldwide towards enhancement of exchange among students, faculties, and administrators.
- Coordination among multiple disciplines within social sciences, multiple stakeholders: funding agency in Japan, university administration, students, research advisors and Mentors.
- Organization of research progress report workshops/regional researchers' forum, etc.

Muralidhar Girls' College, Kolkata, India

1982-1991: Lecturer, Teaching at Undergraduate level

REFERENCES

1. Ashok Gadgil

Faculty Senior Scientist, Energy Technologies Area
Lawrence Berkeley National Laboratory Andrew and
Virginia Rudd Family Foundation Distinguished Chair of
Safe Water and Sanitation Professor of Civil and
Environmental Engineering University of California,
Berkeley
Member, National Academy of Engineering
LBNL Mailstop 90R-2121,
1 Cyclotron Road, Berkeley, CA 94720-8132 Phone:
+(1)-510-486-4651, Fax: +(1)-510-486-5454 Email:
ajgadgil@lbl.gov <https://eta.lbl.gov/people/ashok-gadgil>

2. Prof. Dr. Diana Ürge-Vorsatz

Professor, Department of Environmental Sciences and Policy
Central European University <http://envsci.ceu.edu/people/diana-urges-vorsatz>
Vice Chair, Working Group III, Intergovernmental Panel on Climate Change (IPCC) www.ipcc.ch Member,
Academia Europaea http://www.ae-info.org/ae/Member/%C3%9Crges-Vorsatz_Diana

3. Prof. Dr. Manfred Fischedick

Vice President and Director, Future Energy and Mobility Structures
Wuppertal Institute for Climate, Environment, Energy
Professor at Schumpeter School of Business and Economics (University of Wuppertal).
Contact address: Wuppertal Institute, Döppersberg 19 42103 Wuppertal Germany 0049-202
2492-121

EDUCATION

- Ph.D in Economics, Jadavpur University, Kolkata, India, 1991.
- Concentration: Econometric Modelling of Producer Behaviour for Indian Industries to understand Demand for Energy.
- Master of Arts. (Economics), North Eastern Hill University, Shillong, India, 1978.
- College (Bachelor of Arts (Economics Honours) and PUC): Lady Keane Girls College, Shillong.
- School (high school): Government Girls' High School Shillong.

1978-1982: For short period after master's degree completion worked for a research project in NEHU, Shillong. In 1979 Migrated to Kolkata and took some time to get settled and search for job and research opportunity in a new city. So, contacts started building up from the end of 1979 and started research work from 1980.

OTHER TRAININGS

- One week Summer School on Economic Theory, Presidency College, Calcutta, India, 1984.
- Auditing of Courses on Environmental Economics, Resource Economics, Applied Economics in the Department of Agriculture and Resource Economics, (ARE) and Energy Resource Group (ERG) Berkeley, USA, 1997-98 as Ford Foundation Post-Doctoral Fellow.
- Six weeks' faculty improvement programme in Environmental Economics under World Bank capacity building programme in Environmental economics at Institute of Economic Growth, Delhi, India, 1998.
- Three weeks' training programme for Computable General equilibrium Model organized by SANDEE, south Asian Network for Development and Environmental Economics, Bangkok. 2002.

AWARDS AND HONOURS

- **2021 May:** Winner of **2021 Breakthrough Paradigm Award** (<https://www.bangabandhu-chair-ait.org/2021-breakthrough-paradigm-award-winner>).
- **2018 February:** TEDx Jadavpur University Talk (<https://www.youtube.com/watch?v=9q-2MEAairE>)
- **2016 June:** TEDx Ghent Talk (<http://www.tedxghent.be/home/events/tedxghent-6-bits-love/> (<https://www.youtube.com/watch?v=EQ56sFXpHb8>))
- **2014: Indo-US S&T Forum, Joint Awardee** for business plan on "Commercializing a Scalable Low –cost Arsenic remediation technology for societal impact."
- **2014: Senior Fellow, Breakthrough Institute, USA**
- **2013: National Fellowship of the Council in the Social Sciences** for pre-eminent scholarship offered by Indian Council of Social Sciences Research (ICSSR), Ministry of Human Resource Development, Government of India.
- **2012: Creativity Prize:** A member of the 'Team led by Prof. Ashok Gadgil'- winner of the **5th Prince Sultan Bin Abdulaziz International Prize for Water**. (https://en.wikipedia.org/wiki/Prince_Sultan_bin_Abdulaziz_International_Prize_for_Water)
- **2011: Best Citizen's Award** 2011, Friendship Society of India
- **2011: Sawamsiddha Award** of Rotary Club of Calcutta Metro City 2011.
- **2008:** Felicitated and awarded a certificate by Prime Minister of India for valuable contribution to the IPCC process (AR4).
- **2008:** Jadavpur University Teachers Association felicitated for noteworthy achievements in the field of her research. (2008).
- **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.
- **1998:** NIPFP-Ford Foundation Follow up Post-Doctoral Research grant (in Economics) in 1998-99.
- **1997: Ford Foundation Post-Doctoral Fellowship** Award in Environmental Economics. Spent the year at Lawrence Berkeley National Library, Environmental Energy Technology Division, and MS 90-4000, One Cyclotron Road, Berkeley, CA 94720, USA (1997-98).

ADVISORY ACTIVITY

Steering/Advisory Committee Member

- Central Electricity Regulatory Commission, New Delhi, India - Committee Member (Term Completed)
- Climate Strategies, UK - Committee Member
- Development Impact Laboratory (DIL), University of California, Berkeley, and Lawrence Berkeley National Laboratory (LBNL), USA - Advisory Committee Member (Term Completed)
- Environmental Progress - Steering Committee Member (Term Completed)
- Environmental Statistics for Indian Industries, CSO, Government of India, Ministry of Statistics and Programme Implementation - Chairperson
- EmPower - Women for Climate Resilient Societies - Project Steering Committee Member
- Future Earth Academy - Steering Committee Member
- Global Change Programme and JU SYLFF Programme, Jadavpur University, India - Founder Advisor
- Global Commission on Adaptation - Advisory Committee Member
- High Level Panel for a Sustainable Ocean Economy - Expert Group Member
- Industrial Statistics (SCIS), National Statistical Commission, Government of India, Ministry of Statistics and Programme Implementation - Standing Committee Member
- Member of doctoral committees/faculty selection committees in universities (India and overseas), IITs, IISc, ICSSR Centre, State and Central Universities.
- Ministry of Environment, Forest and Climate Change (MOEF), Government of India - Member of Climate Change Consultative Group for Equity (Term Completed)
- Netherlands Institute for Advanced Study in Humanities and Social Sciences - International Advisory Board Member.
- SasiWATERS - Governing Body Member, Vice President (Term Completed).
- Technology Information, Forecasting And Assessment Council (TIFAC) - National Committee Member, Government of India.
- Land Ocean Interaction Coastal Zone (LOICZ), IGBP, Global Change Network - Committee Member (Term Completed)
- LBNL Institute for Globally Transformative Technologies (LIGTT), UCB and LBNL, USA - Advisory Committee Member (Term Completed)
- SAARC - Climate Change Committee Member (Term Completed)
- SAP/DRS/CAS in Economics - Expert Committee Member (Term Completed)
- SEAC - State Level Environment Assessment Committee of the Govt. of West Bengal (Term Completed)
- UGC India - Expert Committee Member for Minor and Major Research projects in Economics (Term Completed)
- Urban Climate Change Research Network (UCCRN), coordinated by Columbia University, USA - Advisory Committee Member (Term Completed)
- Vidyasagar University, India - Member of Executive Council for Chancellor's Nominee (Term Completed)
- Visvesvaraya National Institute of Technology (VNIT), Nagpur, India - Governing Body Member (Term Completed)
- Wuppertal Institute, Germany - International Advisory Board Member.

Honorary Fellow: Senior Fellow with the Breakthrough Institute, USA

Associate Editor/Editorial Board Member of Journals

- Progress in Energy
- Current research in environmental sustainability
- Annual Review of Environment and Resource (ARER)
- Global Transitions
- Current Opinion in Environmental Sustainability
- Environmental Development
- Journal for the Planet
- Energy Economics (completed the term)
- The Journal of Industrial Statistics

LIST OF ALL PUBLICATIONS

h-index: 19 (SCOPUS); as on April 15, 2022 (The h Index considers Scopus articles published after 1995), 37 (Google Scholar, all) as on April 15, 2022

i10-Index: 54

Citations: 1703 (scopus), 6139 (Google scholar)

Books/Articles/Reports:

Books Authored (1)

1992

“Demand for Energy in Indian Industries (A Quantitative Approach)”, 1992, Daya Publishing House, Delhi 110 006

Books/ Co-authored (4)

2016

Das, A., **Joyashree Roy**, S, Chakraborti (2016), Socio-Economic Analysis of Arsenic Contamination of Groundwater in West Bengal, DOI 10.1007/978-981-10-0682-1, Print ISBN 978-981-10-0680- 7, Online ISBN 978-981-10-0682-1, Series ISSN 2198-0012, Springer Singapore. (<https://link.springer.com/book/10.1007/978-981-10-0682-1>)

2015

Das, A., **Joyashree Roy** (2015), “Jole Arsenic: PrasangaPaschimbanga”, Mitram, Kolkata, ISBN: 93-80036-68-x. [Arsenic in Water: Context West Bengal]

2014

Pal, B.D., V.P. Ojha., S, Pohit., **J.Roy (2014)** , GHG Emissions and Economic Growth- A Computable General Equilibrium Model Based Analysis for India, Springer. New Delhi. ISBN 978-81-322-1942-2. (<https://www.springer.com/gp/book/9788132219422>)

2009

Jana S, **J Roy**, S. Datta. (2009), Industrial Pollution and Abatement, Economic Analysis of Paper Units of West Bengal, South Asian Publishers Pvt. Ltd, New Delhi.

Contribution in International High Impact Global/Regional/National Assessment Reports (12)

2019-2022

- a. **IPCC Sixth Assessment Report** (AR6, Chapter 5 coordinating Lead Author) [In progress]
- b. Critical Junctions on the Journey to 1.5°C: The Decisive Decade. London/The Hague: Climate Strategies. (https://imaginethefuture.global/resources/images/Decisive-Decade-Report_Mission-2020-Final_12Apr.pdf) (Roy, J. et al. (2021)).
- c. The Ocean as a Solution to Climate Change: Five Opportunities for Action.” Report. Washington, DC: World Resources Institute. Available online 2019. (<http://www.oceanpanel.org/climate>). (Team of authors: Hoegh-Guldberg. O., et al.)

2017.-2018

- d. **IPCC Special Report on 1.5°C Global Warming** (Coordinating Lead Author of Chapter 5 on Sustainable Development, Poverty Eradication and Reducing Inequalities). 2018. CUP.
- e. **The Hindukush Himalaya Assessment Report** (Coordinating Lead Author of chapter 4: Exploring Futures of the Hindukush Himalaya: Scenarios), 2018, Springer, Open access.
- f. **Ocean as a solution to climate change: five opportunities for action** (Expert author); Report Washington DC, World resources institute (<http://www.oceanpanel.org/climate>).

2014

IPCC Report (Coordinating Lead Author) -Fischedick, M., **J. Roy**, A. Abdel-Aziz, A. Acquaye, J.M. Allwood, J.-P. Ceron, Y. Geng, H. Kheshgi, A. Lanza, D. Perczyk, L. Price, E. Santalla, C. Sheinbaum, and K. Tanaka (2014). Industry. In: Climate Change 2014: Mitigation of Climate Change. Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Edenhofer, O., R. Pichs-Madruga, Y. Sokona, E. Farahani, S. Kadner, K. Seyboth, A. Adler, I. Baum, S. Brunner, P. Eickemeier, B. Kriemann, J. Savolainen, S. Schlömer, C. von Stechow, T. Zwickel and J. Minx (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.

IPCC Report SPM- Drafting Author: IPCC 2014: Summary for Policy makers. In Climate Change Mitigation. Contribution of Working Group III to the Fifth Assessment Report of the IPCC

2012

IPCC Report (contributing author): IPCC 2012, Renewable Energy sources and Climate Change Mitigation, Special Report of the IPCC, Cambridge University Press.US.

UNIDO Report: Industrial Development Report 2011: (coauthor) (http://www.unido.org/fileadmin/user_media/Publications/IDR/2011/UNIDO%20IDR%20reprint%20for%20web%20020912.pdf)

GEA Report (coordinating lead author): **Roy, J.**, A.-M. Dowd, A. Muller, S. Pal and N. Prata, 2012: Chapter 21 - Lifestyles, Well-Being and Energy. In Global Energy Assessment - Toward a Sustainable Future, Cambridge University Press, Cambridge, UK and New York, NY, USA and the International Institute for Applied Systems Analysis, Laxenburg, Austria, pp. 1527-1548.

2007

IPCC (Coordinating Lead Author: IPCC 2007: Climate Change Mitigation, Contribution of Working Group III to the Fourth Assessment Report of the IPCC. Bernstein Lenny and J Roy Coordinating Lead authors of Chapter 7: "Industry", IPCC Fourth Assessment Report, Working Group III. Cambridge University Press, UK and NY.

IPCC Report SPM- Drafting Author: IPCC 2007: Summary for Policy makers. In Climate Change Mitigation. Contribution of Working Group III to the Fourth Assessment Report of the IPCC (B. Metz, O.R. Davidson, P.R Bosch, R Dave, L.A Meyers (eds), Cambridge University Press, UK and NY

Books Edited/Co-Edited

2006

"Development Challenges: Some Analytical Issues", Allied Publishers Ltd. 2006, Kolkata: 700 032 (co-editor, Ajitava Raychaudhuri). 2006

2000

"Themes on Development Economics", Allied Publishers Ltd. 2000, Allied Publishers Ltd., Calcutta 700 032 (co-editor, Manas Ranjan Gupta).

1999

"Environmental Economics in India- Concepts and Problems", 1999, Allied Publishers Ltd., Calcutta 700 032. (co-editor, Gautam Gupta).

Journal Guest Editor

2013

Special Issue on Energy Systems of Current Opinion in Environmental Sustainability [Co-editors: S. K. Ribeiro, Diana Urge-Vorsatz, Maria Josefina Figueroa].

2020

Bangabandhu Special Issue Volume 1 of International Energy Journal on Energy, Disaster, Climate Change: Sustainability and Just Transitions in Bangladesh [Co-editors: Sheikh Tawhidul Islam, Indrajit Pal]

2021

Bangabandhu Special Issue Volume 2 of International Energy Journal on Energy, Disaster, Climate Change: Sustainability and Just Transitions in Bangladesh [Co-editors: Sheikh Tawhidul Islam, Indrajit Pal]

Ecomodern Justice, Breakthrough Journal, Issue 14/Summer 2021 [Co-editor: Chris Foreman]

Articles in Books and Journals

Papers in Peer Reviewed Journals/Books of International Repute: (159)

2022 (8)

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. DOI: <https://doi.org/10.1002/ecs2.3978>

Miah, M.G., Islam, M.R., **Roy, J.** et al. (2022). "A changing coastal ecosystem: Cox's Bazar in southeastern coastal region of Bangladesh", *Environ Dev Sustain* (2022). DOI: <https://doi.org/10.1007/s10668-022-02297-4>

Dasgupta Shyamasree, **Joyashree Roy**, Monalisa Ghosh, Jayanta Talukdar, (2022). "Willingness to pay (WTP) for arsenic-safe drinking water: A case study to understand societal embedding of ECAR technology in rural West Bengal, India", *Development Engineering*, Published on March 2022. DOI: <https://doi.org/10.1016/j.deveng.2022.100096>

Prakash Anjal, Katriona McGlade, Roxy M. Koll, **Joyashree Roy**, Shreya Some and Nitya Rao, (2022). "Climate adaptation interventions in coastal areas: a rapid review of social and gendered dimensions, *Frontiers in Climate adaptation*. Available online: <https://www.frontiersin.org/articles/10.3389/fclim.2022.785212/abstract>

Chaladdee, Alita, Sohee M. Kim, Vilas Nitivattananon, Indrajit Pal, **Joyashree Roy**, and Thongchai Roachanakanan. 2022. "Trend Analysis of Mainstreaming Flood Risk Reduction into Spatial Planning in Thailand", *Sustainability* 14, no. 3: 1119. DOI: <https://doi.org/10.3390/su14031119>

Ghosh Nabanita, Abhisek Roy, Devdyuti Bose, Nandini Das, Anupam Debsarkar, **Joyashree Roy**, (2022). "COVID-19 Lockdown: Lessons learnt using multiple air quality monitoring station data from Kolkata City in India", *Research Journal of Chemistry and Environment*.26 (3), pp. 102-115. DOI: <https://doi.org/10.25303/2603rjce102115> ([https://worldresearchersassociations.com/Archives/RJCE/Vol\(26\)2022/March2022.aspx](https://worldresearchersassociations.com/Archives/RJCE/Vol(26)2022/March2022.aspx))

Jana, S. K., & **Roy, J.** (2022). "Biodiversity and Impacts of Climate Change in Home Gardens: Evidence From a Study in West Bengal, India", In I. Management Association (Ed.), *Research Anthology on Environmental and Societal Impacts of Climate Change*, p. 1432-1453, ISBN13: 9781668436868, IGI Global. DOI: <http://doi:10.4018/978-1-6684-3686-8.ch071>

Jana, S. K., & **Roy, J.** (2022). "Climate Change and Diseases of Plants and Animals: A Study in Home Gardens of West Bengal, India", In I. Management Association (Ed.), *Research Anthology on Environmental and Societal Impacts of Climate Change*, ISBN13: 9781668436868, pp. 1454-1474, IGI Global. DOI: <http://doi:10.4018/978-1-6684-3686-8.ch072>

2021 (22)

Hohne N, **J. Roy**, Owen Gaffney, Johan Falk, Suzana Kahn Ribeiro, Kelly Levin, Sybrig Smit, Leonardo Nascimento, Angel Hsu, Brendan Mapes; 2021. "A seismograph for measuring the transformation to net zero greenhouse gas emissions – discussion paper". Available online: <https://newclimate.org/2021/11/03/a-seismograph-for-measuring-the-transformation-to-net-zero-ghg-emissions-discussion-paper/>

Roy Joyashree; and Hasan Mahmud, 2021. "Reconfiguring the energy progress of Bangladesh", White Board, December. Available online: <https://whiteboardmagazine.com/2697/reconfiguring-the-energy-progress-of-bangladesh/>

Safari, Amir, **Joyashree Roy**, and Mohsen Assadi, (2021). "Petroleum Sector-Driven Roadmap for Future Hydrogen Economy", *Applied Sciences* 11, no. 21: 10389. DOI: <https://doi.org/10.3390/app112110389>

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**, Stephane 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*. DOI: <https://doi.org/10.1038/s41558-021-01219-y>

Aggarwal Pramod, **Joyashree Roy**, Himanshu Pathak, S. Naresh Kumar, B. Venkateswarlu, Anupa Ghosh and Duke Ghosh (2021). "Managing Climatic Risks in Agriculture", in *Indian Agriculture Towards 2030, Pathways for Enhancing Farmers' Income, Nutritional Security and Sustainable Food Systems*, Springer. Available online: <https://library.oapen.org/bitstream/handle/20.500.12657/54047/978-981-19-0763-0.pdf?sequence=1>

Harry D. Saunders, **Joyashree Roy**, Inês M.L. Azevedo, Debalina Chakravarty, Shyamasree Dasgupta, Stephane de la Rue du Can, Angela Druckman, Roger Fouquet, Michael Grubb, Boqiang Lin, Robert Lowe, Reinhard Madlener, Daire M. McCoy, Luis Mundaca, Tadj Oreszczyn, Steven Sorrell, David Stern, Kanako Tanaka, and Taoyuan Wei, (2021). "Energy Efficiency: What Has Research Delivered in the Last 40 Years?", *Annual Review of Environment and Resources*, Volume 46, Published date October 2021. DOI: <https://doi.org/10.1146/annurev-environ-012320-084937>

Minal Pathak, **Joyashree Roy**, Shaurya Patel, Shreya Some, Purvi Vyas, Nandini Das, and Priyadarshi R. Shukla, (2021). Communicating climate change findings from IPCC reports: insights from outreach events in India. Project: IPCC (WG III) AR6 cycle, *Climatic Change* 168, Article number: 23 (2021), published October 2021. DOI: [10.1007/s10584-021-03224-8](https://doi.org/10.1007/s10584-021-03224-8)

Joyashree Roy, (2021). Basket Case to Beacon: How Bangladesh Transformed Itself into a Modern and Resilient Society, *Breakthrough Journal*, No. 14 / Summer 2021, Published on 16 August 2021. <https://thebreakthrough.org/journal/no-14-summer-2021/bangladesh-energy-beacon>

Debalina Chakravarty and **Joyashree Roy**, (2021). Solar Microgrids in Rural India: A Case Study of Household Benefits, Ecology, Economy and Society—the INSEE Journal, Vol. 4 No. 2, Published on 31 July 2021. DOI: <https://doi.org/10.37773/ees.v4i2.140>

Mahmud, Hasan, and **Joyashree Roy**, (2021). Barriers to Overcome in Accelerating Renewable Energy Penetration in Bangladesh, Sustainability 13, no. 14: 7694. DOI: <https://doi.org/10.3390/su13147694>

Joyashree Roy, Satabdi Datta, Preeti Kapuria, Indrila Guha, Rajarshi Banerji, Md. Giashuddin Miah, M. Rafiqul Islam, Janaka Ratnasiri, P.B. Terney Pradeep Kumara, Chinthaka Samarawickrama Lokuhetti, and Shamen Prabath Vidanage (2021). Coastal ecosystems and changing economic activities: Challenges for sustainability transition. Elsevier, Amsterdam, NL. pp. 425-441. DOI: <http://dx.doi.org/10.1016/B978-0-323-85195-4.00020-2>

Dibakar Chakraborty, Krishna Prosad Mondal, Sheikh Tawhidul Islam, and **Joyashree Roy**, (2021). Book Chapter, 2017 Flash Flood in Bangladesh: Lessons learnt, in (ed) Pal et. al., Disaster Resilience and Sustainability, Adaptation for Sustainable Development. Elsevier, Amsterdam, NL. pp. 591-610. DOI: <https://doi.org/10.1016/B978-0-323-85195-4.00007-X>

Das, N.; Dasgupta, S.; **Roy, J.**; Langhelle, O.; Assadi, M., (2021). Emission Mitigation and Energy Security Trade-Off: Role of Natural Gas in the Indian Power Sector, Energies 2021, 14, 3787. DOI: [https://doi.org/10.3390/](https://doi.org/10.3390/10.3390/)

Jim Shea, **Joyashree Roy**, Shaun Fitzgerald and Valentina Bosetti, (2021). The mitigation landscape: demand, supply, and systems, Climate Expo 2021, Preprint. DOI: <http://dx.doi.org/10.33774/coe-2021-9pvbg>

Ghosh Nabanita, Abhisek Roy, Devdyuti Bose, Nandini Das, Anupam Debsarkar, **Joyashree Roy**, (2021). COVID-19 Lockdown: Lessons learnt using multiple air quality monitoring station data from Kolkata City in India, Research Journal of Chemistry and Environment. Accepted for publication on 03 April, 2021.

Roy, J., Das, N., Some, S. (2021). India must use SDG Framework to strengthen developmental diplomacy, In Malancha Chakrabarty and Navdeep Suri, eds, A 2030 Vision for India's Economic Diplomacy (New Delhi: ORF and Global Policy Journal, 2021), PP 190 -203. (<https://www.orfonline.org/research/a-2030-vision-for-indias-economic-diplomacy/>)

Roy, J., Some, S., Das, N., & Pathak, M. (2021). Demand side climate change mitigation actions and SDGs: literature review with systematic evidence search, Environmental Research Letters 16 043003. DOI: <https://doi.org/10.1088/1748-9326/abd81a>
(Small Citation Joyashree Roy et al 2021 Environ. Res. Lett. 16 043003)

Roy, J., Das, N., Some, S., Mahmud, H. (2021). Fast growing developing countries: dilemma and way forward in a carbon constrained world, In Dasgupta, P. et al. (Eds), Sustainable Development Insights from India: Selected Essays in Honour of Ramprasad Sengupta (pp 23-41), Springer Singapore. DOI: <http://doi.org/10.1007/978-981-33-4830-1>

Roy, Joyashree, Sheikh Tawhidul Islam and Indrajit Pal, (2021). Implementation Framework for Sustainable Development: What Matters in the Context of Bangladesh, International Energy Journal 21 (2021) Special Issue 1A, PP 1 – 8. (https://drive.google.com/file/d/1xokUe_8aNY2QqLq9EzS6g0-crHH9fgFi/view)

Minal Pathak, **Joyashree Roy**, Shaurya Patel and Shreya Some, (2021). Communicating climate change findings from IPCC reports: Lessons from outreach events in India, IPCC (WG III), AR6 Cycle, Preprint, January 2021. DOI: <http://doi.org/10.21203/rs.3.rs-163512/v1>

Roy, Joyashree, Sheikh Tawhidul Islam, Indrajit Pal and Hasan Mahmud, (2021). White Paper : Top Ten Priorities in Implementation of Low Carbon Sustainable Energy Development and Adaptation Framework to Reduce Disaster Impact in the Context of Bangladesh, International Energy Journal 21 (2021) Special Issue 1A, PP 143-145. (https://drive.google.com/file/d/1xokUe_8aNY2QqLq9EzS6g0-crHH9fgFi/view)

Erik Pihl¹, Eva Alfredsson, Magnus Bengtsson, Kathryn J. Bowen, Vanesa Castan Broto, Kuei Tien Chou, Helen Cleugh, Kristie Ebi, Clea M. Edwards, Eleanor Fisher¹, Pierre Friedlingstein, Alex Godoy-Faúndez, Mukesh Gupta, Alexandra R. Harrington, Katie Hayes, Bronwyn M. Hayward, Sophie R. Hebden, Thomas Hickmann, Gustaf Hugelius, Tatiana Ilyina, Robert B. Jackson, Trevor F. Keenan, Ria A. Lambino, Sebastian Leuzinger, Mikael Malmaeus, Robert I. McDonald, Celia Michael, Clark A. Miller, Matteo Muratori, Nidhi Nagabhatla, Harini Nagendra, Cristian Passarello, Josep Penuelas, Julia Pongratz, Johan Rockström, Patricia Romero-Lankao, **Joyashree Roy**, Adam A. Scaife, Peter Schlosser, Edward Schuur, Michelle Scobie, Steven C. Sherwood, Giles B. Sioen, Jakob Skovgaard, Edgardo A. Sobenes Obregon, Sebastian Sonntag, Joachim H. Spangenberg, Otto Spijkers, Leena Srivastava, Detlef B. Stammer, Pedro H.C. Torres, Merritt R. Turetsky, Anna M. Ukkola, Detlef P. van Vuuren, Christina Voigt, Chadia Wannous, Mark D. Zelinka (2021). 10 New Insights in Climate Science 2020 - a Horizon Scan, Global Sustainability, Accepted Manuscript, January 2021. DOI: <http://doi.org/10.1017/sus.2021.2>

2020 (11)

Dasgupta, S; Das, N; **Roy, J.**, (2020). Index decomposition analysis of energy use in India, in Contemporary Issues in Sustainable Development, the case of India (ed) Tanika Chakraborty, Deep Mukherjee, Sarani Saha, Routledge, NY, pp126-145. DOI: <http://dx.doi.org/10.4324/9781003141020-10>

Creutzig, Felix; Callaghan, Max; Ramakrishnan, Anjali ; Javaid, Aneeqe; Niamir, Leila; Müller-Hansen, Finn; Minx, Jan; Sovacool, Benjamin; Afroz, Zakia; Andor, Mark; Antal, Miklós; Court, Victor ; Das, Nandini; DÍAZ-JOSÉ, JULIO; Doebbe, Friederike; Figueroa, Maria; Gouldson, Andy; Haberl, Helmut; Hook, Andrew; Ivanova, Diana; Lamb, William F.; Maizi, Nadia; Mata, Érika; Nielsen, Kristian Steensen; Onyige, Chioma Daisy; Reisch, Lucia; **Roy, Joyashree** ; Scheelbeek, Pauline; Sethi, Mahendra; Some, Shreya; Sorrell, Steven; Tessier, Mathilde; Urmee, Tania; Virág, Doris; Wang, Can; Wiedenhofer, Dominik; Wilson, C (2020). Reviewing the scope and thematic focus of 100,000 publications on energy consumption, services and social aspects of climate change: A big data approach to demand-side mitigation, Environmental Research Letters, Accepted for publication, Environmental Research Letters 16 (3), Published December 2020. DOI: <http://dx.doi.org/10.1088/1748-9326/abd78b>

Matthias Honegger, Axel Michaelowa & **Joyashree Roy**, (2020). Potential implications of carbon dioxide removal for the sustainable development goals, Climate Policy. DOI: 10.1080/14693062.2020.1843388

Roy, Joyashree Roy, Sheikh Tawhidul Islam and Indrajit Pal, (2020). Energy, Disaster, Climate Change: Sustainability and Just Transitions in Bangladesh, International Energy Journal, 20 (Special Issue 3A), pp 373-380. www.ericjournal.ait.ac.th

Roy, Joyashree Roy, Sheikh Tawhidul Islam and Indrajit Pal, (2020). White Paper on Energy, Disaster, Climate Change: Sustainability and Just Transitions in Bangladesh International Energy Journal, 20 (Special Issue 3A), pp 579-580, www.ericjournal.ait.ac.th.

Mahmud, H., & **Roy, J.** (2020). Sustainable Energy Sector for Fast Growing Economy like Bangladesh: How Relevant are the Past Asian Precedents?, International Energy Journal, 20 (Special Issue 3A), 381-394.

Roy, J., Mahmud, H., Assadi, M., Iman, N & Nikpey, H. (2020). Moving beyond Gas: Can Bangladesh Leapfrog and Make the Energy Transition Just by Exploring the Role of Geothermal Energy and Gas Infrastructure?. International Energy Journal, 20 (Special Issue 3A), 395-410.

Nandini Das, and **Joyashree Roy** (2020). India can increase its mitigation ambition: An analysis based on historical evidence of decoupling between emission and economic growth, Energy for Sustainable Development, Volume 57, Pages 189-199, ISSN 0973-0826. DOI: <https://doi.org/10.1016/j.esd.2020.06.003>.

Karstensen Jonas, **Joyashree Roy**, Barun Deb Pal, Glen Peters, Robbie Andrew (2020). Key Drivers of Indian Greenhouse Gas Emissions, Economic & Political Weekly, Vol. 55, Issue No. 15, 11 April, pp. 46-53. (<https://www.epw.in/journal/2020/15/special-articles/key-drivers-indian-greenhouse-gas-emissions.html>)

Rissman, Jeffrey, Chris Bataille, Eric Masanet, Nate Aden, William R. Morrow III, Nan Zhou, Neal Elliott, Rebecca Dell, Niko Heeren, Brigitta Huckestein, Joe Cresko, Sabbie A. Miller, **Joyashree Roy**, Paul Fennell, Betty Cremmins, Thomas Koch Blank, David Hone, Ellen D. Williams, Stephane de la Rue du Can, Bill Sisson, Mike Williams, John Katzenberger, Dallas Burtraw, Girish Sethi, He Ping, David Danielson, Hongyou Lu, Tom Lorber, Jens Dinkel, Jonas He, (2020). Technologies and policies to decarbonize global industry: review and assessment of mitigation drivers through 2070, Applied Energy, Volume 266, 15 May 2020, 114848). (<https://energyinnovation.org/wp-content/uploads/2020/04/Technologies-and-policies-to-decarbonize-global-industry-review-and-assessment-of-mitigation-drivers-through-2070.pdf>)

Jana, S. K., & **Roy, J.** (2020). Climate Change and Diseases of Plants and Animals: A Study in Home Gardens of West Bengal, India. In A. Karmaoui, A. Ben Salem, & A. Shah (Eds.), Climate Change and Anthropogenic Impacts on Health in Tropical and Subtropical Regions (pp. 37-62). Hershey, PA: IGI Global. doi:10.4018/978-1-7998-2197-7.ch003 (<https://www.igi-global.com/book/climate-change-anthropogenic-impacts-health/235707>).

2019 (9)

Hoegh-Guldberg. O., et al. 2019. "The Ocean as a Solution to Climate Change: Five Opportunities for Action." Report. Washington, DC: World Resources Institute. Available online at <http://www.oceanpanel.org/climate>.

Roy, J; S.K. Mandal; S.T Islam; S. Dutta; I, Pal; A.S. Khan (2019) Guarding the coasts, in ed. CTCN, Climate Change Strategies 2020, pp 59-62 (<https://www.ctc-n.org/news/new-publication-climate-strategies-2020>).

Ghosh, M; **J, Roy** (2019), Climate action and maritime business education: the pedagogy of experiential learning. IIRE Journal of Maritime Research & Development. Vol 3, issue 2, November, pp 62-75. ISSN:2456-7055.

Hernandez, D., K, Boden, P, Paul., S, Bandaru, Sreeman, Mypati., A, Roy., S, Amrose., **J, Roy**, A, Gadgil (2019), Strategies for successful field deployment in a resource-poor region: Arsenic remediation technology for drinking water, Development Engineering. DOI: <https://doi.org/10.1016/j.deveng.2019.100045>.

Jana, S and **J. Roy** (2019), Biodiversity and Impacts of Climate Change in Home Gardens: Evidence From a Study in West Bengal, India. pp 113-132. Ch 7 in the edited volume Current State and Future Impacts of Climate Change on Biodiversity. ed, Ashok Kumar Rathoure and Pawan Bharati Chauhan ISBN13: 9781799812265, IGI Global (<https://www.igi-global.com/book/current-state-future-impacts-climate/231901>).

Hayward, B., and **J. Roy**, (2019), Sustainable Living: Bridging the North-South Divide in Lifestyles and Consumption Debates. Annu. Rev. Environ. Resour., Vol 44, pp 157-175.

Safari, A., Das, N., Langhelle, O., **Roy, J.**, & Assadi, M (2019), Natural gas: A transition fuel for sustainable energy system transformation? Energy Science and Engineering, 07 June 2019, pp. 1-20. DOI: <https://doi.org/10.1002/ese3.380>.

Dasgupta Shyamasree, Chakraborty D, **Joyashree Roy** (2019). Selected Issues on Economics of Greenhouse Gas Emission Mitigation, in Reference Module in Materials Science and Material Engineering. DOI: <https://doi.org/10.1016/B978-0-12-803581-8.11056-2>.

Some, S., **Roy, J.**, & Ghose, A. (2019). Non-CO2 emission from cropland based agricultural activities in India: A decomposition analysis and policy link. Journal of Cleaner Production, 225, 637–646. DOI: <https://doi.org/10.1016/j.jclepro.2019.04.017>.

2018 (6)

Ghosh, D and **Roy, J.** (2018). National Mission on Bio-diesel in India (2003): An Assessment Based on Strategic Niche Management. pp 228- 256. in edited volume Sustainable Energy Technology and Policies, A

Transformational Journey, Volume 2 (Eds), De, S., S, Bandyopadhyay., M, Assadi., Deb A. Mukherjee. ISSN 1865-3529, ISBN 978-981-10-8392-1. DOI: <https://doi.org/10.1007/978-981-10-8393-8>.

Marambe, Buddhi., Jeevika Weerahewa, Gamini Pushpakumara, Pradeepa Silva, Ranjith Punyawardena, Sarath Premalal, MD. Giashuddin Miah, Joyashree Roy and Sebak Jana (2018), Climate Variability and Adaptation of Homegardens in South Asia: Case Studies from Sri Lanka, Bangladesh and India, Sri Lanka Journal of Food and Agriculture, 4(2): 7-27, 2018.

Chakraborty, Debrupa and **Joyashree Roy**, (2018), Implementing Environmental Management Accounting (EMA): Case Study of a Paperboard & Paper Production Unit in India, IJBIT/V11/02/228/RP.

Felix Creutzig, **Joyashree Roy**, William F. Lamb, Inês M.L. Azevedo, Wändi Bruine de Bruin, Holger Dalkmann, Oreane Y. Edelenbosch, Frank W. Geels, Arnulf Grübler, Cameron Hepburn, Edgar Hertwich, Radhika Khosla, Linus Mattauch, Jan C. Minx, Anjali Ramakrishnan, Narasimha D. Rao, Julia Steinberger, Massimo Tavoni, Diana Ürge-Vorsatz, Elke U. Weber (2018), Towards demand-side solutions for mitigating climate change, Nature Climate Change, April, Vol 8, 268-271.

Safari, A., Das, N., Jafari, S., Langhelle, O., **Roy, J.**, & Assadi, M. (2018). Role of Gas- Fuelled Solutions in Support of Future Sustainable Energy World: Part II: Case Studies. In Sustainable Energy Technology and Policies: A Transformational Journey, Vol 2, Print ISBN: 978-981-10-8392-1, Electronic ISBN: 978-981-10-8393-8). Singapore: Springer. DOI: https://doi.org/10.1007/978-981-10-8393-8_2.

Roy, Joyashree, D. Chakravarty, S. Dasgupta, D Chakraborty, S. Pal, D. Ghosh. (2018) Where is the hope? Blending modern urban lifestyle with cultural practices in India, Current Opinion in Environmental Sustainability 2018, 31:96–103. DOI: <https://doi.org/10.1016/j.cosust.2018.01.010>.

2017 (7)

Roy Joyashree, Shyamasree Dasgupta, Duke Ghosh, Debalina Chakravarty, Nandini Das, Debrupa Chakraborty and Sudipta De (2017), Governing National Actions for Global Climate Stabilisation : Examples from India, Chapter 8 in, Climate Governance In South Asia, (eds) Barua Anamika, Vishal Narain, Sumit Vij, CRC Press-Taylor and Francis Group, ISBN 9781138054509. (<https://www.crcpress.com/Climate-Change-Governance-and-Adaptation-Case-Studies-from-South-Asia/Barua-Narain-ij/p/book/9781138054509>)

Das, N., & **Roy, J.** (2017). Making Indian Power Sector Low Carbon: Opportunities and Policy Challenges. In S. D. Anirudh Gautam, Sustainable Energy and Transportation, pp. 163-183, Print ISBN: 978-981-10-7508-7, Online ISBN: 978-981-10-7509-4). Singapore: Springer. DOI: https://doi.org/10.1007/978-981-10-7509-4_10.

Jackson R B, CleQue ré ;R M Andrew, J G Canadell, G P Peters, **J Roy**, and L Wu (2017). Warning signs for stabilizing global CO2 emissions, Environ. Res. Lett. 12 (2017) 110202. DOI: <https://doi.org/10.1088/1748-9326/aa9662>

Caine Mark, J Lloyd, Max Luke, Lisa Margonelli, Todd Moss, Ted Nordhaus, Roger Pielke jr., Michael Roman, **J Roy**, Daniel Sarewitz, Michael Shellenberger, Kartikeya Singh, Alex Trembath (2017), Our High Energy Planet, in The Rightful Place of Science: Climate Pragmatism (eds.) Lloyd J, Sarewitz D, T Nordhaus, A Trembath, Consortium for Science Policy & Outcome at Arizona State University, Tempe, A Z and Washington DC. ISBN 9780692897959.

Raven Rob, Bipashyee Ghosh, Anna Wiecezorek, Andy Stirling, Duke Ghosh, Suyash Jolly, Eakanut Karjangtimapron, Sidtinat Prabudhanitisarn, **Joyashree Roy**, Somporn Sangawongse, Frans Sengers, (2017). Unpacking sustainabilities in diverse transition contexts: Solar photovoltaic and urban mobility experiments in India and Thailand, Sustainability Science, (2017) 12:579–596. DOI: <https://doi.org/10.1007/s11625-017-0438-0>.

Delaire Caroline, Abhijit Das, Susan Amrose, Ashok Gadgil, **Joyashree Roy**, Isha Ray (2017), Determinants of the use of alternatives to arsenic-contaminated shallow groundwater: an exploratory study in rural West Bengal, India, Journal of Water and Health, 15.5, pp 799-812.

Roy Joyashree, Shyamasree Dasgupta, Debrupa Chakraborty (2017), in Deep Decarbonisation in Industries: What does it mean for India?Ed, Lechtenbohmer S and Katherine Knopp, "Realizing long-term transitions towards low carbon societies". Wuppertal Spezial, 53, Wuppertal Institute, pp 88-91.

2016 (7)

Dasgupta Shyamasree and **Joyashree Roy** (2016), Analysing energy intensity trends and decoupling of growth from energy use in Indian manufacturing industries during 1973- 74 to 2011-12, Energy Efficiency, pp 1-19, ISSN: 1570-646X (Print) 1570-6478 (Online). DOI: <https://doi.org/10.1007/s12053-016-9497-9>.

Colenbrander Sarah, Andy Gouldson, **Joyashree Roy**, Niall Kerr, Sayantan Sarkar, Stephen Hall, Andrew Sudmant, Amrita Ghatak, Debalina Chakravarty, Diya Ganguly and Faye McAnulla (2016). Can low-carbon urban development be pro-poor? The case of Kolkata, India, Environment and Urbanization, pp 1–20, ISSN · 0956-2478 (print) 1746-0301 (web). DOI: <https://doi.org/10.1177%2F0956247816677775>.

Roy Joyashree, Diya Ganguly, Debalina Chakravarty (2016). Low Carbon Green Growth Strategies and Sustainable Development for Mega cities: A Case Study of Kolkata, Amity Journal of Economics 1 (1), pp 73-86 (www.amity.edu/admaa/ajeco).

Chakravarty D, **Roy J**, (2016), The Global South: New Estimates and Insights from Urban India. In the edited volume of "Rethinking Climate and Energy Policies: New Perspectives on the Rebound Phenomenon", edited by Tilman Santarius, Hans Jakob Walnum, Carlo Aall. Springer International Publishing, Switzerland.2016. ISBN 978-3- 319-38805-2, ISBN 978-3-319-38807-6 (eBook). DOI: <https://doi.org/10.1007/978-3-319-38807-6>.

Duke Ghosh, Frans Sengers, Anna J. Wieczorek, Bipashyee Ghosh, **Joyashree Roy**, and Rob Raven (2016), , in The Experimental City ed. by James Evans, Andrew Karvonen, Rob Raven, Routledge (<https://www.routledge.com/The-Experimental-City/Evans-Karvonen-Raven/p/book/9781138856202>).

Roy, J, S. Datta, P. Kapuria, I. Guha, R. Banerji, S. Rao, M. G. Miah, M. R. Islam, S. Chen, H, Li, T. Xia, J. Ratnasir, P. B. T. P. Kumara, C. S. Lokuhetti, & S. P. Vidanage (2016), Coastal Ecosystem and Changing Economic Activities and Vulnerabilities along Chinese and South Asian Coasts, APN Science Bulletin, Issue 6, April, pp 21-26.

Roy Joyashree, K Mukhopadhyay, D. Ghosh, A Ghosh (2016), Exacerbating Health Risks in India due to Climate Change: Rethinking Approach to Health Service Provision, In book: Handbook of Research on Climate Change Impact on Health and Environmental Sustainability, Edition: first, Chapter: 1, Publisher: IGI Global, Editor: Soumyananda Dinda, pp.1-25. DOI: <https://doi.org/10.4018/978-1-4666-8814-8.ch001>.

2015 (5)

Chakraborty, D; and **Joyashree Roy** (2015), Ecological Footprint of Paperboard and Paper production Unit in India.Environment Development and Sustainability 17(4):909- 921. ISSN: 1387-585X (Print).

Dasgupta S; **Roy Joyashree** (2015), Understanding technological progress and input price as drivers of energy demand in manufacturing industries in India, Energy Policy 83, 1-13. ISSN: 0301-4215.

Dasgupta S; **Roy Joyashree**, (2015), Designing PAT as a Climate Policy in India: Issues Learnt from EU-ETS, In book: Nature, Economy and Society: Understanding the Linkages, Chapter: 16, Publisher: Springer, Editors: Nilanjan Ghosh, Pranab Mukhopadhyay, Amita Shah, Manoj Panda, pp.315-328, DOI: 10.1007/978-81-322-2404-4.

Christoph von Stechow, David McCollum, Keywan Riahi, Jan C. Minx, Elmar Kriegler, Detlef P. van Vuuren, Jessica Jewell, Carmenza Robledo-Abad, Edgar Hertwich, Massimo Tavoni, Sevastianos Mirasgedis, Oliver Lah, **Joyashree Roy**, Yacob Mulugetta, Navroz K. Dubash, Johannes Bollen, Diana U" rge-Vorsatz,19 and Ottmar Edenhofer, (2015). Integrating Global Climate Change Mitigation Goals with Other Sustainability Objectives: A Synthesis, Annual Review of Environment and Resources 40(1) November.

Roy Joyashree (2015), Climate policy rather than politics should be the result, commentary, Environmental Development, February 2015, Available online: 24-FEB-2015, DOI: <https://doi.org/10.1016/j.envdev.2015.02.003>.

2014 (5)

Roy, Joyashree; Rupsa Bhowmick; Manisha Dolui, (2014). Actions for Sustainable Development: Evidence Based Assessment for the State of West Bengal, Arthaniti 13 (1- 2)/2014.

Roy Joyashree, S Dasgupta, (2014). Indian Industries doing their bit to go green (<http://indiaclimatedialogue.net/2014/08/29/indianindustriesbitgogreen/>).

Jana Sebak, **Joyashree Roy**, Buddhi Marambe, Jeevika Weerahewa, Gamini Pushpakumara, Pradeepa Silva, MD. Giashuddin Miah, Ranjith Punyawardena, Sarath Premalal, (2014). Home Gardens in the PaschimMedinipur District of West Bengal in India: A Land Use System with Multiple Benefits. Int. J. of Environment and Sustainable Development,14(2): 191-206 DOI: <https://doi.org/10.1504/IJESD.2015.0686066>.

Roy, Joyashree; Rupsa Bhowmick; Manisha Dolui, (2014). Sustainable Development in India: Updates on Possible Role of States (<http://www.indiastat.com/article/70/Joyashree/article70.html>).

Amrose Susan E., Siva R.S. Bandaru, Caroline Delaire, Case M. van Genuchten, Amit Dutta, Anupam Deb Sarkar, Christopher Orr, **Joyashree Roy**, Abhijit Das, Ashok J. Gadgil, (2014). Electro-chemical arsenic remediation: Field trials in West Bengal, Science of the Total Environment 488–489 (2014) 539–546.

2013(9)

Das. A, **Joyashree Roy**, (2013). Socio-Economic Fallout of Arsenicosis in West Bengal: A Case Study in Murshidabad District. Journal of the Indian Society of Agricultural Statistics, 67(2). pp 273-285 (<http://isas.org.in/jisas/jsp/onlinelatestissue.jsp>).

Roy, Joyashree. 2013. Environmental Development, Artha Beekshanvol 22. No 1, June.

Das., S, S.S. Das, P. Ghosh, S. Pal, A. Dixit, **J Roy**. 2013. Fast Food Choice: What Matters in Indian Megacity, Kolkata. Artha Beekshan vol22.No 1, June.

Chakraborty D, **Roy J**. 2013. Corporate Carbon Footprint Accounting: Estimating Carbon Footprint of an Indian Paperboard and Paper Production Unit. International Journal of Business Insights and Transformation, 6(1):18-26.

Roy, Joyashree, D. Ghosh, A. Ghosh & S. Dasgupta. Fiscal Instruments: Crucial Role in Financing Low Carbon Transition in Energy System. Current Opinion in Environmental Sustainability. 10.1016/j.cosust.2013.05.003. ISSN: 1877-3435.

Chakravarty Debalina, S. Dasgupta, **J Roy (2013)**. “Rebound effect: how much to worry?” Current Opinion in Environmental Sustainability 2013, 5. DOI: <https://doi.org/10.1016/j.cosust.2013.03.001>.

Chakraborty Debrupa, **J Roy**. (2013). “Energy and Carbon Footprint: Numbers Matter in Low Energy and Low Carbon Choices”. Current Opinion in Environmental Sustainability 2013, 5. DOI: <https://doi.org/10.1016/j.cosust.2013.04.001>.

Roy Joyashree, Shyamasree Dasgupta, Debalina Chakravarty. (2013). Energy Efficiency: Technology, Behavior and Development in Andreas Goldthau (Ed.) The Handbook of Global Energy Policy. 2013 (First Edition, pp. 282-302) Wiley-Blackwell(ISBN: 978-0-470-67264-8).

Roy Joyashree, Kapuria Preeti, Datta Satabdi, Guha Indrila, Banerji Rajarshi, Rao Sandhya, Miah, Giasuddin; Chen, Shang; Li, Jingmei; Xia, Tao; Ratnasiri, Janaka; P.B. Terney Pradeep Kumara; Lokuhetti, Chinthaka S.et al. (2013). Coastal Ecosystems and Changing Economic Activities: Challenges for Sustainability Transition

along Chinese and South Asian Coasts. APN Science Bulletin (Asia Pacific Network for Global ChangeResearch) March 2013, no. 3.

2012 (8)

C Daulagala, J Weerahewa, B Marambe, G Pushpakumara, P Silva, R Punyawardena, S Premalal, G Miah, **J Roy**, S Jana (2012), Socio - Economic Characteristics of Farmers Influencing Adaptation to Climate Change: Empirical Results from Selected Home gardens in South Asia with Emphasis on Commercial Orientation. Srilanka Journal of Advanced Social Studies. Vol 2, no 2, pp.71. (<http://www.sljol.info/index.php/SLJASS/issue/view/590>).

Chakraborty, D., **Roy, J.** (2012). Accounting for Corporate Water Use: Estimating Water Footprint of an Indian Paper Production Unit. Journal of Indian Accounting Review, 16 (2), 34 - 42.

Halsnæs, Kirsten, Amit Garg, John Christensen, Helene Ystanes Føyn, Maryna Karavai, Emilio La Rovere & Matthew Bramley & Xianli Zhu, Catherine Mitchell, **Joyashree Roy**, Kanako Tanaka, Hidefumi Katayama, Carlos Mena, Imoh Obioh, Igor Bashmakov, Stanford Mwakasonda, Myong-Kyoon Lee, Marlene Vinluan & Yu Joe Huang, Laura Segafredo (2012), "Climate change mitigation policy paradigms - national objectives and alignments", Mitig Adapt Strateg Glob Change. DOI: <https://doi.org/10.1007/s11027-012-9426-y>.

Gadgil, A, **Joyashree Roy**, S Addy, A Das, Sarah Miller, A Dutta, A Deb Sarkar (2012), "Addressing Arsenic Poisoning in South Asia", Solutions, Sept-Oct, Vol 3, Issue 5 (<http://thesolutionsjournal.anu.edu.au/node/1156>).

Roy, Joyashree, Maniparna Shyam Roy, and Abhinanda Deb (2012) , "Sustainable Development: An Assessment for Paschimbanga." In Indian Economic Development:Contemporary Issues, edited by D N Bhattacharyya, 14-49. New Delhi: Regal Publications.

Dasgupta Shyamasree, **Joyashree Roy**, Amit Bera, Asha Sharma, Pushkar Pandey (2012), Growth Accounting for Six Energy Intensive Industries in India., Journal of Industrial Statistics, Central Statistical Organization (IS Wing), Ministry of Statistics and Programme Implementation. Government of India, Vol. 1 No 1. March pp 1-15.

Pal Barun, SanjibPohit, **Joyashree Roy** (2012), Social accounting martrix for India, Economic Systems Research, Volume: 24, Issue: 01, pages 77 - 99. DOI: <http://dx.doi.org/10.1080/09535314.2011.618824>.

Weerahewa Jeevika, Gamini Pushpakumara, Pradeepa Silva, Chathuranga Daulagala, Ranjith Punyawardena, Sarath Premalal, Giashuddin Miah, **Joyashree Roy**, Sebak Jana and Buddhi Marambe (2012). Are Home garden Ecosystems Resilient to Climatic Change? An Analysis of Adaptation Strategies of Home gardeners in Sri Lanka. APN Science Bulletin., 2: 22-27. ISSN2185-761 (http://www.apn-gcr.org/uploads/bulletin/ScienceBulletin_Issue2_March2012_web.pdf).

2011 (2)

Jayant Sathaye, Oswaldo Lucon, Atiq Rahman, John Christensen, Fatima Denton, Junichi Fujino, Garvin Heath, Monirul Mirza, Hugh Rudnick, August Schlaepfer, Andrey Shmakin, Gerhard Angerer, Christian Bauer, Morgan Bazilian, Robert J Brecha, Peter Burgherr, Leon Clarke, Felix Creutzig, James Edmonds, Christian Hagelüken, Gerrit Hansen, Nathan Hultman, Michael Jakob, Susanne Kadner, Manfred Lenzen, Jordan Macknick, Eric Masanet, Yu Nagai, Anne Olhoff, Karen Olsen, Michael Pahle, Ari Rabl, Richard Richels, **Joyashree Roy**, Tormod Schei, Christoph von Stechow, Jan Steckel, Ethan Warner, Tom Wilbanks, Yimin Zhang, (2011). Chapter in Renewable Energy Sources and Climate Change Mitigation, CUP, UK.

Roy Joyashree, Moumita Roy and Shreya Roy chowdhury, (2011). "Sectoral Approach for Negotiating Climate Change: What is in it for the Indian Economy?"; pp: 265-284; Published in Environment and Sustainable Development edited by Raj Kumar Sen, Deep &Deep publications Pvt. Ltd., New Delhi, India.

2010 (4)

Roy Joyashree and S Dasgupta (2010), The Economics of Nuclear Energy: revisiting Resurrection, Artha Beekshan Vol 19, No 1, June.

Roy J (2010), Iron and steel Sectoral Approaches to the Mitigation of Climate Change, Perform, achieve and Trade (PAT in India) Climate Strategies Briefing paper september 23, (www.climatestrategies.org).

Roy Joyashree, Chhonda Bose, Ranjan Bose, Sarmistha Das, Shobhankar Dhakal, Mitali Dasgupta, Rucha Ghate, Saikat Sinha Roy, Manaswita Konar, Anoja Wickramasinghe, Moumita Roy & Chetana Chaudhuri, (2010). "Development Pathway", in 'Global Environmental Changes in South Asia: A Regional Perspective', edited by A. P. Mitra & C. Sharma, published by Capital Publishing Company, New Delhi. ISBN 81-85589-73-9.

Roy Joyashree, Moumita Roy (2010); "Sectoral Approach: what is in it for the Five Large Developing Countries?" pp: 18- 33 in Climate Change, Society & Sustainable Development , Agenda for Action, Published by: Bennett, Coleman & Co. Ltd., New Delhi, India; Marketed by: Times Groups Books.

2009 (8)

Jana Sebak; **Joyashree Roy** (2009), Marginal Abatement Cost Estimation for Pulp and paper industry in India. ICFAI University Journal of Environmental Economics, VII. No. 2 30-48.

Roy Joyashree (2009) Climate Change and Gender: Challenges and Opportunities for Women's Rights Group, ARROWs for change, Vol 15. No. 1. P 5-6.

Roy Joyashree and S. Fang (2009) Energy Intensive sectors and international trade: Possible sectoral agreements in Trade, Climate Change and Sustainable Development, key issues for small states, least developed countries and vulnerable economies. Ed MK Gueye, M Sell, J Strachan, Published by common wealth Secretariat, London, UK. Pp 131-147

Roy Joyashree (2009), "Managing Environment: Time to Revisit Human Action", in Environmental Pollution on Biosphere and its Management, edited by: Debamitra Mitra & Arup Kumar Mitra, The ICFAI University Press, pp: 60-69.

Roy Joyashree and S. Pal (2009), Lifestyle and climate Change: Link awaiting activation, Current Opinion in Environmental Sustainability, 1:192-200.

Roy Joyashree (2009), Climate Change: International Negotiations and Mitigation Policy, in Edited Volume "Hand Book on Environmental Economics in India" ed: Kanchan Chopra and Vikram Dayal, OUP, New Delhi. Ch 10.

Roy, J., Chatterjee, B., and Basak, S., (2009), "Sustainable Development in India? Who should do what", (<http://www.indiastat.com/article1/01/drjoy/article1.html> downloaded March 27. 2009, <http://www.indiastat.com/article/01/drjoy/fulltext.pdf>).

Worrell Ernst, Lenny Bernstein, **Joyashree Roy**, Lynn Price, Jochen Harnisch, Stephane de la Rue du Can (2009), Industrial Energy Efficiency and Climate Change Mitigation, Energy Efficiency: Volume 2, Issue2, Page 109.

2008 (4)

Roy Joyashree, Bikram Chatterjee, Sruti Basak (2008), Towards a Composite Sustainability Index: How are the states and union territories of India doing? The India Economy Review, Vol V, September 30, pp 54-76 (<http://www.iipmthinktank.com/publications/archive/ier/IER-sept-08.pdf>).

Roy Joyashree (2008), Climate Change Response and Action at Cross Roads: Time to Revisit Clean Development Mechanism (<http://www.tokyofoundation.org/en/sylff/voices-from-the-sylff-community/climate-change-response-at-a-crossroads>).

Roy Joyashree (2008), "An Incentive for Tackling Climate Change", Connecting, April - May 2008, British Council India.

Roy Joyashree (2008), Economic Benefits of Arsenic Removal from Ground Water -A Case Study from West Bengal, India. Science of the Total Environment, (STOTEN), Vol 397/1-3, pp 1-12. DOI: <https://doi.org/10.1016/j.scitotenv.2008.02.007>.

2007 (3)

Roy Joyashree (2007), "De-Linking Economic Growth From GHG Emissions Through Energy Efficiency Route- How far are we in India?", The Bulletin On Energy Efficiency. Vol.7 (Annual Issue 2007), pp 52-57.

Roy Joyashree (2007), Climate Change in The South Asian Context with a Special focus on India: A Review, AEI Newsletter, April, Issue 3, pp 9-21.

Roy Joyashree (2007). Global Warming and Indian Sundarbans: Need for a Systems Approach, Hindu 2007 Survey on Environment.

2006 (5)

Sanstad A.H., **Joyashree Roy**, Jayant A. Sathaye (2006). Estimating Energy – Augmenting Technical Change in developing Country Industries, Energy Economics, Special Issue.

Roy Joyashree , Alan H. Sanstad, Jayant A. Sathaye, Raman Khaddaria (2006), Substitution and Price Elasticity Estimates Using Inter-Country Pooled Data in a Trans log Cost Model, Energy Economics, Special Issue.

Ghosh Anupa and **Joyashree Roy** (2006) Coping with Extreme Climatic Events: Analysis of Household and Community Responses from Selected Hotspots in India, Science and Culture, Special Issue on Flood Disaster, Risk Reduction in Asia, Vol 72. No.1-2, January- February. pp 23-31.

Jana Sebak and **Joyashree Roy** (2006). What Determines Pollution Abatement Effort: Formal or informal Regulation? Case of Pulp and Paper Industry, in West Bengal", in book edited by Joyashree Roy and A Roy Chaudhuri: Development Challenges: Some Analytical Issues, Allied Publishers, Kolkata.

Roy Joyashree, Anupa Ghosh and Gopa Barua (2006), The Economics of Climate Change: A Review of Studies in the Context of South Asia with a Special Focus on India. Submitted to Stern Review (http://www.hm-treasury.gov.uk/independent_reviews/stern_review_economics_climate_change/stern_review_report.cfm).

2005 (3)

Ghosh Anupa and **Joyashree Roy** (2005), Synthesis Report on Floods and Droughts. Science and Culture Vol. 71. No. 7-8. pp 285-287.

Roy Joyashree, Anupa Ghosh, Asis Majumdar, Pankaj Roy, A.P. Mitra, C. Sharma (2005), Socio-economic and Physical Perspectives of Water Related Vulnerability to Climate Change: Results of Field Study in India, Science and Culture, Vol 71, No 7-8, pp 239-259.

Roy Joyashree, Katja Schumacher, Jayant Sathaye, Alan Sanstad (2005), "Analysis of Fuel Input Use and Technical Change in Selected Energy-Intensive Industries in India" in Resource Revisited ed. Gautam Gupta, Allied Publishers Ltd., Kolkata.

2004 (2)

Roy Joyashree, Subhorup Chattopadhyay, Sabyasachi Mukherjee, Manikarnika Kanjilala, Sreejata Samajpati, Sanghamitra Roy (2004), An economic Analysis of Demand for Water Quality: A Case from Kolkata City, Economic and Political Weekly, Vol. XXXIX No 2, January 10-16, pp. 186-192 (<https://www.epw.in/journal/2004/02/special-articles/economic-analysis-demand-waterquality.html>).

Spalding-Fecher R, **J Roy**, Y WANG, W LUTZ –Potential for Energy Efficiency: Developing Nations in Encyclopedia of Energy, 2004.

2003 (2)

Sathaye, J, Scott Murtishaw, Lynn Price, Maurice Lefranc, **Joyashree Roy**, Herald Winkler, Randall Spalding - Fecher (2003), Multi project Baselines for Evaluation of Electric Power Projects, Energy Policy, Vol32/11 pp 1303-1317.

Roy Joyashree and Das, S (2003). "Clean Development Mechanism, Options and Challenges for Indian Power Sector", in Environment and Human Security, ed. P. Bhattacharya and S. Hazra, Lancers Books, New Delhi.

2002 (2)

Roy Joyashree, S Das, Jayant Sathaye, Lynn Price (2002), Estimating Baselines for CDM Case of Eastern Regional Power Grid in India. Environmental Economics and Policy Studies. Vol. 5, No. 2, pp. 121-134.

Dasgupta Mitali and **Joyashree Roy** (2002), "Energy Consumption in India: An Indicator Analysis", Development Alternatives, October, pp 12-13.

2001 (2)

Das Gupta M and **Joyashree Roy** (2001), "Understanding Changes in Energy Consumption by Energy Intensive Manufacturing Industries in India", Staff paper, CSO. Government of India.

Dasgupta, Mitali and **Joyashree Roy** (2001), Estimation and Analysis of Carbon dioxide Emissions from Energy Intensive Manufacturing Industries in India. International Journal of Energy, Environment and Economics Vol 11, no 3, pp165- 179.

2000 (2)

Dasgupta, M and **Joyashree Roy** (2000), Manufacturing Energy Use in India: A Decomposition Analysis, Asian Journal of Energy and Environment, September, Vol 1, No 3. 223-247.

Roy, Joyashree (2000), Rebound Effect: Some empirical evidence from India, Energy Policy, 28, pp433-438.

1999 (3)

Roy, Joyashree, Jayant Sathaye, Alan Sanstad, Katja Schumacher, Puran Mongia (1999), Productivity Trends in Indian Energy Intensive Manufacturing Industries", Energy Journal, no 3, July: pp 33-61.

Roy, Joyashree and Ranjana Mukhopadhyay (1999) "The Changing Structure of the Indian Economy -with Special Reference to Infrastructure and Energy Sectors-An Input-Output Analysis. Journal of Applied Input-Output Analysis,vol 5. pp 39-49.

Ganguli S and **Joyashree Roy** (1999), "Water Pollution Abatement Cost and Tax in the Paper Industry", in Environmental Economics in India- Concepts and Problems, ed. G Gupta and **Joyashree Roy**, 1999, Allied Publishers Ltd., Calcutta 700 032.

1998 (3)

Ghosh, S and **Joyashree Roy** (1998) "Qualitative Input-Output Analysis of the Indian Economic Structure", Economic Systems Research vol. 10 no. 3, pp 263-273.

Roy Joyashree and S.Jana (1998) "Solar Lanterns for Rural Households", Energy-the International Journal, vol.23, no.1, pp 67-68.

Roy Joyashree (1998) "Socio economic Evaluation of the Solar Lantern Programme in rural India", SESI Journal. 8(1)27-36.

1997 (1)

S Bandyopadhyay and **Joyashree Roy** (1997). "Logit Analysis of Private Demand for Elementary Education in India – A case Study Using Household Survey Data", Margin, Oct-Dec.

1996 (1)

Roy Joyashree and S. Gupta (1996), "Cost of Oil Based Decentralised Power Generation in India - Scope for SPV Technology", Solar Energy, vol.57, No 3, pp 231-237.

1995 (4)

Roy Joyashree (1995), "Backup Power Generation in Calcutta Metropolitan Agglomeration", Energy Management, Oct-Dec. pp.3-7.

Sarkar, S. and **Joyashree Roy**: (1995), "Inter fuel substitution During Post oil Embargo Period Case Study of Two energy Intensive Manufacturing Industries in India". The Indian Economic Journal, Oct.-Dec. pp.33-46.

Ganguly, I and **Joyashree Roy**: (1995). "Oil Demand Elasticities in India", Indian Journal of Applied Economics, Oct.-Dec., Vol. 5, No. 1, pp.75-87.

Roy Joyashree; (1995), "Allen or Morishima Elasticities? Some empirical Evidence from Indian Manufacturing Industries." Arthavijnana, March, Vol. XXXVII, No. 1, pp 66-76.

1993 (1)

Roy Joyashree and D. Chakraborty: (1993), "Energy Policy in India - An Overview", The Gulf War and the Energy Crisis in India, Ed. Arun, K. Banerjee, K.P. Bagchi and Co. Calcutta.

1992 (2)

Banerjee S, T.K. Das, **Joyashree Roy**, D. Chakraborty (1992). "Population Growth, Energy Utilisation Pattern and Environmental Degradation - A Micro Study", Demography India Vol. 21, No. 2, pp.281-290.

Roy Joyashree, (1992). "Environmental issues and Women - A Point of View", Newsletter, Indian Association for Women's Studies.

1990 (1)

Das, T.K, **Joyashree Roy** and D. Chakraborty, (1990). "New Technological Options in Energy Sector - cost Burden on Rural Households", Integrated Renewable Energy for Rural Development, Ed. A. Saha, S.K. Saha, M.K. Mukherjee, Tata McGraw Hill Publishing Company Ltd., New Delhi.

1986 (1)

Kar Joyashree and D. Chakraborty (1986), "Interfuel substitution possibilities in Indian Manufacturing Industries - A Translog Approach", *Arthavijnana*, Vol 28, No.2, June.

1982 (4)

Kar Joyashree, (1982). "Towards an Energy Policy for India", *Capital*, Annual No.

Kar Joyashree, (1982). "Economics of Solar Energy", *Capital*, Vol. 188/No. 4707, May.

Kar Joyashree, (1982). "Energy Resource Mobilisation in the Manufacturing Sector", *Eastern Economist*, Vol. 78, No.19, May 14.

Kar Joyashree, (1982). "Energy Dilemma: Economists View Point", *Eastern Economist*, vol. 76, No.19, May 8.

1981 (1)

Kar Joyashree (1981). "Problems and Prospects of Small Scale and Cottage Industries - A Case Study with Special Reference to Jaintia Hills District", *North Eastern Hill Regions in India - Problems and Prospects of Development* Ed. T. Mathew, Agricole Publishing Academy. New Delhi.

Select-Research Reports/Conference Proceedings/Working Papers: (International/National)

- Sathaye, J, Lynn Price, Earnst Worrel, Michale Ruth, Roberto Schaeffer, Marciao Machaedo Costa, Yanjia Wang, **Joyashree Roy**, Sarmistha Das, Herald Winkler, Randall Spalding-Fecher, Yaw afrane-Okase, Ogunlade Davidson. (2000) Multi Project Baselines for Evaluation of Energy Efficiency and Power Projects LBNL report No 48242.
- **Roy Joyashree**, Jayant Sathaye, Alan Sanstad, Katja Schumacher (2001), Patterns of Fuel Input Use and Technological Change in India's Energy-Intensive Industries, in Proceedings of the 24th IAEE International Conference, 2001: An Energy Odyssey, held in Houseton, USA.
- Schumacher Katja, Jayant Sathaye, **Joyashree Roy**, (2001), Productivity Trends and Technological change in Energy Intensive Industries in Brazil, India and South Korea, in Proceedings of the 24th IAEE International Conference, 2001: An Energy Odyssey, held in Houseton, USA.
- Sathaye, J., **J. Roy**, R. Khaddaria, and S. Das, 2005: Reducing electricity deficit through energy efficiency in India: An evaluation of macroeconomic benefits. LBLN-59092. Berkeley, CA, Lawrence Berkeley National Laboratory, (http://www.iioa.org/conferences/15th/pdf/sathaye_roy.pdf).
- **Roy Joyashree**, Anupa Ghosh, Gopa Barua (2006). The Economics of Climate Change, A Review of Studies in south Asia with special reference to India. Submitted to Stern Review on the economics of climate change (http://www.hm-treasury.gov.uk/independent_reviews/stern_review_economics_climate_change/stern_review_report.cfm).

- **Roy Joyashree**, Bikram Chatterjee and Sruti Basak (2007). Towards a Composite Sustainability Index: How are the States and Union Territories of India doing? Working papers series of Global Change Programme, Jadavpur university, GCP-JU/2007/EXC-1.
- **Roy Joyashree**, Bikram Chatterjee, S Basak and K Nandy, (2007). "An Analysis of the Performance of the States and Union Territories of India on the Sustainable Development Pathway"-Summary Report, 2007, Global Change Programme, Jadavpur University, Kolkata, India.
- **Roy Joyashree**, Moumita Roy, et al. (2009) Climate responsible Lifestyle Initiative @ Raj Bhavan – Kolkata.
- **Roy, J.**, Roy, B., Dasgupta S. and D. Chakravarty. (2011). Business Model to Promote Energy Efficiency: Use of Electrical Appliances in Domestic Sector in West Bengal: A Baseline Study, submitted to Energy Conservation and Commercialization Project, Phase III (ECO III), contract no 386-C-00-06-00153-00 by Global Change Programme, Jadavpur University, Kolkata, India (<http://eco3.org/wp-content/plugins/downloads-manager/upload/Report-1038-Bussiness%20Model%20for%20REEC.pdf>).
- Ghosh, D., and **J. Roy**. Approach to energy efficiency among micro, small and medium enterprises in India: Results of a field survey. Working Paper 08/11, UNIDO, 2011.
- Support to the National Water Mission- NAPCC (<http://www.adb.org/Documents/Produced-under-TA/43169/43169-012-ind-dpta-04.pdf>).
- **Roy Joyashree**, D.Ghosh, A. Ghosh, S. Dasgupta and D. Chakravarty (2012), Approaches towards Mitigation and Adaptation with special reference to India's NAPCC and Various Financing Instruments. Submitted to Department of Finance, Government of India, Contract no A 48011/19/2011dt 12.1.2012. by Global Change Programme, Jadavpur University, Kolkata, India.
- Chakraborty, D., **Roy, J**, (2012). "Climate Change Adaptation and Mitigation Strategies: Responses from Select Indian Energy Intensive Industrial Units". In the Proceedings of International Conference on Public Policy and Governance 2012, Vol. I, jointly organized by the Department of Management Studies, Indian Institute of Science, Bangalore and Public Affairs Centre, Bangalore.
- Guha Indrila, Roy Chandan, Banerji Rajarshi, **Roy Joyashree**, Bhattacharya Somnath (2012), Adaptation in case of Inundation of Islands: An Exploratory Study from Indian Sundarbans, Mukhopadhyay.A and Ghosh.S.N. (edited), Climate Security: Perceptions, Challenges and Beyond, UGC Academic Staff College, University of Calcutta.
- Chhetri Netra, Jason Lloyd, Ted Nordhaus, Roger Pielkejr., **Joyashree Roy**, Daniel Sarewitz, Michael Shellenberger, Peter Teague, Alex Trembath (2016). Adaptation for a High Energy Planet, Break through Institute.
- **Roy Joyashree**, Shyamasree, Dasgupta and Debrupa, Chakraborty (2017): Deep decarbonization in industries: what does it mean for India?. In: Lechtenböhmer, Stefan; Knoop, Katharina (Eds.): Realising long-term transitions towards low carbon societies: Impulses from the 8th Annual Meeting of the International Research Network for Low Carbon Societies, Wuppertal Special 53. Wuppertal: Wuppertal Institut für Klima, Umwelt, Energie, 2017, 53-91, Available online: (<http://nbn-resolving.de/urn:nbn:de:bsz:wup4-opus-66360>).

Research Guidance

Ph.D. Thesis – (completed) All are sole supervision unless mentioned in parenthesis.

1. Analysing Economic Structures - With Special Reference to Indian Economy by Santadas Ghosh.
2. A Study on Infrastructure – Economy Interdependence in India: An Input-Output Approach by Ranjana Mukherjee, nee, Chatterjee.

3. Climate Change Policies: Challenges for the Indian Industries by Sarmistha Das.
4. Understanding Changes in Energy Use and CO₂ Emissions from Manufacturing Industries in India by Mitali Das Gupta.
5. Energy Consumption Pattern in Bangladesh by Subrata Bain [Joint supervision with one other JU-Economics Faculty Teacher]
6. Analysis of Oil Demand in India by Indrani Ganguly.
7. Pollution from Paper Industry in India by Sebak Jana [Joint supervision, with one other Engineering faculty –JU teacher].
8. Sustainability, Water Use, Economic Incentives: Case of Greater Calcutta by Monojit Ghosh.
9. Small and Medium Enterprises in India: An Analysis of Funding risks, risk mitigation and sustainable development by Duke Ghosh [joint Supervision with IIM –Joka professor].
10. Extreme Climatic Events: An Analysis of Socio-Economic Vulnerability and Coping Mechanism in Selected Hotspots in India by Anupa Ghosh [joint supervision with Engineering faculty –JU teacher].
11. Accounting for Air and Water Resources: Case Study of West Bengal by Maniparna Shyam Roy.
12. Economic Analysis of Arsenic In water: Case of West Bengal by Abhijit Das.
13. Performance Evaluation of the Indian Industries and Environmental Management Practices by Debrupa Chakraborty.
14. Impact of Green House Gas Emissions on Indian Economy – A SAM Based CGE Modelling Approach by Barun Deb Pal [Joint Supervision with Delhi Based Institute's faculties].
15. Lifestyle and Climate Change: An Empirical Study with Special Reference to India by Shamik Pal.
16. Response of Indian Industries to Sustainability Goals: An Economic Analysis with Special Reference to NAPCC by Shyamasree Dasgupta.
17. Rebound Effect: Empirical Evidence from the Indian Economy by Debalina Chakraborty.
18. Climate Change, Heat Stress and Labour Productivity-An Economic Analysis by Kuheli Mukhopadhyay.
19. Coastal Ecosystem Services and Economic Activities: Understanding Interconnectedness Through a Case Study (Satabdi Datta).

In Progress

1. Low Carbon Development: Alternative Pathways and Financing Mechanisms(Nandini Das)
2. Economics of Mitigation: Case study of Indian Agriculture (Shreya Some).
3. Hasan Mahmud: Energy Sector and Development in Bangladesh: Sustainability Challenges

M. Phil Dissertation

1. Oil Demand Elasticities in India by Indrani Ganguly. 1993.

2. Interfuel Substitution in Selected Indian Manufacturing Industries during Post Oil Embargo Period by Sarbari Sarkar 1993.
3. The Residential Consumption Pattern for Energy in Urban Sector- A case Study of Calcutta Using Consumer Expenditure Survey data, by Soma Dey, 1994.
4. Power - A Study on Decentralised Generation using Survey Data", by Soma Gupta,1994.
5. Inequality in Primary School Participation - Indian Experience by Smritikana Majumdar, 1995.
6. An Analysis of Private Demand for Elementary Education Using Household Survey Data, by Shyamal Banerjee, 1995.
7. Participation at Primary level of Education - an Empirical Study for West Bengal using District Level Data by Nupa Mukhopadhyay, 1996.
8. Environmental Concern and Abatement Policies in India - an Evaluation through End- of-pipe treatment cost analysis for Indian Paper Industry by Subhadra Ganguly, 1996.
9. Energy Use and CO₂ Emissions: Case of Indian Manufacturing Industries by Mitali Dasgupta, 1999.
10. Understanding Energy and emissions intensity in India: by Chetana Chaudhuri 2008.
11. Coastal Inundation and Adaptation Strategy in Indian Sundarbans: A Case Study of Sagar Island. Chandan Roy 2009.
12. Understanding Productivity Growth and Climate Change Mitigation Potential of Iron and Steel Industries in India. Shyamasree Dasgupta 2010.
13. Determination of the Economic Value of Water in Irrigated Agriculture: A Micro Economic Analysis of Blue accounts in the context of Nepal, Jit Prasad Acharayya 2010.
14. Role of Nepalese Forest at Global Context. Raghubir Bista, 2010.
15. Energy Efficiency, Rebound Effect and Energy Savings Potential: Case of West Bengal. Debalina Chakrabarty 2011.
16. Heat stress and Workability, Case study of Street Hawkers of Kolkata. Shalini Mitra 2011.
17. Mitigation: What can West Bengal's Energy Intensive Manufacturing Industries Do?. Gopa Ghosh 2012.
18. Climate Change and Food Security: Issues, Challenges and Opportunities, Amrita Bhanja 2012.
19. Air Pollution in Kolkata City: A Quantitative Analysis. Devdyuti Basu, 2017.
20. Understanding Risk Perception of Households in Arsenic Infested zones: Case study of South 24 Parganas. Sayantani Bagchi, 2017.

(Illustrates Capability to Handle Various Tasks Independently /jointly):

2020

Energy Demand Changes Induced by Technological and Social innovations, sponsored by Research Institute of Innovative Technology for the Earth (RITE-Japan)

2016-2018

Heat Stress and Productivity Loss, Ministry of Environment, Forest and Climate Change. GOI.

2014-16

Commercializing a scalable low-cost arsenic remediation technology for societal impact, IUSSTF (Indo-US Science Technology Forum).

2014

Environmental Fiscal Reform: International Experiences and Relevance for India: target group: Policy makers from various government departments in India. Funded by Ministry of Environment, Forest and Climate Change and Centre of Excellence in Madras School of Economics.

2013-14

- Coastal Ecosystem and Changing Economic Activities: Challenges for Sustainability Transition along Chinese and South Asian Coasts: APN (three country project).
- INDGLOB project, with Centre for International Climate and Environmental Research, Oslo.
- Study of KMC installations for making them most energy, carbon and economically efficient and formulation of recommendations: Kolkata Municipal Corporation

2013-15

Multi-level Governance in climate change: ICSSR, DFG, NOW

2013

Ecosystem Services: Theory and Practice. Capacity building programme for advanced research scholars and young professionals funded by TIFAC. Depart of Science and Technology, GOI.

2012-13

- The Economics of a Low Carbon Kolkata (Mini-stern)' [a part of 'Ten Climate Smart City Programme: Centre for Low Carbon Futures UK.
- Climate change, heat stress and Human productivity: UGC-UPEII
- Coastal Ecosystem and Changing Economic Activities: Challenges for Sustainability Transition along Chinese and South Asian Coasts: APN (four country project).

2012

- Fiscal Instruments for Low Carbon Growth in West Bengal and Odissa,India: UKFCO/BHC
- Climate mitigation, adaptation strategy for South Asia: ADB

2011-2013

- Experimenting for Sustainability in India and Thailand: A Transition Perspective on Sustainable
- Electricity and Mobility Initiatives: WOTRO-NWO

2010

- Role of Experiments in Sustainability Transition in Asia: APN
- Business Model to Promote Energy Efficiency: Electrical Appliances in Domestic Sector in West Bengal: USAID

2009-2010

Energy Scenario Assessment: LBNL

2007

Trade and Climate Change: Case of Small Developing countries: ICTSD

2006

- CGE Modelling for Indian Economy for Climate Policy for India: MOEF-Gol
- Sustainability Indicators and Analysis for Indian Indian Economy: UGC

2003

Natural Resource accounting for West Bengal: Water and air sector: MOSPI-Gol

1998-2003

Nodal Person at Jadavpur University of the Environmental Economics Programme under the World Bank aided India Environmental Economics Capacity Building Programme for group of institution: MOEF,Gol.

2000-2002

Climate Change Policies: Implications for Indian Industries: LBNL

2000

- Energy Indicator Analysis for India: IEA
- Socio-Economic Evaluation of the Gosaba Gasifier Plant: WBREDA, GoWB

1999

- Empirical Support for Integrated Assessment Modellers for Developing Economies: LBNL
- Decentralised Power Generation- An Analysis of Cost and Scope for Renewables in, India: WBREDA, GoWB

1995

Solar Lanterns and Other New Technologies in Rural Areas- An Evaluation of Performance, market and Entrepreneurial Potential: WBREDA, GoWB.

1994

Cost Benefit Analysis of the Solar heating Systems in Khardah Jute Mill and Solar Cookers under Operation in Different Parts of Kolkata:WBREDA, GoWB

1992

- Cost Competitiveness of the Supplementary Power Generating System in Kolkata city: UGC
- Integrated Rural Energy Programme for Gorubathan Block, West Bengal: WBREDA, GoWB

RESEARCH EXPERIENCE AND CURRENT RESEARCH INTEREST: (Since 1980- 2021)

Broad area of research is Resource and Environmental Economics. Major contributions are in the field of Energy demand modeling. The field of application ranges from non-renewable to renewable resources, urban to rural problems. Research focus is more on industry sector and econometric model building, statistical analysis especially for deriving policy implication for developing countries with special reference to the Indian economy. Data base ranging from primary data from field survey to secondary data and macro data such as input-output tables have been used at various stages of research and publications. Focus of current research is more towards Economic and Social Dimensions of Climate Change, Water resource management and multidisciplinary research on sustainable development, social embedding of new innovation.

LANGUAGE & DEGREE OF PROFICIENCY

	Speak	Read	Write
English	Excellent	Excellent	Excellent
Hindi	Excellent	Excellent	Excellent
Bengali	Excellent	Excellent	Excellent
Assamese	Excellent	Excellent	Excellent

MEDIA PRESENCE (In YouTube/TEDx talks/podcast/newspapers/online media)

- http://www.youtube.com/watch?v=YhJ_Q-uuK4
- http://studium.webhosting.rug.nl/images/stories/archief/archief_geluidsbestanden/2010/voorjaar/EconomiesRoy.mp3
- <http://thebreakthrough.org/index.php/programs/energy-and-climate/understanding-energy-efficiency-rebound-interview-with-joyashree-roy/>
- <http://vimeo.com/75470291>
- <http://indiaclimatedialogue.net/2014/08/29/indian-industries-bit-go-green/>
- <https://www.youtube.com/watch?v=tFZhqv3Egvo>
- <http://social.yourstory.com/2016/03/engineers-water-filter-arsenic/>
- http://www.business-standard.com/article/pti-stories/engineers-develop-water-filter-to-remove-arsenic-116032500287_1.html
- (<https://www.youtube.com/watch?v=EQ56sFXpHb8>)
- <https://www.youtube.com/watch?v=5Bvrlv6rI9c>
- https://youtu.be/_iFgHtgzJjk
-
- <https://www.youtube.com/watch?v=ACL2uILX49A>
- <https://www.youtube.com/watch?v=nSqr2zLKh1o&sns=em>
- <https://www.youtube.com/watch?v=9q-2MEAairE> (TEDxJU)
- <http://juicethemovie.com/voices/> (documentary)
- <https://twitter.com/juiceforall>
- <https://www.youtube.com/watch?v=n-D2UACR7Dg> (Helsinki-WIDER)
- Power hungry: <https://powerhungrypodcast.buzzsprout.com/1157633/4547426-joyashree-roy-ipcc-author>
- <https://www.youtube.com/watch?v=TTFgCa1mE90>
- **Webinar on Covid19+Adamas:** https://www.youtube.com/channel/UCIK57b1XXOh7B7ubm_Ja_tg
- (2018) SNV: <http://www.snv.org/update/we-need-talk-about-climate-change-every-day>
- (2018) HT: <https://www.hindustantimes.com/editorials/greater-collective-ambition-is-the-need-of-the-hour-to-tackle-global-warming/story-uADHJIU30RBKDO4rFvWhcL.html>
- (2018) Arsenic news: <https://www.thebetterindia.com/166611/clean-drinking-water-arsenic-bengal-india-news/>
- (2017) <https://www.youtube.com/watch?reload=9&v=JlqAfPKr2Vk>
- (2019): Agriculture: <https://india.mongabay.com/2019/05/study-maps-rise-in-non-co2-emission-from-cropland-based-agriculture-over-30-years/>

Active participation in overseas research collaboration/post-doctoral research/short term advanced course participation/ research assignments/ conference/meeting/workshop/keynote addresses/invited lecture/global report writing meetings:

Year	Country	Institute/city	Purpose

1997	USA	Lawrence Berkeley National Laboratory, California	Post Doctoral fellow
		New York University	Paper presenter, I-O Conference
	Canada	Quebec city	Paper presenter, IAEE Conference
1998	USA	Lawrence Berkeley National Laboratory, California	Post Doctoral fellow
1999	USA	Lawrence Berkeley National Laboratory, California	Invited Visiting Researcher
2000	USA	Lawrence Berkeley National Laboratory, California	Invited Visiting Researcher
	Italy	Macerata University	Session Chair, Paper presenter, I-O conference
	France	International Energy Agency, Paris	Invited Visiting Researcher
	Netherlands	Hague	Group Research presentation, COP6 of UNFCCC
	Switzerland	Zurich Institute of technology	Invited speaker

	Nepal	Kathmandu	Paper presenter, SANDEE conference
2001	USA	Lawrence Berkeley National Laboratory, California	Invited Visiting Researcher
	Netherlands	Amsterdam	Invited speaker-Kyoto Network conference
2002	USA	Lawrence Berkeley National Laboratory, California	Invited Visiting Researcher
	Thailand	Asian Institute of Technology, Bangkok	Paper presenter, SANDEE conference
	Bangladesh	Dhaka	Research group presentation -APN conference
	Bangladesh	Dhaka	Paper presenter, SANDEE conference
	Canada	Montreal	Session organizer, Chair, paper presenter, I-O conference
2003	USA	Lawrence Berkeley National Laboratory, California	Invited Visiting Researcher
		San Diego State University	Invited speaker-APN workshop
	Nepal	Kathmandu	Invited speaker-APN workshop
	Sri Lanka	Colombo	Paper presenter, SANDEE conference
	Bangladesh	Dhaka	Resource Person – SANDEE research & training (R&T) workshop

	Thailand	Asian Institute of Technology	Advanced Course participant-SANDEE conference
2004	USA	Lawrence Berkeley National Laboratory, California	Invited Visiting Researcher
		Howard University, Washington DC	Invited Collaboration meeting
	Nepal	Kathmandu	Resource person-SANDEE R&T workshop
	France	CERNA, Ecole de mines, Paris	Invited speaker in DEMATEEDE research collaboration
	UK	Natural Research Institute, Kent	Invited speaker, Research collaboration
	Japan	Tokyo	IPCC -CLA of AR4 meeting
	Germany	Leipzig	IPCC-CLA of AR4 meeting
2005	USA	Washington, DC	IPCC -CLA of AR4 meeting
	Peru	Lima	IPCC -CLA of AR4 meeting

	Philippines	Manila	Invited speaker-SYLFF-TKFD meeting
	Bangkok	Chiang Mai	Invited speaker, APN workshop
	Ghana	Accra	Invited speaker-DFID Project meeting
	Sri Lanka	Colombo	Invited speaker-APN, START workshop
		Tea Research Institute	Invite speaker-Research collaboration
Zambia	Lusaka	Project partner -DFID Project meeting	
2006	South Africa	Cape Town	IPCC -CLA of AR4 meeting
	China	Beijing	IPCC -CLA of AR4 meeting
	Japan	Osaka, St Andrews University	Invited lecture
		Tokyo	Invited speaker and session chair-World Bank Annual Conference for Development
	UK	London, HM Treasury NRI, Chatham	Invited in Stern review Committee Meeting Invited lecture and Meeting with Project collaborators
USA	New York University	Paper Presentation at North American Productivity Conference	

	France	Paris	IPCC Meeting
	Singapore	Lin Qua School of Public Policy	Invited to World Bank and IMF meeting and Workshop by RAD
	Russia	Leontief Centre	Invited Lecture in Centenary celebration
	New Zealand	Christchurch	IPCC -CLA of AR4 meeting
2007	Denmark	Copenhagen	SYLFF Directors Meeting
	Thailand	Bangkok	IPCC-AR 4 Approval session
	Slovenia	Bled	Invited reviewer, chair, jury, World Bank ABCDE Conference
	Germany	Bochum	Invited observer at SYLFF Regional Forum
	Maldives	Male	APN-project Inception Workshop
	South Africa	Cape Town	Invited speaker IPCC-AR4 dissemination workshop
2008	Thailand	Bangkok	SANDEE Workshop

		Chiang Mai	Invited participant-Workshop, Sustainability Transition
	Netherlands	Tilberg	Ph. D thesis examination
		IPCC TSU	Invited Seminar on “climate change and Indian economy”
		Utrecht University	-Do-
	Japan	Tokyo	IPCC –AR4 Dissemination workshop
	Austria	Vienna	Global Energy Assessment workshop of IIASA
	South Africa	Cape Town	Jury member-ABCDE World Bank
	Spain	Seville	Keynote paper- International Input-Output Conference
	Philippines	Manila	Invited speaker- Climate change: media training workshop by EEPSEA
	Switzerland	Geneva	Invited -UNEP-ADAM workshop on trade and climate change
	Austria	Vienna	Workshop -GEA
	France	Paris	Invited for consultation-World Bank Vice Presidency
	Netherlands	Hague	Invited speaker-World Bank Climate Change and Development

	Germany	Berlin	Invited for brain storming-World bank workshop on World Development Report
	UK	Cambridge	Project leaders meeting of Climate strategy
	France	Paris	World Bank meeting on Low Carbon Pathway
2009	Austria	Vienna	Global Energy Assessment Council Meeting.
	Denmark	Copenhagen	Invited Panelist in Climate change congress
	Japan	Osaka	Invited lecture series- Momoyama Gakuin University
	Canada	Toronto	Invited Lecture-York University
	Austria	Vienna	Executive committee meeting
	Germany	Bonn	Session chair and paper presenter-IHDP Meeting

	Mexico	Curnavaca	GRUNHE Network Meeting
	Japan	Osaka	Invited- Momoyama Gakuin University
	UK	London	Invited participant-ESRC Meeting in LSE
	Kenya	Nairobi	GRUNHE /ICUH Conference 2009
	Austria	Vienna	GEA ExComm meeting
2010	Netherlands	Groningen	Invited Public lecture on Indian Economy, Groningen university, School of Economics and Business
		Utrecht University	do
	France	Paris	Meeting at World Bank Vice Presidency
	Italy	Milan	GRUNHE meeting
	Switzerland	Zurich	ETH –invited lecture
	Austria	Vienna	GEA Ex-Committee Meeting
	Sweden	Stockholm	Chair and Jury Board member- ABCDE world bank
	UK	Cambridge	Invited Visiting Scholar at Faculty of Economics
	USA	LBNL, California	Invited Visiting researcher
	Belgium	Liege	IPCC meeting
	Japan	Beppu	Invited speaker-TKFD meeting

	Nepal	Kathmandu	Invited paper-SANDEE-conference
2011	Malaysia	Kuala Lumpur	APN meeting
	Germany	Hamburg	LOICZ steering committee meeting
	Austria	Vienna	Executive council meeting- GEA
	Bangladesh	Dhaka	Invited paper-Workshop on Water resource
	China	Beijing	Invited to IEA meeting on WEO
	Thailand	Bangkok	Invited participant -SANDEE Policy workshop
	Australia	Melbourne	Invited lecture-Monash University-Monash Sustainability Institute
	China	Yantai	Invited lecture, session organization and chair LOICZ- OSC, YLF

	Bangladesh	Tangail	Resource person-SANDEE- capacity building programme
	China	Yixing	Invited paper-SCOPE
	Russia	Moscow	Invited Paper-Climate change adaptation (GOI)
	Netherlands	Amsterdam	Invited participant-Climate- Nitrogen
2012	New Zealand	Wellington	IPCC meeting
	UK	London	Paper presenter-Planet Under Pressure Paper presentation
	USA	Washington DC	IPCC meeting
	Pakistan	Islamabad	Invited speaker-SDPI and SANDEE – capacity building programme
	China	Taiyuan	Paper presentation- Environmental Development
	Spain	Vigo	IPCC lead authors' Meeting
	Malaysia	Kuala Lumpur	Invited member in brainstorming -Future Earth-regional Vision
2013	Netherlands	Eindhoven	Paper presenter a special seminar speaker-Workshops: on Mobility and Bio-fuel Transitions, Eindhoven University
	USA	Washington DC	Invited participant-Workshop: Energy access, Arizona State University

	Germany	Berlin	IPCC special meeting
	USA	California	Invited chapter author-GEA Launch by Stanford University. ECAR and DIL executive committee meeting at UCB and LBNL, Berkeley
	USA	California	Invited participant-Breakthrough Institute Annual Conference
	Ethiopia	Addis Ababa	IPCC AR5 meeting
	Japan	Yokohama	Invited speaker-LoCAR net annual conference
	Brazil	Rio de Jenerio	LOICZ SSC meeting
	Sweden	Stockholm	UNEP –Gap report meeting
	USA	New York	UCCRN Inception meeting
	Germany	Potsdam	IPCC meeting: SPM/TS

	South Korea	Seoul	Invited speaker-International Conference on Climate Change Policy Coordination and Policy Mix
	Netherlands	Eindhoven	Invited speaker-Role of climate models workshop
2014	Canada	Montreal	Invited participant-CIFAR Life in Changing Ocean Meeting
	South Africa	Cape Town	Invited speaker-Development and Mitigation forum
	Sri Lanka	Colombo	Invited speaker-South Asian Meet on Higher education of British Council
	Thailand	Pattaya	Invited paper presenter, session chair- ICUE 2014
	Germany	Berlin	IPCC AR 5 approval session
			Multi level governance network meeting
	Thailand	Chiang Mai	WOTRO Network Workshop
	Germany	Bonn	Invited speaker-UNFCC-SED
	USA	California	Keynote address-Breakthrough Dialogue
	Pakistan	Islamabad	Invited speaker-IPCC AR 5 dissemination workshop
	Uganda	Kampala	Invited -IPCC AR5 dissemination workshop

	Germany	Potsdam	Invited Paper -Multi level Governance Dialogue
	Thailand	Bangkok	CGIAR-CCAFS workshop
	Indonesia	Jakarta	Invited speaker -IPCC AR 5 dissemination workshop
	Netherlands	Amsterdam	Project partner Multilevel governance workshop
2015	Sri Lanka	Gaulle	APN project workshop
	Thailand	Bangkok	Invited paper at Regional Forum on Climate Change (RFCC) - Low Carbon and Climate Resilient Societies: Bridging Science, Practice, and Policy
	Germany	Potsdam	Invited speaker at IASS
	USA	California	Invited speaker at Breakthrough Dialogue
	Norway	Stavanger	Indo-Norway Project meeting

	Pakistan	Lahore	IPCC dissemination meeting
2016	Nepal	Kathmandu	ICIMOD-HIMAP write shop for authors
	Norway	Oslo	IPCC AR6 media and workshop on How to communicate Climate Change Related scientific messages to public
	Norway	Oslo	Invited lecture at PRIO-Climate Governance, Case study of India : Multilayered Complexities
	Belgium	Ghent	TEDx talk
	USA	California	Breakthrough Dialogue 2016
	Nepal	Kathmandu	HIMAP, authors meeting, co-chair of scenario session
	Switzerland	Geneva	IPCC meeting –invited lecture on social transition 1.5 Degree world and session co-chair on Implementations
	Russia	St Petersburg	EMEICS –Invited Lecture on Coastal risks and adaptation
	Sweden	Stockholm	Future-Earth and IPCC meeting on Sustainable development, Invited session co-chair on Solutions
	Germany	Wuppertal	IGES meeting on Lowcarbon network, chair and invited lecture on deep decarbonisation in Indian industries
	Norway	Stavanger	Invited speaker on possible renewable future for India

	USA	Washington -DC	EEG -Theme lead author
	Hungary	Budapest	Water Summit
2017	Brazil	Sao Jose de campos	IPCC SR 1.5 meeting
	Nepal	Kathmandu	IPCC dissemination workshop HIMAP author meeting
	Ethiopia	Addis Ababa	IPCC Ar6 Scoping Meeting
	USA	California	Stanford Energy Forum, Breakthrough Dialogue 2017
	UK	Exeter	IPCC 1.5 Special Report author meeting
	Switzerland	Interlaken	Global Carbon Project Meeting
	Japan	Tokyo	Workshop on Global Stock Take
	Sweden	Malmo	IPCC 1.5 Report author meeting

	Germany	Bonn	COP 23 Side event speaker
2018	Canada	Edmonton	Cities and Climate Change
	Botswana	Gaborone	IPCC 1.5 Report writing meeting
	Sweden	Lund	Invited Speaker: Decarbonising Industries
	France	Paris	IPCC 1.5 report writing meeting
	Sweden	Stockholm	Global Carbon Project Steering Committee meeting
	USA	Cavallo Point	Breakthrough Dialogue 2018
	Bangladesh	Dhaka	Invited Speaker: Power & Energy Week 2018
	Japan	Nara	Invited speaker: Demand Side Solutions for Climate Change
	USA	Palo Alto	Editorial Board Meeting of ARER
	South Korea	Incheon	Approval session: IPCC Special Report on 1.5C Global Warming
	USA	Portsmouth, NH	Invited speaker:
	USA	Aspen, CO	Invited speaker: Technologies and Policies to Decarbonize the Industry Sector
	Poland	Katowice	COP 24
2019	Bangladesh	Dhaka	Invited talk on Energy, sustainability and climate responsiveness: challenges for developing economies

	Mongolia	Ulanbaatar	IPCC 1.5 special report dissemination panelist
	Cambodia	Siem Reap	IPCC 1.5 special report dissemination panelist
	Myanmar	Naw pyi Taw	IPCC 1.5 special report dissemination panelist
	UK	Edinburg	IPCC 6 th assessment report Lead author meeting
	UK	London	Interview in BBC
	USA	Berkeley	LBNL visiting scholar
			Breakthrough Institute Dialogue
	Bangladesh	Dhaka	Invited Keynote talk on Energy transitions in climate change context - implications for Bangladesh
	Germany	Wuppertal	Wuppertal Institute International Advisory Committee Meeting

	Austria	Vienna	ICTS conference speaker: Deep decarbonization in industries
	Singapore	Singapore-Santosa	IPCC Synthesis scoping meeting
	Malaysia	Kuala Lumpur	IPCC dissemination meeting
2020	Bangladesh	Dhaka	Keynote address at EWU:
	Myanmar	Yangon	Keynote presentation invited by 5 th International Forum by NIES, Japan
	Portugal	Faro	IPCC WGII Lead Author Meeting 3
	Japan	Tokyo	Alternative Pathways toward sustainable development and climate stabilisation
		PANDEMIC COVID19	