

Joyashree Roy

Permanent Address

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

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.

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Twitter: @Joyashree9

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URL:

<https://smartscenter.ait.ac.th/>

<https://www.researchgate.net/profile/Joyashree-Roy>

<https://www.linkedin.com/in/joyashree-roy-716722182/>

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.

Organisations 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

Founder Director 2022 August – Founder Director, South and South East Asia Multidisciplinary Applied Research Network for Transforming Societies of Global South, School of Environment Resource and Development, Asian Institute of Technology, Thailand

Responsible for framing and leading research on social transformation and role of technology, infrastructure and socio-cultural factors and human behaviour with special reference to economies of global South.

2018 August-2022 July: Bangabandhu Chair Professor at Asian Institute of Technology, Thailand

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.

2022 August: Professor of Economics, Jadavpur University, Kolkata, India

2002-2018 July: 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.

2003-2018: SYLFF (Rioyichi 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 were.

- 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.
- Organisation 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-urge-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%9Crge-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 masters 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 TRAINING

- 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

- **2023 October:** *Listed among the world's top 2% of influential scientists in the field of Energy as per rankings published by Stanford University on 4th October 2023*
- **2021 Paradigm Award recipient**
Link to Breakthrough Page
<https://thebreakthrough.org/articles/2021-paradigm-award-winner>

AIT site
<https://www.ait.ac.th/2021/05/voice-for-global-south-joyashree-roy-named-2021-paradigm-award-winner-for-work-on-energy-efficiency-rebound-effect-equity/>
- **2018 February:** TEDxJadavpur University Talk, <https://www.youtube.com/watch?v=9q-2MEAairE>
- **2016 June:** TEDxGhent 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. http://psipw.org/index.php?option=com_content&view=article&id=320&Itemid=284
http://psipw.org/index.php?option=com_content&view=article&id=319:prize-council-announces-winners-for-the-5th-award&catid=2:news-a-events&Itemid=26,
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 Laboratory, Environmental Energy Technology Division, and MS 90-4000, One Cyclotron Road, Berkeley, CA 94720, USA (1997-98).

ADVISORY ACTIVITY

- Member: Climate Advisory Board, Elsevier
<https://www.elsevier.com/about/corporate-responsibility/climate-action>
- Board Member : Climate Strategies
- Member: Project Steering Committee of EmPower - Women for Climate Resilient Societies UNEmpower, UN Women Regional Office for Asia and the Pacific
- Member : Future Earth Academy
- Member-International Advisory Board: Wuppertal Institute. Germany
- Member-International Advisory Board: Netherlands Institute for Advanced Study in Humanities and Social Sciences.
- Founder Advisor, Global Change Programme and JU SYLFF programme of Jadavpur University. India.
- Member of *Standing Committee on Industrial Statistics (SCIS)*, National Statistical Commission, Government of India, Ministry of Statistics and Programme Implementation.
- Chairperson, Environmental Statistics for Indian Industries, CSO, Government of India, Ministry of Statistics and Programme Implementation.
- TIFAC. National Committee, Government of India.
- Member of the Statutory Body (terms completed) :SEAC- *State Level Environment Assessment Committee* of the Govt. of West Bengal, *Central Electricity Regulatory Commission*, New Delhi, India, Climate Change consultative group for equity at MOEF, GoI., Member Executive Council (Chancellor's Nominee) : Vidyasagar University, Governing Body Member -Vice President -SaciWATERs,www.saciwaters.org, UGC-India : Expert Committee for Minor and Major Research projects in Economics, Expert Committee Member of SAP/DRS/CAS in Economics, National Institute of Technology: Governing Body member of VNIT, Member of doctoral committees/faculty selection committees in universities (India and overseas), IITs, IISC, ICSSR centre, State and Central Universities .
- Honorary Fellow:
 - Senior Fellow with the Breakthrough Institute, USA
- Steering/ Advisory Committee Member: (Past /terms completed)
 - LOICZ, (*Land Ocean Interaction Coastal Zone*) Global Network.

- SAARC Climate Change Committee
 - UCCRN (Urban Climate Change Research Network), coordinated by Columbia University, USA
 - DIL, Development Impact Laboratory, UCB and LBNL, USA
 - LIGTT, UCB and LBNL, USA
 - Climate Strategies, UK
 - Environmental Progress
 - Global Commission on Adaptation (<https://gca.org/global-commission-on-adaptation/about>)
 - Member: Expert Group of the High Level Panel for a Sustainable Ocean Economy.
- Associate Editor/Editorial Board/ Editorial Council/Member of Journals
 - Annual Review of Environment and Resource (ARER) (<https://www.annualreviews.org/db/directory?0000,energy>)
 - Climate Policy (<https://www.tandfonline.com/action/journalInformation?show=editorialBoard&journalCode=tcpo20>)
 - Current research in environmental sustainability (completed the term) (<https://www.journals.elsevier.com/current-research-in-environmental-sustainability/editorial-board>)
 - Current Opinion in Environmental Sustainability (<https://www.journals.elsevier.com/current-opinion-in-environmental-sustainability/editorial-board>)
 - Development Engineering <https://www.journals.elsevier.com/development-engineering/editorial-board>
 - Environmental Development (<https://www.journals.elsevier.com/environmental-development/editorial-board>)
 - Energy Economics (completed the term)
 - Environmental Economics and Policy Studies (EEPS) <https://link.springer.com/journal/10018/editorial-board>
 - Global Transitions (<https://www.sciencedirect.com/journal/global-transitions/about/editorial-board>)

- Peace and Sustainability <https://www.sciencedirect.com/journal/peace-and-sustainability/about/editorial-board>
- PLOS: Climate. <https://journals.plos.org/climate/s/editorial-board>
- PLOS: Process Integration and Optimization for Sustainability (<https://www.springer.com/journal/41660/editors>)
- Progress in Energy (<https://publishingsupport.iopscience.iop.org/journals/progress-in-energy/editorial-board/>)
- The Journal of Industrial Statistics (<http://www.csoisw.gov.in/cms/cms/Files/197.pdf>)

LIST OF ALL PUBLICATIONS

h-index:

33 (SCOPUS); as of August 08, 2026 (The *h* Index considers Scopus articles published after 1995.) (citations: 5415)

57 (Google Scholar, all) as of August 08, 2026 (citations: 48797)

Books/Articles/Reports:

A. Books authored (1)

1992

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

B. Books/ Coauthored (5)

2022 Dey Dipayan and Joyashree Roy (2022), Biorights, The neo-economic conservation paradigm for global south, ISBN 978-3-030-91502-5 ISBN 978-3-030-91503-2 (eBook) <https://doi.org/10.1007/978-3-030-91503-2>

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.

C. Contribution in International High Impact Global/Regional/National Assessment Reports (14)

2019-2022

IPCC Sixth Assessment Report (AR6, Chapter 5 coordinating Lead Author) [Core writing team member]

2023

- Lee H, et al. (2023) Synthesis report of the IPCC sixth assessment report (AR6) Summary for Policy Maker (<https://www.ipcc.ch/report/ar6/syr/>) .
- Lee H, et al. (2023) Synthesis report of the IPCC sixth assessment report (AR6) Full Report ((<https://www.ipcc.ch/report/ar6/syr/>)).

2022

- 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

2021

Roy, J. et al. (2021) Critical Junctions on the Journey to 1.5°C: The Decisive Decade. London/The Hague: Climate Strategies. <https://mission2020.global/wp-content/uploads/2021/05/Critical-Junctions-on-the-Journey-to-1.5C.pdf>

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>. (team of authors : Hoegh-Guldberg. O., et al.)

2017 -2018

- a. **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. <https://www.ipcc.ch/report/sr15/chapter-5-sustainable-development-poverty-eradication-and-reducing-inequalities/>
- b. **The Hindukush Himalaya Assessment Report** (Coordinating Lead Author of chapter 4: Exploring Futures of the Hindukush Himalaya: Scenarios), 2018, Springer, Open access. <https://lib.icimod.org/record/34383>

2019-2022

IPCC Sixth Assessment Report (AR6, Chapter 5 coordinating Lead Author) and Synthesis report (Core writing team member)

2014

IPCC Report (Coordinating Lead Author) -Fischelick, 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

- i. **IPCC Report (contributing author):** IPCC 2012, Renewable Energy sources and Climate Change Mitigation, Special Report of the IPCC, Cambridge University Press. US.
- ii. **UNIDO Report:** Industrial Development Report 2011: (coauthor)
http://www.unido.org/fileadmin/user_media/Publications/IDR/2011/UNIDO%20IDR%20report%20for%20web%2020912.pdf
- iii. **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.

iv. 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.

D. Books Edited/co-edited

- 2022** “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)
- 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, ManasRanjan Gupta).
- 1999**
“*Environmental Economics in India- Concepts and Problems*”, 1999, Allied Publishers Ltd., Calcutta 700 032. (co-editor, Gautam Gupta).

E. Journal guest editor :

- i) Guest Editor of: *Environmental Research Letters*, Volume 19, Number 4 Focus on Demand-Side Solutions for Transitioning to Low-Carbon Societies. 2024.
<https://iopscience.iop.org/journal/1748-9326/page/Demand-Side-Solutions>
- ii) Guest Editor of : *Special Issue on Energy Systems of Current Opinion in Environmental Sustainability* 2013, 5.[Co editors : S. K. Ribeiro,Diana Urge-Vorsatz, Maria Josefina Figueroa].
- iii) Guest Editor of: *Bangabandhu Special Issue V 1. of International Energy Journal on Energy, Disaster, Climate Change: Sustainability and Just Transitions in Bangladesh* (2020) [Co editors: Joyashree Roy, Sheikh Tawhidul Islam, Indrajit Pal]
<https://www.bangabandhu-chair-ait.org/bangabandhu-chair-special-issue-1>
- iv) Guest Editor of: *Bangabandhu Special Issue V 2. of International Energy Journal on Energy, Disaster, Climate Change: Sustainability and Just Transitions in Bangladesh* (2021) [Co editors: Joyashree Roy, Sheikh Tawhidul Islam, Indrajit Pal]
<https://www.bangabandhu-chair-ait.org/bangabandhu-chair-special-issue-2>

- v) Guest Editor of: *Ecomodern Justice, Breakthrough Journal* No.14., Summer, 2021
(coeditor : Joyashree Roy and Chris Foreman) <https://thebreakthrough.org/journal/no-14-summer-2021>

F. Articles in Books and Journals:

Papers in Peer Reviewed Journals/**Book chapters** /**Other Journals**/**Discussion Paper**: (201)

2026 (6)

- Nahid, F. A., Desai, N., & Roy, J. (2026). Energy system modeling in South and Southeast Asia: Progress, gaps, and opportunities. *Energy Reports*, 15, 109377. <https://doi.org/10.1016/j.egyr.2026.109377>
- Roy, J., Mahmud, H., & Nahid, F. A. (2026). Past trends, alternative futures, and energy demand scenarios for Bangladesh. *Sustainability Science*. <https://doi.org/10.1007/s11625-026-01833-9>
- Zhang, J., Johnson-Wang, M., Khanna, N., Van Valkengoed, A. M., Xu, M., Mastrucci, A., Jia, X., Pan, Y., Steg, L., **Roy, J.**, & Zhou, N. (2026). Housing for well-being with minimal energy and material demand. *Nature Reviews Clean Technology*. <https://doi.org/10.1038/s44359-026-00159-0>
- **Roy, J.**, Thongprasert, S., Panwar, P., Prabowo, A., Datta, S., & Chatterjee, J. S. (2026). Transition to Circular Plastic Economy: How It Is Unfolding in Developing Countries. *Circular Economy and Sustainability*, 6(2), 93. <https://doi.org/10.1007/s43615-026-00851-0>
- Pachauri, S., Brutschin, E., Gidden, M. J., Hasegawa, T., Hejazi, M., Jiang, K., Kikstra, J. S., Krey, V., Lamb, W. F., Mintz-Woo, K., Nauels, A., Pelz, S., Rogelj, J., **Roy, J.**, Schaeffer, R., Scheffing, K., Sokona, Y., Tavoni, M., Van Ruijven, B., ... Riahi, K. (2026). Advancing representations of equity and justice in climate mitigation futures. *PLOS Climate*, 5(2), e0000763. <https://doi.org/10.1371/journal.pclm.0000763>
- **Roy, J.** (2026). Opportunities for South and Southeast Asian Countries to Prosper in a Carbon-Constrained World. In S. Ma, D. B. Rahut, T. Sonobe, & D. Suryadarma, *Navigating Asia's Path to a High-Income and Sustainable Future* (pp. 321–338). Asian Development Bank Institute. <https://doi.org/10.56506/JSHL1221>

2025 (10)

- Dey, D., **Roy, J.**, Islam, R., & Dey, M. (2025). Socio-ecological approaches in the science of pricing ecosystem services: A perception-based study in some wetlands of Asia and the Pacific. *APN Science Bulletin*, 15, 68. <https://doi.org/10.30852/sb.2025.2889>
- Nahid, Firuz Ahamed, **Joyashree Roy**, Weerakorn Ongsakul (2025) National scale electricity sector model to strategize national clean energy transition, *Energy Strategy Reviews*, Volume 61, ISSN 2211-467X, <https://doi.org/10.1016/j.esr.2025.101868>.
- Nahid, F.A., Ongsakul, W., Singh, J.G. , **Roy, J.** (2025), Forecasting and Optimal Scheduling of Electric Vehicle Charging Demand: A Cluster and Decomposition-Based Optimized Hybrid Approach. *Arab J Sci Eng.* <https://doi.org/10.1007/s13369-025-10559-2>.
- **Roy, Joyashree**, Das, N. Dasgupta, S. Some, S. (2025) It Is Possible to Maintain Economic Growth While Reducing Energy and Emissions Growth: How to Measure? In (Ed) *Economics of the Energy Crisis*, <https://doi.org/10.4324/9781003253419-13>.

- Günther, A., Engel, L., Hornsey, M.J. .. **Joyashree Roy**.. et al. Psychological and contextual determinants of clean energy technology adoption. Nat. Rev. Clean Technol. (2025). <https://doi.org/10.1038/s44359-025-00075-9>. (<https://rdcu.be/epJUS>)
- Chatterjee, J. Sirayuth Thongprasert, Parimita Mohanty, **Joyashree Roy**, (2025), Toward Gender and Climate Justice: Women, Climate Action Projects for Accelerated Transition, and Transformative Change in the Global South. in (Ed) , *The Oxford Handbook of Climate Action*. <https://doi.org/10.1093/oxfordhb/9780197762097.013.0024>.
- Schaeffer et al., Ten new insights in climate science 2024, One Earth (2025), <https://doi.org/10.1016/j.oneear.2025.101285>
- Simangan Dahlia, Joshua Fisher, Tobias Ide, Vally Koubi, Ayyoob Sharifi, Katherine Alfredo, John Lee Candelaria, Simon Dalby, Cullen Hendrix, Ali Kharrazi, Úrsula Oswald-Spring, **Joyashree Roy**, (2025) Twelve research agendas for advancing the peace-sustainability nexus, *Peace and Sustainability*, Volume 1, pp 1-13, Issue 1, 2025,100008, ISSN 2950-6425, <https://doi.org/10.1016/j.nerpsj.2025.100008>.
- Mohanty, P., Pal, I. and **Roy, J.** (2025), "Improving community resilience through distributed solar energy as critical infrastructure – a case study of South Asia", International Journal of Disaster Resilience in the Built Environment, Vol. 16 No. 3, pp. 309-327. <https://doi.org/10.1108/IJDRBE-02-2023-0039>
- Nahid Firuz Ahamed, **Joyashree Roy**, PyPSA-BD (2025), A customized model to explore decarbonized energy transition for developing country, Renewable Energy Focus, Volume 52,2025,100655,ISSN 1755-0084, <https://doi.org/10.1016/j.ref.2024.100655>.

2024 (10)

- Nahid, F. A., & **Roy, J.** (2025). PyPSA-BD: A customized model to explore decarbonized energy transition for developing country. Renewable Energy Focus, 52, 100655. <https://doi.org/10.1016/j.ref.2024.100655>
- Nahid, F. A., Ongsakul, W., Singh, J. G., & **Roy, J.** (2024). Short-term customer-centric electric load forecasting for low carbon microgrids using a hybrid model. Energy Systems. <https://doi.org/10.1007/s12667-024-00704-5>
- Vuuren, D. van, Minx, J. C., **Roy, J.**, Lamb, W. F., & Wijnst, K.-I. van der. (2024). Routes to a Carbon-Free World. Earth Sciences, 12(1395440), 1-8. <https://doi.org/10.3389/rym.2024.1395440>
- Maharja, C., Praptiwi, R. A., Sainal, S., Wulandari, P., Ashley, M., Wyles, K. J., **Roy, J.**, Hendrawan, I. G., Jobling, S., & Austen, M. C. (2024). Multiple negative impacts of marine plastic pollution on tropical coastal ecosystem services, and human health and well-being. Ocean & Coastal Management, 258, 107423. <https://doi.org/10.1016/j.ocecoaman.2024.107423>
- Chatterjee, S., **Roy, J.**, Mukherjee, A., Lugovoy, O., & Debsarkar, A. (2024). Power sector transition plan of a coal-rich region in India with high-resolution spatio-temporal data based model. Energy for Sustainable Development, 83, 101560. <https://doi.org/10.1016/j.esd.2024.101560>
- Meinshausen, M., Schleussner, C.-F., Beyer, K., Bodeker, G., Boucher, O., Canadell, J. G., Daniel, J. S., Diongue-Niang, A., Driouech, F., Fischer, E., Forster, P., Grose, M., Hansen, G., Hausfather, Z., Ilyina, T., Kikstra, J. S., Kimutai, J., King, A. D., Lee, J.-Y., Lennard, C., Lissner, T., Nauels, A., Peters, G. P., Pirani, A., Plattner, G.-K., Pörtner, H., Rogelj, J., Rojas, M., **Roy, J.**, Samset, B. H., Sanderson, B. M., Séférian, R., Seneviratne, S., Smith, C. J., Szopa, S., Thomas, A., Urge-Vorsatz, D., Velders, G. J. M., Yokohata, T., Ziehn, T., and Nicholls, Z.: A perspective on the next generation of Earth system model

scenarios: towards representative emission pathways (REPs), *Geosci. Model Dev.*, 17, 4533–4559, <https://doi.org/10.5194/gmd-17-4533-2024>, 2024.

- Mohanty Parimita, I. Pal, **J. Roy** (2024), Improving Community Resilience through distributed solar energy as critical infrastructure- a case study of South Asia, *International Journal of Disaster Resilience in the Built Environment*, vol. ahead-of-print no. ahead-of-print. <https://doi.org/10.1108/IJDRBE-02-2023-0039>.
- Creutzig, F., **Roy, J.**, & Minx, J. (2024). Demand-side climate change mitigation: Where do we stand and where do we go? *Environmental Research Letters*, 19(4), 040201. <https://doi.org/10.1088/1748-9326/ad33d3>
- Muhammad Huzaifa Butt, **Joyashree Roy**, S Some (2024) Policy as a catalyst in shaping mobility sector transition for developing countries, *Environ. Res. Lett.* 19 024039, DOI 10.1088/1748-9326/ad1d29. <https://iopscience.iop.org/article/10.1088/1748-9326/ad1d29/pdf>
- Masahiro Sugiyama, Charlie Wilson, Dominik Wiedenhofer, Benigna Boza-Kiss, Tao Cao, Joyee S. Chatterjee, Souran Chatterjee, Takuya Hara, Ayami Hayashi, Yiyi Ju, Volker Krey, María Fernanda Godoy León, Luis Martinez, Eric Masanet, Alessio Mastrucci, Jihoon Min, Leila Niamir, Setu Pelz, **Joyashree Roy**, Yamina Saheb, Roberto Schaeffer, Diana Ürge-Vorsatz, Bas van Ruijven, Yoshiyuki Shimoda, Elena Verdolini, Frauke Wiese, Yohei Yamaguchi, Carina Zell-Ziegler, Caroline Zimm (2024) High with low: Harnessing the power of demand-side solutions for high wellbeing with low energy and material demand, *Joule*, Volume 8, Issue 1, 2024, Pages 1-6, ISSN 2542-4351, <https://doi.org/10.1016/j.joule.2023.12.014>

2023 (7)

- Bustamante, M., Roy, J., Ospina, D., Achakulwisut, P., Aggarwal, A., Bastos, A., Broadgate, W., Canadell, J. G., Carr, E. R., Chen, D., Cleugh, H. A., Ebi, K. L., Edwards, C., Farbotko, C., Fernández-Martínez, M., Frölicher, T. L., Fuss, S., Geden, O., Gruber, N., ... Zscheischler, J. (2023). Ten New Insights in Climate Science 2023/2024. *Global Sustainability*, 1–58. <https://doi.org/10.1017/sus.2023.25>
- Nahid, F. A., Ongsakul, W., Manjiparambil, N. M., Singh, J. G., & **Roy, J.** (2023). Mode decomposition-based short-term multi-step hybrid solar forecasting model for microgrid applications. *Electrical Engineering*. <https://doi.org/10.1007/s00202-023-02138-1>
- Mahmud, H., **Roy, J.** Energy sector sustainability for a fast-growing economy like Bangladesh: an empirical assessment. *Sustain Sci* (2023). <https://doi.org/10.1007/s11625-023-01385-2>
- Datta, Satabdi & **Roy, Joyashree** (2023). Threats from weather events, urbanization and resilience: A case study of a coastal geography in India. *Journal of Integrative Environmental Sciences*. 20(1). DOI: 10.1080/1943815X.2023.2218474 | Impact factor 3.67
- Mahmud Hasan and **Joyashree Roy** (2023): What to focus on in order to accelerate access to modern energy services and energy use efficiency in Bangladesh, *Asia-Pacific Sustainable Development Journal* Vol. 30, No. 1, May 2023. <https://www.unescap.org/kp/2023/asia-pacific-sustainable-development-journal-vol-30-no-1-may-2023>.
- Kumar Anil, I Pal, **Joyashree Roy**, Nonthakarn Benjachat and Kittinut Pimpakhun (2023), Critical infrastructure resilience in Eastern Economic Corridor of Thailand -a review, In *Multi-hazard vulnerability and resilience building: cross cutting issues*, ed. By I Pal and R Shaw, Elsevier, Netherlands. ISBN: 978-0-323-95682-6.

- Erik Haites, Paolo Bertoldi, Michael König, Christopher Bataille, Felix Creutzig, Dipak Dasgupta, Stéphane de la rue du Can, Smail Khennas, Yong-Gun Kim, Lars J. Nilsson, **Joyashree Roy** & Agus Sari (2023): Contribution of carbon pricing to meeting a mid-century net zero target, *Climate Policy*, DOI: 10.1080/14693062.2023.2170312.

2022 (16)

- Roy, J., & Some, S. (2022). E-Mobility for a Sustainable World: Unavoidable Automobility and Global South-North Perspectives. In S. Bhowmick & N. Ghosh, *Sustainable Development in Action: Examining Global North-South Divergences* (pp. 100–118). Wiley. https://www.researchgate.net/publication/359788714_E-Mobility_for_a_Sustainable_World_Unavoidable_Automobility_and_Global_South-North_Perspectives
- Datta, S., & Roy, J. (2022). Exploring adaptive capacity: Observations from the vulnerable human-coastal environmental system of the Bay of Bengal in India. *Frontiers in Climate*, 4, 1007780. <https://doi.org/10.3389/fclim.2022.1007780>
- Martin, M., Boakye, E., Boyd, E., Broadgate, W., Bustamante, M., Canadell, J., . . . Zhao, Z. (2022). Ten new insights in climate science 2022. *Global Sustainability*, 5, E20. doi:10.1017/sus.2022.17
- 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. Poonitirakul, 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>
- Gadgil A, Tomich TP, Agrawal A, Allouche J, Azevedo IML, et al. 2022). *The Great Intergenerational Robbery: A Call for Concerted Action Against Environmental Crises*. *Annu. Rev. Environ. Resour.* 47:In [presshttps://www.annualreviews.org/page/greatintergenerationalrobbery](https://www.annualreviews.org/page/greatintergenerationalrobbery)
- 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>
- 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). <https://doi.org/10.1007/s10668-022-02297-4>

- Dasgupta Shyamasree, JoyashreeRoy, Monalisa Ghosh, JayantaTalukdar (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*, March, <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*. <https://doi.org/10.3389/fclim.2022.785212>
<https://www.frontiersin.org/articles/10.3389/fclim.2022.785212/full>
- 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. <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) , pp102-115. doi: <https://doi.org/10.25303/2603rjce102115>
([https://worldresearchersassociations.com/Archives/RJCE/Vol\(26\)2022/March2022.a.spx](https://worldresearchersassociations.com/Archives/RJCE/Vol(26)2022/March2022.a.spx))
- 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* (pp. 1432-1453). IGI Global. <http://doi:10.4018/978-1-6684-3686-8.ch071>, ISBN13: 9781668436868
- 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* (pp. 1454-1474). IGI Global. <http://doi:10.4018/978-1-6684-3686-8.ch072> ISBN13: 9781668436868

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", <https://newclimate.org/2021/11/03/a-seismograph-for-measuring-the-transformation-to-net-zero-ghg-emissions-discussion-paper/>
- **Roy, Joyashree** ; Hasan Mahmud, 2021. "Reconfiguring the energy progress of Bangladesh", *White Board*, December. <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. <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 Urge-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>
- 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. <http://agri.ckcest.cn/file1/M00/0F/FE/Csgk0GJOwfkABQkaAAWW2kBMFMw579.pdf>
- Lugovoy, Oleg, Varun Jyothiprakash, Sourish Chatterjee, Samridh Sharma, Arijit Mukherjee, Abhishek Das, Shreya Some, Disha L. Dinesha, Nandini Das, Parthaa Bosu, Shyamasree Dasgupta, Lavanya Padhi, Biswanath Roy, Biswajit Thakur, Anupam Debsarkar, Balachandra Patil, and Joyashree Roy. 2021. "Towards a Zero-Carbon Electricity System for India in 2050: IDEEA Model-Based Scenarios Integrating Wind and Solar Complementarity and Geospatial Endowments" *Energies* 14, no. 21: 7063. <https://www.mdpi.com/1996-1073/14/21/7063>
- Pathak, M, **Joyashree Roy**, Shaurya Patel, Shreya Some, Purvi Vyas, Nandini Das, Priyadarshi Shukla (2021), Communicating climate change findings from IPCC reports: Insights from outreach events in India, *Climatic Change*, 168-23, <https://doi.org/10.1007/s10584-021-03224-8>
- **Roy Joyashree** (2021) Basket case to Beacon: How Bangladesh Transformed itself into a modern resilient society, *Breakthrough Journal*, No 14, summer. pp-93-105.

<https://thebreakthrough.org/journal/no-14-summer-2021/bangladesh-energy-beacon>

Related ([Bangladesh Really Is a Climate Success Story - The Atlantic](#))

- Saunders, Harry D., **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,13,14, Daire M. McCoy, Luis Mundaca,16, Tadj Oreszczyn, Steven Sorrell, David Stern, Kanako Tanaka,Taoyuan Wei (2021) Energy Efficiency: What Has Research Delivered in the Last 40 Years? *Annual Review of Environment and Resources*, 46, 46:135–65, October Issue . <https://www.annualreviews.org/doi/pdf/10.1146/annurev-environ-012320-084937>
- Chakravarty, D. and **Joyashree Roy** (2021). Solar Microgrids in Rural India: A Case Study of Household Benefits . *Ecology, Economy and Society—the INSEE Journal* 4 (2): 65-93, July 2021. <https://ecoinsee.org/journal/ojs/index.php/ees/article/view/140>
- Mahmud, Hasan, and **Joyashree Roy** (2021). "Barriers to Overcome in Accelerating Renewable Energy Penetration in Bangladesh" *Sustainability* 13, no. 14: 7694.<https://www.mdpi.com/2071-1050/13/14/7694>. <https://doi.org/10.3390/su13147694>

- **Roy Joyashree**, 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 Prabhath Vidanage (2021), Coastal ecosystems and changing economic activities: Challenges for sustainability transition in (ed) Pal et. al., Disaster Resilience and Sustainability, Adaptation for Sustainable Development. Elsevier, Amsterdam, NL. pp 425-441.
- Chakraborty Dibakar, Krishna Prosad Mondal, Sheikh Tawhidul Islam, and **Joyashree Roy** (2021) 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.
- Das Nandini, Shyamasree Dasgupta, **Joyashree Roy**, Oluf Langhelle, Mohsen Assadi (2021), Emission mitigation and energy security trade-off: An analysis of natural gas as a transition fuel for the Indian power sector. *Energies*, 14, 3787, pp 1-17.
<https://doi.org/10.3390/en14133787>
- Ghosh, N., Das, B., Das, N., Chatterjee, S., Debsarkar, A., Dutta, A., Chakrabarty, S., **Roy, J.** (2021). Particulate Matter and Adverse Respiratory Health Outcome: Exposure of Street Vendors in Kolkata city in India. *Pollution*, 7(4), 769-785. doi: 10.22059/poll.2021.321814.1059
- **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: 10.1007/978-981-33-4830-1
<https://www.springer.com/gp/book/9789813348295>
<https://www.springerprofessional.de/en/fast-growing-developing-countries-dilemma-and-way-forward-in-a-c/18986204>
- **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
- **Roy, Joyashree**, Sheikh Tawhidul Islam and Indrajit Pal, 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

- Pihl Erik, 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 McMichael, Clark A. Miller, Matteo Muratori, Nidhi Nagabhatla, Harini Nagendra, Cristian Passarelli, 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*. Vol 4. E5. DOI: 10.1017/sus.2021.2
- Dasgupta, S; Das, N; **Roy, J** (2021) 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.
<https://www.routledge.com/Contemporary-Issues-in-Sustainable-Development-The-Case-of-India/Chakraborty-Mukherjee-Saha/p/book/9781138227101>

2020 (11)

- 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; Doebe, 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*, 16 (2021) 033001. <https://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. https://ed7682cf-e236-4998-af90-23aace04b9c8.filesusr.com/ugd/dc0393_03417e310006431a8b0a028acf442e95.pdf
- **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, <https://ed7682cf-e236->

[4998-af90-](#)

[23aace04b9c8.filesusr.com/ugd/dc0393_7801b58ce5d64fec820e285416cee81f.pdf](#)

- 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. [https://ed7682cf-e236-4998-af90-23aace04b9c8.filesusr.com/ugd/dc0393_127b64bd14334e4c8a4377acdc855bd8.pdf](#)
- **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. [https://ed7682cf-e236-4998-af90-23aace04b9c8.filesusr.com/ugd/dc0393_2ffcef28741146789668e9e2f25f5e31.pdf](#)
- Das Nandini, **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, [https://doi.org/10.1016/j.esd.2020.06.003](#).
([http://www.sciencedirect.com/science/article/pii/S0973082620302568](#))
- 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 Apr. 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](#)
- Dasgupta Shyamasree, Chakraborty D, **Joyashree Roy** (2020). Selected Issues on Economics of Greenhouse Gas Emission Mitigation, in Reference Module in *Materials Science and Material Engineering*. ([https://doi.org/10.1016/B978-0-12-803581-8.11056-2](#)).

2019 (9)

- **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, [https:// www.ctc-n.org/news/new-publication-climate-strategies-2020](https://www.ctc-n.org/news/new-publication-climate-strategies-2020) , pp 59-62.
- 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>
- 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*. <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](https://www.igi-global.com/book/current-state-future-impacts-climate/231901).
- **Roy J.** et al. (2019) Exploring Futures of the Hindu Kush Himalaya: Scenarios and Pathways. In: Wester P., Mishra A., Mukherji A., Shrestha A. (eds) The Hindu Kush Himalaya Assessment. Springer, Cham. https://doi.org/10.1007/978-3-319-92288-1_4
- 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, (<https://doi.org/10.1002/ese3.380>).pp 1-20. https://onlinelibrary.wiley.com/doi/full/10.1002/ese3.380?campaign=email_articlemetrics.
- 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. <https://doi.org/10.1016/j.jclepro.2019.04.017>

2018 (8)

- 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 <https://doi.org/10.1007/978-981-10-8393-8>, Library of Congress Control Number: 2018932170, Springer Nature Singapore.
- 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*.
- Creutzig Felix, **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 (pp. https://doi.org/10.1007/978-981-10-8393-8_2, Print ISBN: 978-981-10-8392-1, Electronic ISBN: 978-981-10-8393-8). Singapore: Springer.
- **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, <https://doi.org/10.1016/j.cosust.2018.01.010>.
- **Roy, J.**, P. Tschakert, H. Waisman, S. Abdul Halim, P. Antwi-Agyei, P. Dasgupta, B. Hayward, M. Kanninen, D. Liverman, C. Okereke, P.F. Pinho, K. Riahi, and A.G. Suarez Rodriguez, (2018): Sustainable Development, Poverty Eradication and Reducing Inequalities. In: Global Warming of 1.5°C. An IPCC Special Report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty [Masson-Delmotte, V., P. Zhai, H.-O. Pörtner, D. Roberts, J. Skea, P.R. Shukla, A. Pirani, W.

Moufouma-Okia, C. Péan, R. Pidcock, S. Connors, J.B.R. Matthews, Y. Chen, X. Zhou, M.I. Gomis, E. Lonnoy, T. Maycock, M. Tignor, and T. Waterfield (eds.)].CUP.

- Das, N., & **Roy, J.** (2018). Making Indian Power Sector Low Carbon: Opportunities and Policy Challenges. In S. D. Anirudh Gautam, Sustainable Energy and Transportation (pp. 163-183, https://doi.org/10.1007/978-981-10-7509-4_10, Print ISBN: 978-981-10-7508-7, Online ISBN: 978-981-10-7509-4). Singapore: Springer.

2017(6)

- **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. <https://www.crcpress.com/Climate-Change-Governance-and-Adaptation-Case-Studies-from-South-Asia/Barua-Narain-Vij/p/book/9781138054509>. ISBN 9781138054509.
- Jackson R B, CLeQue´re´, 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, <https://doi.org/10.1088/1748-9326/aa9662>.
- Caine Mark, J Lloyd, Max Luke, Lisa Margonelli, Todd Moss, Ted Nordhaus, Roger Pielkejr., 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, AZ 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 10.1007/s11625-017-0438-0 <https://link.springer.com/article/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, Lechtenbohrer 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, doi:10.1007/s12053-016-9497-9. ISSN: 1570-646X (Print) 1570-6478 (Online)
- 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. <https://doi.org/10.1177%2F0956247816677775>
ISSN · 0956-2478 (print) 1746-0301 (web)
- **Roy Joyashree**, Diya Ganguly, DebalinaChakravarty(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 10.1007/978-3-319-38807-6.
- Ghosh Duke, Frans Sengers, Anna J. Wiecek, Bipashyee Ghosh, **Joyashree Roy**, and Rob Raven (2016), Urban Mobility Experiments in India and Thailand, 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. Ratnasiri, 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: 10.4018/978-1-4666-8814-8.ch001

2015 (6)

- 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; Frank van der Salm, **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), Train More energy economists in Priorities for Science in India: Comment. *Nature*, vol. 521. May 14, Page 152-153. <https://www.nature.com/news/research-management-priorities-for-science-in-india-1.17509>.
- **Roy Joyashree** (2015), Climate policy rather than politics should be the result, commentary, *Environmental Development*, February 2015. online:24-FEB-2015, DOI information: 10.1016/j.envdev.2015.02.003. <https://www.sciencedirect.com/science/article/pii/S221146451500010X>
<https://reader.elsevier.com/reader/sd/pii/S221146451500010X?token=FF35D8CDD75DB7237F2BB06268D8B667724B99EC06C65915EDC16F08B73D0C3F93F7B1091FFDED6F2C4DE26A4409EA10>

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 Paschim Medinipur 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: 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 . <http://isas.org.in/jisas/jsp/onlinelatestissue.jsp>. or <http://isas.org.in/jisas/jsp/volume/vol67/issue2/08%20-%20Joyashree%20Roy.pdf> *Journal of the Indian Society of Agricultural Statistics*, 67(2). pp 273-285.
- **Roy, Joyashree** . 2013. Environmental Development ,ArthaBeekshanvol 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, **JRoy (2013)**. "Rebound effect: how much to worry?" *Current Opinion in Environmental Sustainability* 2013, 5. DOI No. 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 No. 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 Change Research) 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 Homegardens in South Asia with Emphasis on Commercial Orientation. *Srilanka Journal of Advanced Social Studies*. Vol 2, no 2, pp.71-90. <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 YstanesFøyn, Maryna Karavai, Emilio La Rovere&MatthewBramley&Xianli Zhu, Catherine Mitchell, **Joyashree Roy**, Kanako Tanaka, Hidefumi Katayama, Carlos Mena , ImohObioh, 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 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, PushkarPandey (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. <http://dx.doi.org/10.1080/09535314.2011.618824>
- Weerahewa Jeevika,GaminiPushpakumara, Pradeepa Silva, ChathurangaDaulagala, RanjithPunyawardena, SarathPremalal, Giashuddin Miah, **Joyashree Roy**, Sebak Jana and BuddhiMarambe (2012), Are Homegarden Ecosystems Resilient to Climatic Change? An Analysis of Adaptation Strategies of Homegardeners in Sri Lanka. *APN Science Bulletin*,2: 22-27. ISSN 2185-761x.http://www.apn-gcr.org/uploads/bulletin/ScienceBulletin_Issue2_March2012_web.pdf.

2011 (2)

- Sathaye Jayant, 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**,TormodSchei, 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 Roychowdhury (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, Shobhakar 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, Issue 2, 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.
<https://www.sciencedirect.com/science/article/pii/S0048969708001526>.
<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 Translog 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/ster_n_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-water-quality.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), Multiproject 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 Bandopadhyay 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), "Back up Power Generation in Calcutta Metropolitan Agglomeration", *Energy Management*, Oct-Dec. pp.3-7.
- Sarkar, S. and Joyashree Roy: (1995), "Interfuel 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 Over View", *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)

- KarJoyashree.(1982), "Towards an Energy Policy for India", Capital, Annual No.
- Kar Joyashree (1982), "Economics of Solar Energy", Capital, Vol. 188/No. 4707, May
- KarJoyashree.(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)

- Nahid, F. A., Roy, J., Barua, A., & Ongsakul, W. (2024). PyPSA-BD: An Open-Source Model for Planning Sustainable Power Sector for Bangladesh. 2024 International Conference on Sustainable Energy: Energy Transition and Net-Zero Climate Future (ICUE), 1-7. <https://doi.org/10.1109/ICUE63019.2024.10795639>
- Barua, A., Ongsakul, W., Nahid, F. A., & Roy, J. (2024). Comparative Analysis of Energy System Modeling Approaches for Decarbonizing the Electricity Sector. 2024 International Conference on Sustainable Energy: Energy Transition and Net-Zero Climate Future (ICUE), 1-7. <https://doi.org/10.1109/ICUE63019.2024.10795621>
- Sathaye, J, Lynn Price, ,EarnstWorrel, Michale Ruth, Roberto Schaeffer, MarciaoMachaedo 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 24thIAEE 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
<http://ies.lbl.gov/publications/eliminating-electricity-deficit-through-energy-efficiency-india>
- Roy Joyashree, Anupa Ghosh, GopaBarua (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 SrutiBasak (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 CommercializationProject, 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 decarbonisation 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 Spezial 53. Wuppertal: Wuppertal Institut für Klima, Umwelt, Energie, 2017, 53-91, and 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 Dr. T. K. Das]
6. Analysis of Oil Demand in India by Indrani Ganguly
7. Pollution from Paper Industry in India by Sebak Jana [Joint supervision, with Dr. S Datta]
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 Dr. B.B. Chakraborty]
10. Extreme Climatic Events: An Analysis of Socio Economic Vulnerability and Coping Mechanism in Selected Hotspots in India by Anupa Ghosh [joint supervision with Dr. Asis Majumdar]
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 Dr Sanjib Pohit and Dr Ojha].
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 [Jointly with Jyotish P Basu]
19. Coastal Ecosystem Services and Economic Activities: Understanding Interconnectedness Through a Case Study (Satabdi Datta)
20. Low Carbon Development: Alternative Pathways and Financing Mechanisms (Nandini Das)
21. Economics of Greenhouse Gas Emission Mitigation: A Study of the Indian Agricultural Sector (Shreya Some). [Jointly with Prof Arpita Ghosh]
22. Sustainability challenges and solution pathways for the energy sector in Bangladesh: implications for development (Hasan Mahmud)

In Progress

23. Risk Assessment and Resilience of Coastal Critical Infrastructure in Climate Change Context: A Study of Energy Sector of Bangladesh (Anil Kumar) [Jointly with Dr. Indrajit Pal]
24. Sajid Amit (Jointly with Roger Livermore).

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 by 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.

**RESEARCH PROJECTS/CONSULTANCY/CAPACITY BUILDING PROGRAMMES
UNDERTAKEN: SPONSORED BY INTERNATIONAL AND NATIONAL AGENCIES
(Illustrates Capability to Handle Various Tasks Independently /jointly):**

2022-

- Energy modelling in Thailand and Bangladesh : EDF Inc. USA

2021-

- **PISCES:** Marine Plastics in Indonesia: Cost of Action and Inaction, GCRF/Brunel University, UK

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-GoI*
- Sustainability Indicators and Analysis for Indian Indian Economy: *UGC*

2003

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

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,GoI*.

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-)

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 renewables 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

	<i>Speak</i>	<i>Read</i>	<i>Write</i>
English	Excellent	Excellent	Excellent
Hindi	Excellent	Excellent	Excellent
Bengali	Excellent	Excellent	Excellent
Assamese	Excellent	Excellent	Excellent

In You Tube/TEDx talks/podcast/news papers/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> (TEDx|U)
- <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=JIqAfPKr2Vk>
- (2019) : Agriculture : <https://india.mongabay.com/2019/05/study-maps-rise-in-non-co2-emission-from-cropland-based-agriculture-over-30-years/>
- (2021): NERP -Japan - <https://youtu.be/ipyMTVmLiwo>

Active participation in overseas research collaboration/post doctoral research/short term advanced course participation/ research assignments/ conference/meeting/workshop/key note 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	Quebeck 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	Kathamandu	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
		Sandiego State University	Invited speaker-APN workshop
	Nepal	Kathmandu	Invited speaker-APN workshop
	SriLanka	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	Kathamandu	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	ChiangMai	Invited speaker, APN workshop
	Ghana	Accra	Invited speaker-DFID Project meeting
	Srilanka	Colombo	Invited speaker-APN, START workshop
		Tea Research Institute	Invite spaker-Research collaboration
	Zambia	Lusaka	Project partner -DFID Project meeting
2006	South Africa	Capetown	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	Invited in Stern review Committee Meeting
		NRI, Chatham	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	Capetown	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	Capetown	Jury member-ABCDE World Bank
	Spain	Seville	Key note 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- MomoyamaGakuin 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- MomoyamaGakuin 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	Malayasia	Kualulumpur	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
	Malayasia	Kualulumpur	Invited member in brainstorming -Future Earth-regional Vision
2013	Netherlands	Eindhoven	Paper presenter anspecial 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	Capetown	Invited speaker-Development and Mitigation forum
	Srilanka	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-UNFCCC-SED
	USA	California	Key note 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	Yogyakarta	Invited speaker -IPCC AR 5 dissemination workshop
	Netherlands	Amsterdam	Project partner Multilevel governance workshop
2015	Sri Lanka	Galle	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 writeshop 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 de-carbonisation 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	Malmö	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 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
	Malayasia	Kualalumpur	IPCC dissemination meeting
2020	Bangladesh	Dhaka	Key note address at EWU:
	Myanmar	Yangong	Key note 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	
2021	USA	California	Ecomodern Justice Journal release, Receiving Breakthrough Institute Paradigm Award of 2021
		Boston	Massachussets Maritime Academy: Invited Lecture
2022	Ireland	Dublin	IPCC Synthesis report writeshop
	Canada	Toronto	CIFAR proposal writing workshop
	Austria	Vienna	EDIT project annual workshop

	USA	Washington DC	ARER Journal Annual Editorial Board Meeting
	Japan	Tokyo	ICEF Annual conference
	Egypt	Sharm el-Sheikh	COP 27
	Indonesia	Banyuwangi	PISCES project codesign workshop
2023	Switzerland	Interlaken	IPCC Ar 6 Synthesis approval session
	USA	Washington DC	EDF workshop

Media coverage

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<https://www.downtoearth.org.in/news/climate-change/climate-crisis-ipcc-synthesis-report-says-the-vulnerable-are-suffering-the-maximum-losses-and-damages-88352>

<https://theplurals.org/news/details/ipcc-report-unless-global-carbon-emission-is-halved-by-2030-areas-like-sundarbans-to-become-most-vulnerable-eng>

New IPCC Report Lists Numerous Low-Cost Options to Tackle Climate Change

<https://thewire.in/environment/new-ipcc-report-lists-numerous-low-cost-options-to-tackle-climate-change>

India must prioritise grants, policies around vulnerable population to mitigate climate change impact: IPCC authors

<https://theprint.in/india/india-must-prioritise-grants-policies-around-vulnerable-population-to-mitigate-climate-change-impact-ipcc-authors-2/1459421/>

Livable future possible if drastic action taken this decade: IPCC report

<https://www.nationalheraldindia.com/international/livable-future-possible-if-drastic-action-taken-this-decade-ipcc-report-2>

Equitable climate action needed to secure future, says IPCC in latest report

<https://theprint.in/environment/equitable-climate-action-needed-to-secure-future-says-ipcc-in-latest-report/1458362/>

Climate Crisis: IPCC Synthesis Report says the vulnerable are suffering the maximum losses and damages

<https://www.downtoearth.org.in/news/climate-change/climate-crisis-ipcc-synthesis-report-says-the-vulnerable-are-suffering-the-maximum-losses-and-damages-88352>

IPCC report: Unless global carbon emission is halved by 2030, areas like Sundarbans to become most vulnerable

<https://theplurals.org/news/details/ipcc-report-unless-global-carbon-emission-is-halved-by-2030-areas-like-sundarbans-to-become-most-vulnerable-eng>

Rapidly narrowing window for humanity to limit warming to 1.5 deg C: IPCC report

<https://www.devdiscourse.com/article/science-environment/2387182-rapidly-narrowing-window-for-humanity-to-limit-warming-to-15-deg-c-ipcc-report>

India must prioritize grants, policies around vulnerable population to mitigate climate change impact: IPCC authors

<https://www.devdiscourse.com/article/science-environment/2387140-india-must-prioritise-grants-policies-around-vulnerable-population-to-mitigate-climate-change-impact-ipcc-authors>

(2022)

(Disha Shetty)

<https://fullerproject.org/story/india-early-weather-warning-system-economic-benefits-women/>

<https://science.thewire.in/environment/india-investment-national-monsoon-mission-early-warning-systems-benefits-women/>