

Souran Chatterjee, PhD

EDUCATION

PhD (Suma cum laude) in Environmental Sciences and Policy, Central European University, Budapest, Hungary

(**PhD Dissertation: Title:** Measuring productivity impact of energy efficiency measures- This dissertation contributes to the methodological toolbox by quantifying productivity impact as an example. This study quantifies health and productivity impacts of two energy efficiency measures for Hungary and Germany by using a systematic and theoretically consistent methodological framework.)

Master of Science in Economics - with specialization of Advance Econometrics, Labour Economics and Economics of Industry. Calcutta University, India

Bachelor of Science in Economics honors - Economics honors, Asutosh College, Calcutta University, India

EMPLOYMENT EXPERIENCE

- Visiting faculty, Global Change Programme, Jadavpur University, India- 2019 (August-September)
- Assistant Professor, Department of Environmental Science, Asian University of Women, Bangladesh- 2019 (January – July)
- Post-doctoral fellow, Global Change Programme, Jadavpur University, India- 2018 (October – December)
- Economist at Advanced building and urban design(ABUD), Hungary – 2015-2018 (February)
- Researcher at Center for climate change and sustainable energy policy, Central European University, Hungary- 2015-2018 (March)
- Project manager at IMRB international (International Business Unit), India – 2013-2015.
- Research Associate, Global Change Programme, Jadavpur University, India – 2013
- Intern in WWF-India- 2012

RESEARCH EXPERIENCE

Sustainable Urban Pollution Management and Associated Socio-Economic Impact: A Study of Kolkata Megacity

- Sustainable Urban Pollution Management and Associated Socio-Economic Impact: A Study of Kolkata Megacity project is funded under RUSA 2.0 grant.
- This project aims to analyze both quantitatively and qualitative the socio-economic impacts due to exposure to air pollution.
- As a supervisor in this project, my job is to formulate the research, writing the proposal for grant, methodology development, questionnaire preparation, and managing fieldwork logistics.

COMBI project (<https://combi-project.eu/>)

- Calculating and Operationalising the Multiple Benefits of Energy Efficiency in Europe (COMBI) project was a part of European Union's Horizon 2020 research and innovation programme under grant agreement No 649724.
- COMBI project aimed at calculating the energy and non-energy impacts from energy efficiency measures for all European Union member states.

- As an economist, my role was to develop a methodology to synthesize and aggregate all the co-benefits of energy efficiency actions.
- Develop a methodology to quantify and monetize productivity impact.

IMRB Projects (<https://imrbint.com/>)

- Data analysis and market trend analysis -interpretation and presentation of data
- Ensuring Standardization of projects & compliance to Global Protocol: Vetting of questionnaires, sample designs and databases.
- Cross-functional coordination with Client, Field and Data Processing teams: Query resolution, tracking & streamlining of general operating procedures

Project on Indian public Debt instruments

- As a part of my master's degree project, a detailed report prepared on Indian debt instruments and an analysis was done on debt situation across the world as well as India from macroeconomic perspective.
- Additionally, as the Project Leader, I had to coordinate with the university project coordinator and other group members.

Qatar transport solution

- Worked as a Research assistant in the year 2012 under the supervision of Prof. Joyashree Roy, Global Change Programme, Jadavpur University, India.
- Prepared a report on different success stories of several countries across the world in the transport sector and prescribed policies about how Qatar government can make their transport sector pollution free.

TEACHING EXPERIENCE

- Taught two 4 credit courses (Energy Economics and Co-benefits-unrealised aspect of climate change) in the summer semester, 2019 at Asian University of Women.
- Taught two 4 credit courses (Health economics, and pollution assessment methods) in the spring semester, 2019 at Asian University of Women
- Completed The CTL Program for Excellence in Teaching in Higher Education, Center for teaching and learning, Central European University, Budapest, Hungary-2017- The entire program amounts to approximately 24 sessions where I was trained in designing and leading learner-centered classroom activities, designing student-centric activities and assessment practices.
- Peer-teacher: taught different models of teaching as a part of the CTL Program curriculum, Central European University, Budapest, Hungary- 2015
- Part-time teacher of Economics at the Krishnachandrapur High School, Krishnachandrapur, West Bengal, India-2011- Taught Economics for standard 11 and 12 students (approx. 60 students combined).
- Private tutor of Economics Kolkata, India- 2010-2015- Taught Economics to the Bachelors and Masters level students (approx. 20 students).
- Invited speaker, climate change and role of youth, Infinity,India - 2014
- Invited speaker, economics of waste management, Bidhannagar college,India-2012

ACTED AS A RESOURCE PERSON

- Review Board Expert for Impact Assessment Study- BPIE (2018- till date)
- Reviewer IPCC city and climate change conference (2018).
- Reviewer of ECEEE conference (2017)

- Acted as a resource person for various youth led events and programs, such as fests at IIT, Kharagpur, India and the Future Institute of Engineering ,India
- Settled up a study center powered by solar lamps on Sagar Island, india for underprivileged students
- Conducted several workshops and quizzes for students for many institutions (like Birla Institute of Technology, IPER etc) and at various schools and colleges in India to disseminate knowledge on climate change.
- Organized many seminars and public awareness events on climate change and waste management, involving a wide range of partners and audiences

AWARDS AND FELLOWSHIP RECEIVED

- Recipient of Global Teaching Fellowship (2018), Central European University, Hungary
- Awarded Advanced Doctoral Students Award for outstanding student research by Central European University in 2018
- Awarded as “Active Citizen” by British Council-for contribution to raise awareness on climate change related issues, 2013
- Represented India in the Asia-Pacific Graduates’, Nepal which was organized by ICIMOD and SEN, on the topic of green economy in 2012
- Selected as Project Lead for a project named “Overview of Indian Public Debt Instruments”, Dept. of Economics, Calcutta University in 2012
- Selected in the Tunza Conference, Indonesia organized by UNEP as an Indian youth delegate to speak about climate change in 2011
- Selected as an International Climate Champion by British Council for the project on economics of waste management in 2010

PUBLICATIONS

1. Thema, J., Suerkemper, F., Couder, J., Mzavanadze, N., **Chatterjee, S.**, Teubler, J., ... & Rasch, J. (2019). The multiple benefits of the 2030 EU energy efficiency potential. *Energies*, 12(14), 2798.
2. **Chatterjee, S.** (2019). “Co-benefits- the unrealised aspect of climate change policies”. Cross cutting research in social sciences. Edited by Sabuj Kumar Chaudhuri and Purbalika Bhattacharya Maitra. pp.62-77
3. Thema, J., Suerkemper, F., Couder, J., Mzavanadze, N., **Chatterjee, S.**, Teubler, J., ... & Rasch, J. (2019). The Multiple Benefits of the 2030 EU Energy Efficiency Potential. *Energies*, 12(14), 2798.
4. **Chatterjee,S.** & Üрге-Vorsatz, D (2018). Quantification of productivity impacts. *WP5 Social welfare: D5.4a Final report, COMBI*. Budapest. <https://combi-project.eu/downloads/project-reports/>
5. **Chatterjee,S et al.** (2018). Synthesis Methodology. WP D 2.4 Final report, COMBI. <https://combi-project.eu/downloads/project-reports/>
6. Jan W. Bleyl, Markus Bareit, Miguel A. Casas, **Souran Chatterjee**, Johan Coolen, Albert Hulshoff, Sarah Mitchell, Mark Robertson and Diana Üрге-Vorsatz (2018)- Office Building Deep Energy Retrofit: Cost Benefit Analyses using Dynamic Cash Flow Analysis and Multiple Benefits on Project Level: Energy Efficiency, 1-19.
7. **Chatterjee, S.**, & Üрге-Vorsatz, D (2017). Productivity impact from multiple impact perspective. ECEEE summer study proceedings, P:1841-1847.
8. Thema, J., Suerkemper, F., Thomas, S., Teubler, J., Couder, J., **Chatterjee, S.**, ... & von Below, D. (2017). More than energy savings: quantifying the multiple impacts of energy efficiency in Europe. ECEEE summer study proceedings
9. Üрге-Vorsatz, D., Kelemen, A., Thomas, S., Thema, J., Tirado-Herrero, S., Mzavanadze, N., Hauptstock, D., Suerkemper, F., Teubler, J., Gupta, M., **Chatterjee, S.** (2016). Measuring multiple impacts of low-carbon energy options in a green economy context. *Applied Energy*, 179, 1409-1426. <http://dx.doi.org/10.1016/j.apenergy.2016.07.027>

10. Thema, Johannes, Felix Suerkemper, Stefan Thomas, Jens Teubler, Johan Couder, Nora Mzavanadze, Stefan Bouzarovski, Diana Ürge-Vorsatz, **Souran Chatterjee**, and David von Below (2016). "Widening the perspective: an approach to evaluating the multiple benefits of the 2030 EU energy efficiency potential." <http://www.iepeec.org/wpcontent/uploads/2016/05/Paper-Thema.pdf>
11. Ürge-Vorsatz, Diana, and **Souran Chatterjee**. (2016). *WP5 Social welfare: Methodology for quantification of productivity impacts D5. 2a report*. Budapest: COMBI.- http://combi-project.eu/wp-content/uploads/2016/06/D5.2a_20160601_final.pdf
12. Ürge-Vorsatz, Diana, Ágnes Kelemen, Mukesh Gupta, **Souran Chatterjee**, Mónika Egyed, and András Reith. (2015). Literature review on Multiple Impact quantification methodologies- D2.1 report. Literature review, Budapest: COMBI. http://combi-project.eu/wp-content/uploads/2015/09/D2.1_LR-methodologies.pdf