

DEEP MUKHERJEE

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Current Affiliation:

- Associate Professor, Department of Economic Sciences, Indian Institute of Technology Kanpur, December 2019 – till date

Education:

- Ph.D., Agricultural & Resource Economics, University of Connecticut, July 2012
(*Dissertation: Agricultural Sustainability in the Face of Climatic Change: Challenges and Opportunities*)
- M.S., Agricultural & Resource Economics, University of Connecticut, May 2009
- M.S., Quantitative Economics, Indian Statistical Institute, June 2004
- B.A. (Honors), Economics, Jadavpur University, July 2002

Research Areas:

- Efficiency & Productivity Analysis, Energy Economics & Policy, Program Evaluation, Valuation of Environment and Public Goods

Employment History:

- Assistant Professor of Economics, Indian Institute of Technology Kanpur, June 2014 – December 2019
- Post-doctoral Research Associate, Department of Economics, University of Glasgow, January 2013 – March 2014
- Post-doctoral Fellow, Department of Agricultural & Resource Economics, University of Connecticut, July 2012 – November 2012
- Graduate Assistant, Department of Agricultural & Resource Economics, University of Connecticut, August 2007 – June 2012
- Business Analyst, GENPACT (formerly GE Capital), India, June 2004 – July 2007

Journal Articles:

1. "Drivers of greenhouse gas emissions in the United States: revisiting STIRPAT model." *Environment, Development and Sustainability*, 21 (2019): 3015–3031. (With M.K. Singh)
2. "Assessing the linkage between dairy productivity growth and climatic variability: The case of New York State." *Open Agriculture*, 3 (2018): 658–669. (With A. Ranjan)
3. "Climate change and land use in Southeastern U.S.: Did the "dumb farmer" get it wrong?" *Climate Change Economics*, 7 (2016): 1–35. (With T. Tsvetanov, L. Qi, F.A. Shah, and B.E. Bravo-Ureta)
4. "The good and the bad: Environmental efficiency in northeastern U.S. dairy farming." *Agricultural & Resource Economics Review*, 45 (2016): 22–43. (With E. Njuki and B.E. Bravo-Ureta)

5. "To drill or not to drill? An econometric analysis of US public opinion." *Energy Policy*, 91 (2016): 341–351. (With M.A. Rahman)
6. "Optimal location of centralized biodigesters for small dairy farms: A case study from the United States." *International Journal of Sustainable Energy Planning & Management*, 8 (2015): 3–16. (With R.G. Cromley, F.A. Shah, and B.E. Bravo-Ureta)
7. "Dairy productivity and climatic conditions: Econometric evidence from Southeastern United States." *Australian Journal of Agricultural & Resource Economics*, 57 (2013): 123–140. (With B.E. Bravo-Ureta and A. De Vries)
8. "Public versus private banking services: A case study of bank-customer preferences in southern suburb of Kolkata." *Arthabeekshan (Quarterly Journal of the Bengal Economic Society)* 5 (2006): 78–89. (With P. Sett)

Book (Edited Volume):

1. "Contemporary Issues in Sustainable Development: The Case of India", Routledge (New Delhi), Final draft submitted, Forthcoming in 2020 (Co-editors: T. Chakraborty and S. Saha)

Book Chapters:

1. "Productive efficiency of agricultural sector in Uttar Pradesh using data envelopment analysis." In Chakraborty et al. (Ed.), *Contemporary Issues in Sustainable Development: The Case of India*, Routledge, Forthcoming in 2020 (With K.S. Khatai and A. Bhandari)
2. "Agricultural productivity in Bihar and its determinants: A district level analysis." In Chakraborty et al. (Ed.), *Contemporary Issues in Sustainable Development: The Case of India*, Routledge, Forthcoming in 2020 (With A. Sapre and M.K. Singh)

Other Publications:

1. "Toward sustainable management of black tiger shrimp fishing in West Bengal." Working Paper No. GCP/JU/10/01. Global Change Program, Jadavpur University, 2010.
2. "Application of convolution in individual risk model with non-iid data: A case study." In *Conference Volume of 9th Global Conference of Actuaries*, Vol. 2: 209–215, 2007.

Sponsored & Consultancy Projects:

1. "UI-ASSIST: US-India Collaborative for Smart Distribution System with Storage" Role: Co-PI (core task participant, Theme 10 'Impact Analysis & Policy Recommendations'), Sponsor: U.S. Dept. of Energy & Dept. of Science & Technology, Govt. of India, 2018–2021.
2. "Customer Demand and Willingness to Pay for HEVs and EVs", Role: PI of Sub-project of institute level project under Dean (R&D), Sponsor: Maruti Suzuki, 2017–2018.
3. "Evaluation of HDFC Bank's Gram Samridhhi project", Role: PI, Sponsor: Shramik Bharti, 2017–2018.
4. "Socio-economic study on nearby areas of the Obra thermal power station", Role: PI, Sponsor: Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd., 2015–2016.

5. "Socio-economic study on nearby areas of the proposed Jawaharpur thermal power project", Role: PI, Sponsor: *Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd.*, 2015–2016.
6. "Impact of sodic land reclamation on peasant livelihood in Uttar Pradesh", Initiation Grant, Sponsor: *IIT Kanpur*, 2015–2017.

Conference Presentations:

1. "Quantifying 'the scope for efficiency' defense in the case of merger of SBI and its associates using Data Envelopment Analysis", *International Conference on Operations Research & Decision Sciences*, Visakhapatnam, India, December 2019
2. "Inefficiency of Indian coal-based thermal power stations: A directional distance function approach", *DSE Winter School*, New Delhi, December 2019
3. "Transgenic varieties and productive efficiency of cotton farmers in Pakistan", *Asia Pacific Productivity Conference*, Seoul, Republic of Korea, July 2018
4. "Agricultural productivity growth in New England: Will climate change matter?", *Joint AAEA & NAREA Conference*, Pittsburgh, United States, July 2011
5. "Modeling the impact of weather risk on dairy production: A case study of Florida and Georgia", *EWEP Conference*, Verona, Italy, June 2011
6. "Assessing the linkage between dairy productivity growth and weather patterns: A case study of Florida", *Asia Pacific Productivity Conference*, Taipei, Taiwan, July 2010
7. "A call from the wilderness: Choosing Alaskan oil or wildlife" *NAREA Conference*, Atlantic City, United States, June 2010, Abstract published in *Agricultural & Resource Economics Review* 39 (2010): 591

Student Supervision:

- PhD thesis: (1) Karan Singh Khati (2014-); (2) Debarun Sengupta (2016-).
- MS thesis and project: (1) Akanksha Rana, 2014-15; (2) Gaurav Doshi, 2016-17; (3) Alok Ranjan, 2016-17; (4) Mahendra Kumar Singh, 2016-17; (4) Harshvardhan Singh Rathore, 2016-17; (5) Yash Ladhha, 2017-18; (6) Tanisha Mishra, 2018-19; (7) Shreyas Tiwari, 2018-19.

Teaching:

- Under-graduate level: Introduction to Economics (ECO 101A), Microeconomics I (ECO 201A), Econometrics I (ECO 341A), Econometrics II (ECO 342A)
- Post-graduate level: Environmental Economics & Policy (ECO 501A), Production Economics (ECO 741A), Efficiency & Productivity Analysis (ECO 742A)

Outreach:

- Massive Open Online Course (MOOC) titled "Microeconomics: Theory & Applications" under National Programme on Technology Enhanced Learning (NPTEL)
- Co-organized a workshop titled "Sustainable Development: Policy & Management" under the Quality Improvement Programme (QIP) run by the All India Council for Technical Education, IIT Kanpur, 30th November – 5th December 2015

Professional Service:

- Served as external member, Doctoral Advisory Committee for Aparna Krishna, a student of the Fellow Program in Management at IIM Bangalore, 2016–18
- Reviewer for Journals: *Regional Environmental Change* (Springer), *Transportation in Developing Economies* (Springer), *Agribusiness* (Wiley), *Open Agriculture* (De Gruyter), *Waste and Biomass Valorization* (Springer), *Sage Open* (Sage), *Indian Economic Journal* (Sage).

Invited Talks, Lecture, and Participation as discussant:

- Delivered a talk on “Climate change and energy in the US: Some econometric findings” at the *India-Japan Workshop on Climate Change and Energy Policy*, organized by the Department of Humanities & Social Sciences, IIT Kanpur, December 2019
- Participated in the “Stakeholder Consultation Workshop on Million Farmers School in Uttar Pradesh: Evolution, Impact and Way Forward”, organized by *International Food Policy Research Institute and Govt. of Uttar Pradesh*, Lucknow, September 2019
- Taught “Introduction to Economics” as guest faculty at *Rajiv Gandhi Institute of Petroleum Technology*, Oct–Nov 2017
- Delivered a lecture on “Introduction to DEA models” for *Quality Improvement Program (QIP) on Frontier areas in Econometrics & International Trade*, IIT Kanpur, December 2014

Award & Recognition:

- Received commendation letter from the Director, IIT Kanpur for excellence in teaching:
 - 2015-16/Semester I for the course ‘Efficiency & Productivity Analysis’
 - 2017-18/Semester I for the course ‘Production Economics’
- Project “Impact of sodic land reclamation on peasant livelihood in Uttar Pradesh” gained media coverage (A story is published in the Hindi language daily newspaper *Dainik Jagran*, Kanpur edition on 19th June, 2017)
- Research paper (Mukherjee & Rahman, 2016) is highlighted by the Shorenstein Center on Media, Politics and Public Policy at Harvard Kennedy School
- Institute Fellowship, IIT Kanpur, 2014–2017
- Bishop–Carder scholarship, Univ. of Connecticut, 2011
- CESE multidisciplinary summer research scholarship, Univ. of Connecticut, 2008
- Del Favero scholarship, Univ. of Connecticut, 2007
- Silver medal of merit for attaining 2nd position in B.A. Economics program, Jadavpur Univ., 2002