

ESHITA GUPTA

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Date of Birth: *July 13, 1982*

EMPLOYMENT

- **Associate Director**
Infrastructure and Government Services
KPMG, Gurugram India.
Period: *Sep 2017 - Present*
 - **Fellow**
Evidence for Policy Design (EPoD)
New Delhi, India.
Period: *Jan 2017 - July 2017*
 - **Assistant Professor**
Department of Policy Studies
TERI University
New Delhi, India.
Period: Nov 2014 - Dec 2016
 - **Lecturer**
Department of Policy Studies
TERI University
New Delhi, India.
Period: Feb 2014 - Nov 2014
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EDUCATION

- **Ph.D. Economics**
Economics and Planning Unit
Indian Statistical Institute (ISI) Delhi
New Delhi, India
Graduation: November 2014
 - **M.A. Economics**
Delhi School of Economics
Delhi University
New Delhi, India
Graduation: May 2005
 - **B.A. Economics**
Hansraj College
Delhi University
New Delhi, India
Graduation: May 2003
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RESEARCH INTERESTS

Energy and Environment Economics, Applied Econometrics, Development Economics

PUBLICATIONS

• Journal Articles

- Eshita Gupta. The Effect of Development on the Climate Sensitivity of Electricity Demand in India. *Climate Change Economics*, Vol. 07, 2016.
- Vasundhara Gaur and Eshita Gupta. The Determinants of Electricity thefts: An Empirical Analysis of the Indian States. *Energy Policy*, Vol 93 (2016) (pp. 127-136).
- Eshita Gupta. Global Warming and Electricity Demand in the Rapidly Growing City of Delhi: A Semi-Parametric Variable Coefficient Approach. *Energy Economics*, Vol 34, 2012 (pp. 1407-1421).
- Eshita Gupta. Oil Vulnerability Index of Oil Importing Countries. *Energy Policy*, Vol 36, 2008 (pp.1195-1211).
- Eshita Gupta, Bharat Ramaswami and E. Somanathan. Climate Change, Food Prices and Poverty in India. *Under Review*.
- Eshita Gupta. Impact Evaluation of Solar Water Pumping Program in Rajasthan. *Under Review*.
- Kanupriya Gupta and Eshita Gupta. Analyzing the Energy-Efficiency Gap: An Empirical Analysis of Air conditioners in the Household Sector of Delhi. *Indian Growth and Development Review*, Vol 2, issue 10, pp 66-88.
- Vernika Gupta and Eshita Gupta. Impact evaluation of an improved biomass Astra cook stove: a case study from South India. *Under Review*.
- Eshita Gupta and Anandjit Goswami. Assessing relative oil vulnerability of oil importing countries. *Geopolitics of Energy*, Canadian Energy Research Institute, Vol 30, February 2008.

• Working Papers

- Srishti Gupta and Eshita Gupta. Multi-dimensional energy poverty index of India
- Yuvraj Sharma and Eshita Gupta. Comparing solar powered polyhouses with electricity powered polyhouses: a case study of Jaipur

• Book Chapters

- Gal Luft and Anne Korin and Eshita Gupta. Energy Security and Climate Change: A Tenuous Link. *The Routledge Handbook of Energy Security*, Routledge, 2011.
- Eshita Gupta and Anant Sudarshan. Energy and Poverty in India. *India's Energy Politics*, Routledge, 2009.

• Other Writings

- Eshita Gupta. Book Review: Powerless: India's Energy Shortage and Its Impact; Sam Trnum. 2014. *Journal of Resources, Energy, and Development*, Vol 11(1&2), TERI, July 2015.
- Eshita Gupta. India's Oil Vulnerability. *Economic Times (Newspaper)*, April 2008.
- Eshita Gupta. Geo-political Oil Vulnerability of Oil Importing Countries. *Energy Security Insights*, Vol 2, TERI, April 2007.
- Pragya Jaswal and Eshita Gupta. Natural Gas Markets: A Global Perspective. *Energy Security Insights*, Vol 1, TERI, June 2006.

SPONSORED PROJECTS

Research Projects:

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- Sponsoring Agency: Swedish International Development Cooperation Agency (SIDA)
Title: Impacts of Electric Stoves on Air-Pollution and Woman Welfare in Rural India
Period: Jan 17 - Dec 19
Position: Co-Principal Investigator
Budget: Rs 60 Lakhs (Approx.)
- Sponsoring Agency: South Asian Network for Development and Environmental Economics (SANDEE)
Title: Distributional Implications of the Solar Water Pumping Program in Rajasthan.
Period: Aug 15 - Dec 16
Position: Principal Investigator.
Budget: 18.25 lacs.

Consultancy Projects:

- Sponsoring Agency: Central Electricity Authority of India
Project: Forecasting Electricity Demand (in India) for Electricity Power Survey of India.
Period: Aug 15 - Dec 16
Note: Project jointly undertaken with Dr. Abhiroop Mukhopadhyay

PREVIOUS RESEARCH EXPERIENCE

- **Indian Statistical Institute, New Delhi** **July 08 - Jan 2014**
Position: Senior Research Fellow
Graduate Research Work: My Ph.D. thesis consists of following three main chapters.
 - The first chapter studies the impact of climate change on electricity demand in Delhi. It estimates a semi-parametric variable coefficient model that allows for a non-linear relationship between temperature and electricity to shift over time, a feature that is necessary to incorporate given the rapid economic growth in India.
 - The second chapter studies the impact of climate change on electricity demand in India. It uses data from a panel of Indian states to further investigate the impact economic growth and structure on the temperature-electricity demand relationship.
 - The third chapter uses simple general equilibrium model to study the impact of climate change on distribution of income in India taking into account the effects of climate change on the relative price of food and labor allocation between agriculture and non-agriculture sector. This chapter is joint work with Prof. E. Somanathan and Prof. Bharat Ramaswami.
- **Economics Department, Oslo University, Norway** **Apr 12 - May 12**
Position: Visiting Researcher
Project/Work: Research Interaction based on PhD Thesis Work
- **The Energy and Resources Institute (TERI), New Delhi** **Feb 06 - July 08**
Position: Research Associate
Project: Building Energy Security Index
Mentor: Dr. Ligia Noronha
- **Delhi School of Economics, New Delhi.** **Jun 05 - Feb 06**
Position: Research Fellow
Project: Estimating Gender Differences in Labor Force Participation and Wage Functions for Rural and Urban Sectors
Mentors: Dr. Suresh Tendulkar and Dr. Swapna Mukhopadhyay

TEACHING EXPERIENCE

Instructor, TERI University:

- MPE 135: Collective Action and Environmental Management **Spring 16**
- MPE 171: Quantitative Methods **Fall 15**
- WSW 122: Water Economics **Spring 15, Spring 16**
- MPE 183: Energy Economics **Fall 14, Fall 15**
- NRE 141: Basic Course in Environmental and Resource Economics (co-instructor) **Spring 14**

Teaching Assistant, Indian Statistical Institute Delhi:

- Econ 294: Environmental Economics (Graduate Course) **Spring 13**
- Stat 271: Statistics (STATA Instructor) (Graduate Course) **Fall 10**

CONFERENCE TALKS AND SEMINARS

- Third Annual Workshop by CECFEE, Udaipur, India, Nov, 2017.
- 13th Annual Conference on Economic Growth and Development, ISI, Delhi, Dec 2017.
- India Development Foundation, Gurugram, Nov 2017.
- Second Annual Workshop by CECFEE Sawai Madhopur, India, Oct 2016.
- 70th Research and Training Workshop by SANDEE in Pokhara, Nepal, Dec 2016.
- 68th Research and Training Workshop by SANDEE in Kathmandu, Nepal, Dec 2015.
- 67th Research and Training Workshop by SANDEE in Colombo, Sri Lanka, June 2015.
- Proposal writing workshop by SANDEE, Dhaka, Bangladesh, May 2015.
- 67th European Meeting of the Econometric Society, Gothenburg, Sweden, August 2013.
- Center for the Study of Equality, Social Organization and Performance, Oslo University, Norway 2012.
- International Energy Workshop, Cape Town University, South Africa, 2012.
- Fourth Climate Policy Outreach Workshop, Beijing, China, 2012.
- Third Climate Policy Outreach Workshop, Berlin, Germany, 2011.
- Second National Research Conference on Climate Change, IIT Delhi, India, 2011.
- The Energy and Resources Institute Seminar, New Delhi, India, 2011.
- Second Climate Policy Outreach Workshop, Xian, China, 2011.
- Seventh Annual Conference on Economic Growth and Development, ISI Delhi, India 2011.
- International Conference on Energy Security Index, National University of Singapore, 2009.
- Conference on Energy Security of Europe, Lund university, Sweden, 2007.

PROFESSIONAL ACTIVITIES

- Research Affiliate, Center for Research on Economics of Climate, Food, Environment and Energy (CECFEE), ISI Delhi.

- Member of Green Growth Knowledge Platform (GGKP) Conference Review Committee, 2014-15.
- (Past) Member of International Association of Energy Economics.
- (Past) Member of European Association of Environmental and Resource Economists.
- (Past) Member of Econometric Society.
- Reviewer for International Journal of Energy Economics.
- Reviewer for International Journal of Energy Policy.

ACADEMIC ACHIEVEMENTS AND FELLOWSHIPS

- Recipient of Sir Ratan Tata Fellowship at Assistant Professor Level (*Not Accepted*). **2016**
- Recipient of Senior Research Fellowship, Indian Statistical Institute. **2011-13**
- Recipient of Junior Research Fellowship, Indian Statistical Institute. **2008-10**
- College Topper in BA Honors Part I and II. **2001-02**

TRAINING PROGRAMS AND SOFTWARE SKILLS

Training Programs

- Workshop on Statistical Learning and Data Mining. Stanford University, California, USA, 2011.
- Summer School in Capability and Multidimensional Poverty. Oxford Poverty and Human Development Initiative (OPHI), New Delhi, India, 2008.

Software Skills

- STATA, Matlab, R, E-views

REFERENCES

- **E. Somanathan**
Economics and Planning Unit
Indian Statistical Institute
New Delhi, India
som@isid.ac.in
 - **Bharat Ramaswami**
Economics and Planning Unit
Indian Statistical Institute
New Delhi, India
bharat@isid.ac.in
 - **Abhiroop Mukhopadhyay**
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Indian Statistical Institute
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