

ESHITA GUPTA

Senior Research Fellow
Economics and Planning Unit
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EDUCATION

- **Ph.D. Economics** (*in progress*)
Economics and Planning Unit
Indian Statistical Institute
New Delhi, India
Expected Thesis Submission: July 2013
- **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

RESEARCH INTERESTS

Energy and Environment Economics, Applied Econometrics, Development Economics

PUBLICATIONS

- **Journal Articles**
 - 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 and Anandjit Goswami. Assessing relative oil vulnerability of oil importing countries. *Geopolitics of Energy*, Canadian Energy Research Institute, Vol 30, February 2008.
- **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. 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.
 - Pragma Jaswal and Eshita Gupta. Natural Gas Markets: A Global Perspective. *Energy Security Insights*, Vol 1, TERI, June 2006.

RESEARCH EXPERIENCE

- **Indian Statistical Institute, New Delhi** **July 08 - current**
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.External Project:
Consultancy Project (*on going*): **Jan 13 - July 13**
Sponsoring Agency: Central Electricity Authority of India
Project: Forecasting Electricity Demand (in India) for Electricity Power Survey of India.
- **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
- **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.

TEACHING EXPERIENCE

- Indian Statistical Institute, New Delhi.** *Teaching Assistant.*
- Econ 294: Environmental Economics (Graduate Course) **Spring 13**
 - Stat 271: Statistics (STATA Instructor) (Graduate Course) **Fall 10**

CONFERENCE TALKS AND SEMINARS

- 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

- Member of International Association of Energy Economics.
- Member of European Association of Environmental and Resource Economists.
- Member of Econometric Society.
- Reviewer for International Journal of Energy Policy.

ACADEMIC ACHIEVEMENTS AND FELLOWSHIPS

- 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**
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New Delhi, India
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 - **Bharat Ramaswami**
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