

RAMA MOHANA R. TURAGA

Associate Professor, Public Systems Group
Wing 6G, Indian Institute of Management, Vastrapur, Ahmedabad 380015, INDIA
+91-79-66324857 (Work); mohant@iima.ac.in
<http://www.iima.ac.in/~mohant>

EDUCATION

- **Georgia Institute of Technology, Atlanta, GA, USA**
Ph.D. in Public Policy (*Major: Environmental Policy; Minor: Econometrics*), 2007
- **Indian Institute of Technology, Kharagpur, India**
Master of Technology in Environmental Engineering, 1995
- **Andhra University, Visakhapatnam, India**
Bachelor of Engineering in Civil Engineering, 1993

APPOINTMENTS

- Indian Institute of Management, Ahmedabad, India
Associate Professor, Public Systems Group, Jan 2015 – Present
- Indian Institute of Management, Ahmedabad, India
Assistant Professor, Public Systems Group, Jun 2012 – Dec 2014
- Indian Institute of Management, Ahmedabad, India
Visiting Assistant Professor, Public Systems Group, Jun 2010 – May 2012
- Dartmouth College, Hanover, USA
Research Associate, Thayer School of Engineering, Feb 2008 – Jun 2010
- Georgia Institute of Technology, Atlanta, USA
Postdoctoral Research Fellow, School of Public Policy, May 2007 – Jan 2008
- Georgia Institute of Technology, Atlanta, USA
Graduate Research Assistant, School of Public Policy, Aug 2001 – Apr 2006
- Tata Consultancy Services, India
Business Analyst, Environmental and Natural Resources Management Group, Dec 1995 – Aug 2001

RESEARCH

Peer-reviewed Journal Papers

1. Nalini, B., Turaga, R.M.R., & Bhamoriya, V. Farmer Producer Organizations as Collectives: A Case Study. Accepted for publication in *Development Policy Review*
2. Bhaskar, K. & Turaga, R.M.R. Extended Producer Responsibility as an Instrument for Electronic Waste Management: A Critical Analysis of India's e-waste Rules. Accepted for publication in the *Journal of Industrial Ecology*
3. Turaga, R.M.R. (2016). The Politics of Formulation of Environmental Impact Assessment Regulation in India: A Case Study. *Journal of Environmental Assessment Policy and Management*, 18(2), 1650016
4. Turaga, R.M.R., Noonan, D., & Bostrom, A. (2015). Spatially Fine Regulation of Air Toxics. *Journal of Policy Analysis and Management*, 34(2), 298-327
5. Turaga, R.M.R., Howarth, R., & Borsuk, M. (2014). Perceptions of Mercury Risk and its Management. *Human and Ecological Risk Assessment*, 20(5), 1385-1405
6. Turaga, R.M.R. & Kandathil, G. (2014). Defining the Social Responsibility of Business: Whose Business is it? *Economic and Political Weekly*, Vol. XLIX, No. 7, February 15, 2014
7. Turaga, R.M.R., Noonan, D., & Bostrom, A. (2011). Hot Spots Regulation and Environmental Justice. *Ecological Economics*, 70(7), 1395-1405
8. Turaga, R.M.R., Howarth, R., & Borsuk, M. (2010). Pro-environmental Behavior: Rational Choice Meets Moral Motivation. *Annals of the New York Academy of Sciences*, 1185(2010), 211-224
9. Noonan, D., Turaga, R.M.R., & Baden, B. (2009). Superfund, Hedonics, and the Scales of Environmental Justice. *Environmental Management*, 44(5), 909-920
10. Baden, B., Noonan, D., & Turaga, R.M.R. (2007). Scales of Justice: Is there a Geographic Bias in Environmental Equity Analysis? *Journal of Environmental Planning and Management*, 50(2), 163-185
11. Bostrom, A., Barke, R., Turaga, R.M.R., & O'Connor, R. (2006). Environmental Concerns and the 'New Environmental Paradigm' in Bulgaria *Journal of Environmental Education*, 37(3), 25-40
12. Bostrom, A., Turaga, R.M.R., & Ponomariov, B. (2006). Earthquake Mitigation Decisions and Consequences. *Earthquake Spectra*, 22(2), 313-328
13. Turaga, R.M.R. & Bozeman, B. (2005). Red Tape and Public Organizations' Decision Making. *American Review of Public Administration*, 35(4), 363-379

14. Turaga, U.T. & Turaga, R.M. (2004). Science Policy for India: A Memo to the Indian Council of Scientific and Industrial Research. *Philosophy Today*, 48(5), 109-115
15. D. Nagesh Kumar, T. Rama Mohana Rao, & M. Bandyopadhyay. (1998). Optimal Design of Water Distribution System using Linear Programming Gradient (LPG) Method. *Journal of Indian Water Works Association*, Vol. XXX, 79-87

Book Chapter

1. Kathuria, V. & Turaga, R.M.R. (Forthcoming). Small Industry in India: Are CETPs an Appropriate Response toward Pollution Control? In "*Globalization and Standards: How Have Firms and Consumers Responded in India?*" Ed. Keshab Das, New Delhi: Springer

Ongoing Research

1. Policy Instruments for Electronic Waste Management under Extended Producer Responsibility Framework: A Review and Lessons for India's e-waste Rules (with Kalyan Bhaskar)
2. Does Economy Matter for Public Support for Environmental Protection? Evidence from India
3. Environmental values, risk perceptions, and pro-environment behavior (with Richard Howarth and Mark Borsuk)
4. Evaluating the impact of information on individual pro-environmental behavior using a survey-based experiment (with Mark Borsuk)
5. The politics of environmental standard setting in India: The case of air pollution standards for coal-fired power plants (with Anish Sugathan)
6. Adoption of ISO 14001 environmental management standards in India's manufacturing sector: Results from a survey (with Vishal Gupta)
7. Public information campaigns on swine flu and their impact on risk-averting behaviours (with Ankur Sarin and Rajesh Chandwani)

Teaching Cases

1. GAIL 'Saksham' Program: Remoulding the Future. A case study on GAIL's corporate social responsibility initiative (co-authored with Vishal Gupta and Swetha Mittal, under registration at IIM Ahmedabad Case Center)
2. Regulation of app-based taxi services in Delhi. Co-authored with Anish Sugathan and Sanjay Jena and currently under preparation for registration with IIM Ahmedabad Case Center

Presentations at International Conferences

1. "Macroeconomic conditions and the Economic Growth vs. Environmental Protection Debate in Developing Countries." Paper presented at the Environmental Politics and Governance Conference, Gerzensee, Switzerland, 16-19 June 2016
2. "Policy Instruments for Electronic Waste Management under Extended Producer Responsibility Framework: A Review and Lessons for India's e-waste Rules." Paper

presented (co-authored with Kalyan Bhaskar) at the 8th Biennial Conference of the Indian Society for Ecological Economics, Bangalore, 4-6 Jan 2016

3. "Extended Producer Responsibility as an Instrument for Electronic Waste Management: A Critical Analysis of India's e-waste Rules." Paper presented (co-authored with Kalyan Bhaskar) at the Annual Fall Research Conference of the Association of Public Policy Analysis and Management, Albuquerque, NM, 6-8 Nov 2014
4. "Perceptions of Mercury Risk and its Management." Paper presented (co-authored with Mark Borsuk) at the World Congress on Risk 2012, Sydney, Australia, 18-20 July 2012
- "Individual Responsibility and its Influence on Sustainable Behaviors: An Experimental Study in the Context of Mercury-reducing Actions." Paper presented (co-authored with Richard Howarth and Mark Borsuk) at the Sixth Biennial Conference of the United States Society for Ecological Economics, East Lansing, MI, 26-29 Jun 2011
- "Environmental Risk Indicators to Motivate Environmentally Responsible Behavior." Poster presented (co-authored with Mark Borsuk) at the Annual Meeting of the Society for Risk Analysis, Baltimore, MD, 6-9 Dec 2009
- "Designing environmental risk indicators to motivate sustainable behavior." Presented (co-authored with Mark Borsuk) at the Annual Meeting of the Society for Risk Analysis, Boston, MA, 7-10 Dec 2008
- "Hot Spots Regulation and Environmental Justice." Presented at the Thirtieth Annual APPAM Fall Research Conference, Los Angeles, 6-8 Nov 2008
- "Effects of Viewing Seismic Risk Maps on Subjective Probabilities and Risk Perceptions." Co-author (with Ann Bostrom and Richard Catrambone) on the paper presented by Bostrom at the XIII International Conference on the Foundations Applications of Utility, Risk and Decision Theory, Barcelona, 2-5 Jul 2008
- "Spatial Resolution and Equity in Risk-based Regulation." Presented (co-authored with Douglas Noonan and Ann Bostrom) at the Annual Meeting of the Society for Risk Analysis, San Antonio, TX, 9-12 Dec 2007
- "Manipulating Maps to Affect Risk Perception: The Effects of Landmarks and Dimensionality." Co-author on the poster presented at the 28th Annual Conference of the Society for Judgment and Decision Making, Long Beach, CA, 16-19 Nov 2007
- "Spatial Resolution, Costs, and Equity in Air Toxics Regulation." Poster presented at the Twenty-Ninth Annual APPAM Research Conference, Washington, D.C., 8-10 Nov 2007

- “Spatial Resolution in Air Toxics Regulation.” Presented (co-authored with Ann Bostrom) at the Annual Meeting of the Society for Risk Analysis, Baltimore, MD, 3-6 Dec 2006
- “Superfund, Hedonics, and the Scales of Environmental Justice.” Co-author (with Doug Noonan and Brett Baden) on the paper presented by Noonan at the 3rd World Congress of Environmental and Resource Economists, Tokyo, Japan, 3-7 Jul 2006
- “The Partnership for Environmental Research and Community Health (PERCH) Phase III, Part 1: Community-scale risk assessment in greater Pensacola, Florida.” Presented (co-authored with Ryan Gesser, Michael Chang, Ted Russell, and Ann Bostrom) at the 14th Joint Conference on the Applications of Air Pollution Meteorology with the Air and Waste Management Assoc., The 86th Annual Meeting of the American Meteorological Society, Atlanta, GA, 28 Jan – 3 Feb 2006
- “Spatial Decay of Urban Disamenities and Environmental Justice.” Co-author (with Brett Baden and Douglas Noonan) on the paper presented by Noonan at Southern Economic Association 2004 Annual Meeting, New Orleans, LA, 21-23 Nov 2004
- “Assessment Endpoints and Comparative Risk Analysis: The Case of Air Pollution.” Presented (co-authored with Ann Bostrom) at the Twenty-Sixth Annual APPAM Research Conference, Atlanta, GA, 28-30 Oct 2004
- “Acceptable Consequences in Earthquake Engineering Decisions.” Co-author on the poster presented by Ann Bostrom at the 13th World Congress on Earthquake Engineering, Vancouver, Canada, 1-6 Aug 2004
- “Environmental Risk Perceptions in Bulgaria.” Presented at the Meeting of Science & Technology Policy Programs, Washington, D.C., Jul 2003

TEACHING EXPERIENCE AND TRAINING

Indian Institute of Management Ahmedabad, India

- Instructor, Business, Environment, and Sustainability (MBA)
- Co-instructor, Managing Sustainability (MBA)
- Instructor, Probability & Statistics II & III (MBA)
- Co-instructor, Statistics for Data Analysis (Faculty Development Programme)
- Instructor, Applications for Data Analysis (Faculty Development Programme)
- Co-instructor, Crafting and Publishing of Research (Faculty Development Programme)
- Co-instructor, Investigating Corporate Social Irresponsibilities (MBA)
- Instructor, Public Policy Instruments for Environmental Management (Fellow Programme in Management)

- Co-instructor, Public Policy (Fellow Programme in Management, equivalent to Ph.D.)
- Co-instructor, Crafting and Publishing of Research (Fellow Programme in Management, equivalent to Ph.D.)

Dartmouth College, Hanover, NH, USA

- Successfully completed a Teachers Training Series conducted by the Dartmouth Center for Advancement of Learning, May 2009

School of Public Policy, Georgia Institute of Technology, Atlanta, GA, USA

- Guest Lecturer, Statistical Analysis for Public Policy, 2006-07
- Instructor, Math Refresher for Economics, 2005-06
- Teaching Assistant, Microeconomics, 2005-06
- Teaching Assistant, Statistics for Public Policy, 2001-02

Department of Civil Engineering, Indian Institute of Technology, Kharagpur, India

- Teaching Assistant, Engineering Mechanics, 1994-95

AWARDS AND HONORS

- Finalist, Dr. Alfred N. and Lynn Manos Page Prize for Sustainability Issues in Business Curricula, awarded by the Darla Moore School of Business at the University of South Carolina for innovative course design of the MBA course Managing Sustainability (worldwide competition), 2014
- Outstanding Ph.D. Student, School of Public Policy, Georgia Tech, 2007-2008
- Dean's Fellowship for Dissertation Support, Ivan Allen College and School of Public Policy, Georgia Tech (department-wide competitive award), 2006-2007
- Student Travel Award, Society for Risk Analysis (competitive award), 2006
- Air and Waste Management Association (Georgia Chapter) Research Scholarship (state-wide competitive award), 2006
- Kancharaddy Memorial Award for best paper, Journal of Indian Water Works Association, 1998
- Indian Institutes of Technology Graduate Aptitude Test in Engineering Scholarship, 1993-1995
- Outstanding academic performance recognized by nomination to Andhra University's Academic Senate, 1992

RESEARCH GRANTS

- **Co-Investigator**, "Research on Innovation in Manufacturing SMEs in India." Funded by Tilburg University, the Netherlands. Value: €28, 805 (Co-investigator: Vishal Gupta)

- **Principal Investigator**, “Energy Labeling of Household Appliances and Consumer Behavior.” Funded by the Indian Institute of Management Ahmedabad. Value: ₹ 1,35,000 (Co-investigator: George Kandathil)
- **Co-Investigator**, “Environmental Values, Beliefs, and Behavior.” Funded by the Rockefeller Center for Public Policy at Dartmouth College, Hanover, NH, 2009. Value: US \$20,173 (Principal Investigators: Richard Howarth and Mark Borsuk)
- **Principal Investigator**, “Environmental Values, Beliefs, and Behavior.” Time-sharing Experiments for the Social Sciences (<http://tess.experimentcentral.org/>). Funding for an online experiment-based survey, 2010. (Co-investigators: Mark Borsuk and Richard Howarth)

INDUSTRY EXPERIENCE

Environmental Management Consultant, Tata Consultancy Services, India, Dec 1995 – Aug 2001

Environmental Policy Analysis and Strategy

- Analyzed industrial pollution in Gujarat and proposed policy solutions in consultation with stakeholders, including NGOs, state agencies, and industrial associations
- Co-led World Bank-funded project to develop environmental indicators and build capacity for environmental management in Gujarat; wrote and presented report to the Chair of state pollution control agency
- Developed a database of hazardous waste generating industries in India’s four most-industrialized states; assessed applicability of various hazardous waste management technologies to Indian context

Environmental Impact Assessment (EIA)

- Co-led and participated in environmental impact assessments for new infrastructure, oil pipelines, and large power plants. Wrote rapid and comprehensive EIA reports used by clients to obtain regulatory permits and project financing
- Supervised third-party environmental monitoring agencies, monitored project budgets, mentored junior consultants, identified new business, and developed technical and financial proposals for new projects

PROFESSIONAL SERVICE AND AFFILIATIONS

- Chief Editor, *Vikalpa: The Journal for Decision Makers*
- Expert Committee Member for developing curriculum for the masters program in the School of Ecology and Environmental Studies at Nalanda University, India
- Expert panel member for review of research projects at the Ashoka Trust for Research in Environment and Ecology, Bengaluru, India

- Invited Speaker at the Sixth PRME (Principles for Responsible Management Education) ASIA Forum, Goa, India
- Member, Association for Public Policy Analysis and Management
- Member, Society for Risk Analysis
- Member, International Society for Ecological Economics
- Ad-hoc Reviewer: *Ecological Economics, Environmental Management, Environmental Science & Technology, Vikalpa, Journal of Urban Affairs, Journal of Environmental Planning and Management, Natural Hazards Review, Conservation, Resources, & Recycling, National Science Foundation*
- Discussant and panel organizer, APPAM Fall Meetings 2007 and 2008