

Archana M. Ghodeswar

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EDUCATION	Ph.D. Economics, Advisor: Matthew Oliver Georgia Institute of Technology, Atlanta, GA Thesis title: “Consequences of Environmental, Fiscal and Demand-side Policies in Energy Markets” Minor: Public Policy Masters (Economics) Georgia Institute of Technology, Atlanta, GA Masters in Power Systems Government College of Engineering, Aurangabad(MR), India Bachelor Electrical, Electronics and Power Engineering Government College of Engineering, Aurangabad(MR), India	May 2022 (expected) 2019 2011 1998
RESEARCH INTERESTS	Energy Markets, Environment Economics, Public Policy.	
PROFESSIONAL EXPERIENCE	Maharashtra State Electricity Distribution Company Limited, India a) Executive Engineer/Operations & Maintenance (Division Head) Responsibilities at district level: Energy policies implementation, revenue collection, & aggregate technical and commercial losses b) Assistant Engineer (Transmission & Distribution utility)	 2009-16 2005-09
WORKING PAPERS	Trading One Waste for Another? Unintended Consequences of Fly Ash Reuse Policy in the Indian Electric Power Sector : job market paper resubmitted after revision to <i>Energy Policy</i> . (website link to paper) Estimating Fiscal Arrangement of Electricity Business on Growth of a Nation; joint with Usha Nair-Reichert. (link) <i>drafting and data analysis stage</i> Energy economics of Internet of Things (IoT): Analysis of survey data from Ireland- <i>drafting and data analysis stage</i>	
WORK IN PROGRESS	Impact of societal factors on under five years child mortality across different Caste groups in India; joint with Dr.Smita Pakhale , and Preshit Ambade, Ottawa Hospital Research Institute- <i>Paper drafting stage</i> From Global to Local- Defeating Energy Poverty- The Atlanta Beltline Case- <i>expansion stage</i> (website link to paper) The environmental equity impacts of power plant air pollution: A case study in Georgia, USA; joint with Valerie M. Thomas - <i>data analysis stage</i> Consumer dynamics and responsiveness to the adoption of new technology in the State electricity sector; joint with Usha Nair-Reichert , and Anjali Thomas - <i>Survey stage</i>	 2019 2019 2021 2019

RESEARCH EXPERIENCE	Research Assistant	
	Patents and copyrights with Usha Nair-Reichert	2017
	Consumer Behavior, Efficiency and Sustainability in India's Power Sector, Strategic Energy Institute with Usha Nair-Reichert, and Anjali Thomas	2018
	Use of fly-ash in the construction of Solar Power plant, and for manufacturing electrically insulated paints : Common Facility Center, India	2014
	Economics: Utilization of fly ash in the construction of solar power plants: Laboratory research results that I presented in the international seminar on 'Emerging building and construction technologies' in March 2016 at New Delhi. The conference was arranged by the Ministry of Housing and Urban Poverty Alleviation, Government of India. (website link to paper)	2016
CURRENT PROJECT	Causal analysis of the high energy burden of black households in Georgia, US, and policy recommendations; funded by Sierra Club: with Dr. Marilyn Brown-	
REFeree SERVICE	Energy Policy	
PAPER PRESENTED	31 st Ivan Allen College CRIDC Conference, Atlanta, GA	2020
	88 th International Atlantic Economic Conference, Miami, FL	2019
	32 nd Ivan Allen College CRIDC Conference , Atlanta, GA	2021
TEACHING INTERESTS	Macroeconomics, Microeconomics, Energy Economics, Environmental Economics, Public Policy.	
TEACHING EXPERIENCE	Instructor of Record	
	ECON 2105: Principles of Macroeconomics (on campus) Class size: 85	Spring 2021
	ECON 2105: Principles of Macroeconomics (on campus) Class size:100	Fall 2021
	ECON 2105: Principles of Macroeconomics (online) Class size: 80	Fall 2020
	ECON 2105: Principles of Macroeconomics (online) Class size: 55	Summer '20
	Teaching Assistant	
	ECON 2106 OS: Principles of Microeconomics	Spring 2020
	ECON 3300: International Energy Markets	Fall 2019
	ECON 2101: The Global Economy	Spring 2018
	ECON 4311: The Global Enterprise	Fall 2017
	Peer tutoring	
	ECON 6140: Probability and Statistics (1 to 3)	Fall 2019
	ECON 3300: International Energy Markets (1 to 1)	Fall 2019
	ECON 6106: Microeconomic Analysis (1 to 4)	Fall 2019

HONORS AND <u>AWARDS</u>	Essay competition runner-up in the Ivan Allen College CRIDC Conference in Atlanta- Second award, \$1000.	2021
	Winner of “Energy Case Competition – 2020 Southeastern Energy Conference” - “Case presentation on strategies to alleviate energy poverty along Atlanta beltline”	2020
	Passed LEED Green Associate Exam (Leadership in Energy and Environmental Design) conducted by USGCB	2019
	3MT Thesis Competition” finalist- “Industrial Ecology: Alert today, Alive tomorrow”	2019
	Chhatrapati Shahu Maharaj Overseas Scholarship”, Government in India- \$173,250.	2016-2020
	Best Government Officer Award”, Chandrapur District Journalist Association	2015
	India Power Award-2014”, National Council of Power Utilities, India	2014
COMPUTER SKILLS	Statistical software – Stata (proficient), R (moderate) , Python (beginner) Data visualization and Analytical Tool - Tableau Remote sensing and GIS (latest work)	
WORKSHOPS ATTENDED	Southeastern Energy & Environmental Economics Workshop at Georgia Tech	2019
	Georgia Tech School of Economics Web-scraping Workshop	2017
	Solar Power Generation Avenues in India-Technical and Financial Feasibility Training: New Delhi	2015
	Revenue Management and Loss reduction Training, Hyderabad	2014
ONLINE COURSES	QGIS & Google Earth Engine for Environmental Applications	2021
	Google Earth Engine for Machine Learning & Change Detection ...by Kate Alison on Udemy	
	Energy Within Environmental Constraints ...by David Keith, HarvardX- ENGSCI137x – EdX	2020
	Tableau 20 A-Z and Advance for data science- ... by Kirill Eremenko on Udemy	2018
UNIVERSITY ENGAGEMENT	Member of GT Energy Club	
	Team member of Annual Graduate Conference-2019	
