

Curriculum Vitae

Anubhab Pattanayak

Present Address:

Madras School of Economics (MSE)
Gandhi Mandapam Road
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EDUCATION

Ph.D. in *Economics*, 2017

Madras School of Economics (MSE), Chennai, India (Affiliated to University of Madras)

Thesis Title: *Economic Analysis of Climate Change Impacts and Adaptation in Indian Agriculture*

Supervisor: Dr. K. S. Kavi Kumar (Professor, Madras School of Economics)

Master of Science in *Economics*, 2008

Madras School of Economics (MSE), Anna University, Chennai, India

Bachelor of Arts in *Economics (Honors with Distinction)*, 2005

BJB College (Autonomous), Bhubaneswar, Utkal University, Odisha, India

PROFESSIONAL EXPERIENCE (TEACHING EXPERIENCE: 6 YEARS)

- Assistant Professor, *Madras School of Economics*, Chennai: July, 2017 –
- Lecturer, *Madras School of Economics*, Chennai: August, 2015 – June, 2017
- Research Associate at Centre of Excellence (CoE), *Madras School of Economics*: May-July, 2015
- Researcher at *Panos South Asia (PSA)*, Chennai: October 2013 – February 2014
- Young Scientist at *International Institute for Applied Systems Analysis (IIASA)*, Laxenburg, Austria: June – August, 2012
- Economist at Nathan Economic Consulting India Pvt. Ltd., Chennai: March – September, 2010
- Business Analyst at Hewlett-Packard (Global E-Business Operations Pvt. Ltd), Bangalore: July 2008 – February, 2010

TEACHING EXPERIENCE

- Taught Mathematical Methods, Econometric Methods, Sustainable Development, Resource and Environmental Economics to Masters Students at Madras School of Economics

AREAS OF SPECIALIZATION/INTEREST

Economics of Climate Change and poverty, Environmental Economics, Applied Econometrics, Development Economics, Mathematical Economics and Microeconometrics

COMPUTER SKILLS

- Operating Systems: Windows/Linux
- Econometric Software: Stata® (Proficiency), R, EViews, SAS (Beginners's knowledge)
- GIS Tools/Softwares: ArcGIS, MapInfo (Beginner's knowledge)
- Office/Document Processing Tools: MS Office(Proficiency)

PUBLICATIONS

Peer-Reviewed Journals

- Pattanayak, A., K. S. Kavi Kumar, Lavanya R. Anneboina (2021). "Distributional impacts of climate change on agricultural total factor productivity in India", *Journal of the Asia Pacific Economy* (Forthcoming)
- Pattanayak, A. and K. S. Kavi Kumar (2020). "Does weather sensitivity of rice yield vary across sub-regions of a country? Evidence from Eastern and Southern India", *Journal of the Asia Pacific Economy*. [10.1080/13547860.2020.1717300](https://doi.org/10.1080/13547860.2020.1717300)
- Pattanayak, A. and K. S. Kavi Kumar (2015). "Accounting for Impacts due to Climate Change in GHG Mitigation Burden Sharing", *Climate Policy*, Vol. 15 (6). 724-742
- Pattanayak, A. and K. S. Kavi Kumar (2014). "Weather Sensitivity of Rice Yield: Evidence from India", *Climate Change Economics*, 5(4), 1450011

Book Volumes (Edited)

- Pattanayak, A. and K. S. Kavi Kumar (2016). "Climate Change Burden Sharing: A Re-appraisal of the Equity Debate", In Prof. K. R. Shanmugam and Prof. K. S. Kavi Kumar (Eds.) *Environment and Development: Essays in Honour of Dr. U. Sankar*, Sage India Publications

Working Papers

- Madhumitha, S., K. S. Kavi Kumar, A. Pattanayak (2021). "Crop Diversity and Resilience to Droughts: Evidence from Indian Agriculture", *Madras School of Economics Working Paper*, No. 205, February
- Sandhani, M., A. Pattanayak, and K. S. Kavi Kumar (2020). "Impact of Climate Change on Economic Growth: A Case Study of India", *Madras School of Economics Working Paper*, No. 204, September
- Pattanayak, A. and K. S. Kavi Kumar (2019). "Fiscal Transfers, Natural Calamities and Partisan Politics – Evidence from India", *Madras School of Economics Working Paper*, No. 184, July
- Pattanayak, A. and K. S. Kavi Kumar (2019). "Assessment of Climate Change Impacts and Adaptation: A Methodological Review and Application to Indian Agriculture", *Madras School of Economics Working Paper*, No. 183, July
- Kavi Kumar, K. S., Pattanayak, A., Viswanathan, B., Chaturvedi, A. (2019). "Climate Risk and Rural India: Research and Policy Issues", *Madras School of Economics Working Paper*, No. 182, May
- Pattanayak, A. and K. S. Kavi Kumar (2017). "Does Weather Sensitivity of Rice Yield Vary Across Regions? Evidence from Eastern and Southern India", *Madras School of Economics Working Paper*, No. 162, March
- Pattanayak, A. and K. S. Kavi Kumar (2013). "Weather Sensitivity of Rice Yield: Evidence from India", *Madras School of Economics Working Paper*, No. 81, September

Research/Project Reports

- "Distributional Effects of the Impacts of Climate Change on Indian Agriculture", the NATCOM Cell, Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India, Funded by UNDP-MoEFCC-GEF (June 2020) (Co-authored with Dr. Lavanya R. Anneboina)

- “State of Environment Report for Tamil Nadu”, Department of Environment, Government of Tamil Nadu (June 2017) (Co-authored with Prof. K.S. Kavi Kumar, Dr. Lavanya Ravikanth, and Dr. A. Balasubramanian)
- “Enhancing Climate Change Awareness and Understanding amongst Journalists in South Asia” (February 2014), Baseline and Country Studies and Media Impact Assessment Report submitted to Panos South Asia (PSA), Chennai (Funded by the Climate and Development Knowledge Network (CDKN))
- “Poverty, Risk, and Climate Change in Rural India: Characterizing Sensitivity of Farming Communities to a Changing Climate” (October 2012), Summer Research Report submitted to the Risk, Policy and Vulnerability (RPV) programme (IIASA), funded by TIFAC (Dept. of Science and Technology, Govt. of India) and IIASA under the India-IIASA programme

Others

- “Urbanization and Environment in Tamil Nadu: An Assessment”, in Green Thoughts, Centre of Excellence (CoE) in Environmental Economics Newsletter, Vol. 7(2), March 2017. http://coe.mse.ac.in/newsletter/GreenBook_Mar2017.pdf

RESEARCH PROJECTS

- Co-principal Investigator for the project titled “Distributional Effects of the Impacts of Climate Change on Indian Agriculture” under the “Preparation of Third National Communication (TNC) and other new information to the UNFCCC” Project (Funded by UNDP).
- Worked as Contributing Author and Member of the Core Research Team on “State of Environment Report for Tamil Nadu” funded by Department of Environment, Government of Tamil Nadu.

AWARDS & ACHIEVEMENTS

- TIFAC-IIASA international fellowship to participate in the Young Scientists Summer Programme (YSSP) at the International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria: June-August, 2012 (Funded by Technology Information, Forecasting and Assessment Council (TIFAC), Department of Science and Technology, Government of India)
- Raja J. Chelliah Doctoral Research Fellowship for pursuing Ph.D. in Economics at the Madras School of Economics during 2010-2014
- Recipient of the Madras School of Economics Top Rankers Merit Scholarship, 2006-2007
- Recipient of Government of Odisha Senior Merit Scholarship during the Undergraduate Studies, 2002-2005
- Recipient of Government of India (GOI) Hindi Merit Scholarship during the Undergraduate Studies, 2002-2005
- Certificate of Merit by the Chief Minister, Government of Odisha for overall 10th rank in the state CHSE (Class 12) examination, Odisha, 2002

SEMINAR/CONFERENCE/WORKSHOP PRESENTATIONS

- ‘Impact of Climate Change on Economic Growth: A Case Study of India’ Presented at the 8th Annual Madras School of Economics Seminar Retreat, **Madras School of Economics**, Chennai, December 4-5, 2020
- ‘Fiscal Transfers, Natural Calamities and Partisan Politics – Evidence from India’, 5th Annual Workshop, Centre for Research on the Economics of Climate, Food, Energy and Environment (CECFEE), Tezpur University, Tezpur, November 10-11, 2019

- 'Fiscal Transfers, Natural Calamities and Partisan Politics – Evidence from India', The Tenth INSEE Biennial Conference on Climate Change and Disasters: Challenges, Opportunities and Responses, **Center for Economic and Social Studies (CESS)**, Hyderabad, November 6-8, 2019
- 'Climate Change and Indian Agriculture: Methodological Issues', *Panel Discussion*, The Tenth INSEE Biennial Conference on Climate Change and Disasters: Challenges, Opportunities and Responses, **Center for Economic and Social Studies (CESS)**, Hyderabad, November 6-8, 2019
- 'Does Weather Sensitivity of Rice Yield Vary Across Regions? Evidence from Eastern and Southern India' Presented at the National Seminar on Green Revolution and Agricultural Sustainability in India: Issues and Challenges, **Ravenshaw University**, Cuttack, February 23-24, 2019
- 'Fiscal Transfers, Natural Calamities and Partisan Politics - Evidence from India' Presented at the Roundtable on Fiscal Federalism in India: Contemporary Perspectives, **Madras School of Economics**, Chennai, February 22-23, 2019
- 'Assessing impacts of climate change and climate trends on agriculture: A methodological review and application to Indian agriculture' Presented at the 7th Annual Madras School of Economics Seminar Retreat, **Madras School of Economics**, Chennai, February 1-2, 2019
- 'Assessing Impacts of Climate Change and Climate Trends on Agriculture: A Methodological Review and Application to Indian Agriculture' Presented in National Workshop on Economic Costs of Climate Change In Rural India, **Madras School of Economics**, Chennai, India, 12-13th July, 2018
- 'Does Weather Sensitivity of Rice Yield Vary Across Regions? Evidence from Eastern and Southern India', Poster Presentation in São Paulo School of Advanced Science on Climate Change: Scientific basis, adaptation, vulnerability and mitigation, **Institute of Astronomy, Geophysics and Atmospheric Sciences, University of São Paulo (IAG/USP)**, São Paulo, Brazil, 3rd –15th July, 2017
- 'Estimating the Cost of Adaptation to Climate Change in Indian Agriculture', 5th Annual Madras School of Economics (MSE) Seminar Retreat, **Yercaud**, March 21-23, 2015
- 'Weather Sensitivity of Rice Yield in India – Some Distributional Aspects', 4th Annual Madras School of Economics Seminar Retreat, **Central University of Tamil Nadu**, Thiruvarur, February 26-27, 2014
- 'Weather Sensitivity of Rice Yield: Evidence from India', 9th Annual Conference on Economic Growth and Development, **Indian Statistical Institute (ISI)**, Delhi, December 19-21, 2013
- 'Weather Sensitivity of Rice Yield: Evidence from India', Fourth National Research Conference on Climate Change, **Indian Institute of Technology Madras (IITM)**, Chennai, October 26-27, 2013
- 'Poverty, Risk, and Climate Change in Rural India: Characterizing Sensitivity of Farming Communities to a Changing Climate', One-day Workshop in **Technology Information, Forecasting and Assessment Council (TIFAC)**, Department of Science and Technology (DST), Government of India, New Delhi, October 18, 2013
- 'Characterizing Sensitivity of Farming Communities to a Changing Climate' at the Third National Research Conference on Climate Change, **Indian Institute of Science (IISc)**, Bangalore, November 3-4, 2012
- 'Poverty, Risk, and Climate Change in Rural India: Characterizing Sensitivity of Farming Communities to a Changing Climate', Late Summer Workshop, **IIASA**, Laxenburg, Austria, August 23-24, 2012
- '*Climate Change Burden Sharing: A Reappraisal of the Equity Debate*', Second National Research Conference on Climate Change, **Indian Institute of Technology Delhi (IITD)**, November 5-6, 2011

- ‘*Vulnerability to Climate Change Alone?: An Alternative Perspective to Define Vulnerability*’ at International Conference on “Adaptive Management of Ecosystems: The Knowledge Systems of Societies for Adaptation and Mitigation of Impacts of Climate Change” in **Institute for Social and Economic Change (ISEC)**, Bangalore, October 19-21, 2011

OTHER RESEARCH & ACADEMIC ACTIVITIES

- Participated in São Paulo School of Advanced Science on Climate Change: Scientific basis, adaptation, vulnerability and mitigation, São Paulo, Brazil, 3rd – 15th July, 2017
- Participated in Low Carbon Growth (LCG) Modeling Training Workshop of the World Bank, New Delhi, December 13-15, 2011
- Participated in Students’ International Workshop on Law and Economics held at IGIDR, Mumbai under the Second Asia Link Programme, organized by The European Union and the Ministry of HRD, Government of India (GOI), June 11-29, 2007

PERSONAL DETAILS

Date of Birth: 20th June 1985

Sex: Male

Nationality: Indian

Languages: English, Hindi, Odiya (Proficiency),
Tamil (Basic Understanding)