

AMIR S. JINA

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citizenship: Irish

APPOINTMENT

Assistant Professor Harris School of Public Policy, University of Chicago, 2017-

AFFILIATIONS

Beijer Young Scholar Beijer Institute, Royal Swedish Academy of Sciences, 2016-
 Future Council Fellow Council on Environment and Natural Resource Security, WEF, 2016-2017
 Research Affiliate Urban Energy & Environment Lab, University of Chicago, 2015-

PREVIOUS APPOINTMENTS

Postdoctoral Scholar Economics Department, University of Chicago, 2014-2017
 Energy Policy Institute of Chicago (EPIC) Fellow, 2014-2017
 Visiting researcher Goldman School of Public Policy, UC Berkeley, 2013-2014

EDUCATION

Ph.D. Sustainable Development, Columbia University, 2014
 M.Phil., M.A. Sustainable Development, Columbia University, 2013
 M.A. Climate and Society, Columbia University, 2009
 B.A.(Mod) Mathematics (First class honours), Trinity College Dublin, 2006
 B.A. Theoretical Physics, Trinity College Dublin, 2004

PUBLICATIONS & WORKING PAPERS

- “Estimating economic damage from climate change in the United States.” Research Article. **Science**. 356(6345): 1362-1369. 2017. (with S. Hsiang, R. Kopp, J. Rising, M. Delgado, S. Mohan, DJ Rasmussen, R. Muir-Wood, P. Wilson, M. Oppenheimer, K. Larsen, and T. Houser)
- “The Causal Effect of Environmental Catastrophe on Long-Run Economic Growth: Evidence from 6,700 cyclones.” *NBER working paper no. 20352*. 2014. [revision requested from **Journal of Political Economy**] (with S.M. Hsiang)
- “Extreme Air Pollution in Global Megacities.” Invited review. **Current Climate Change Reports**. 2(1): 15-27. 2016. (with M.E. Marlier, R.S. DeFries, and P.L. Kinney)
- “Satellites, Self-reports, and Submersion: Exposure to Floods in Bangladesh.” **American Economic Review: Papers and Proceedings**. 105(5): 232-36. 2015. (with R.P. Guiteras, and A.M. Mobarak)
- “Geography, Depreciation, and Growth.” **American Economic Review: Papers and Proceedings**. 105(5): 252-56. 2015. (with S.M. Hsiang)
- “Economic Risks of Climate Change: An American Prospectus.” *Columbia University Press*. 2015. (with T. Houser, S. Hsiang, R. Kopp, M. Delgado, K. Larsen, M. Mastrandrea, S. Mohan, R. Muir-Wood, DJ Rasmussen, J. Rising, and P. Wilson)
- “Smallholder farmer cropping decisions related to climate variability across multiple regions.” **Global Environmental Change**, 25, 163–172. 2014. (with S. Wood, M. Jain, R.S. DeFries, and P. Kristjanson)
- “Biophysical and Socioeconomic Factors Associated with Forest Transitions at Multiple Spatial and Temporal Scales.” **Ecology and Society**. 16(3). 2011. (with M. Jain, C.B. Yackulic, M. Fagan, Y. Lim, M. Marlier, R. Muscarella, P. Adame, R.S. DeFries, M. Uriarte)

SELECTED RESEARCH IN PROGRESS

- “Infant Mortality and Fertility Effects of Particulate Matter in Developing Countries: Evidence from 1,000,000 Births” with Jesse Anttila-Hughes (U. SF), Miriam Marlier (UCLA), and Apostolos Voulgarakis (Imperial)
- “Human Capital Production in the Presence of ‘Routine’ Shocks: Evidence from Bangladesh” with Raymond Guiteras (U. Maryland) and A. Mushfiq Mobarak (Yale)
- “Adverse Coping Strategies to Economic Shocks: Evidence from Sex Workers in India and Vietnam” with Jesse Anttila-Hughes (U. SF) and Kate Pennington (UC, Berkeley)
- “Long-range Externalities and Human Capital: Evidence from Atmospheric Models and Indonesian Megafires” with Miriam Marlier (UCLA)
- “Adaptation or Selection: Explaining Global Differences in Climate-related Mortality” with [U. Chicago:] Michael Greenstone, Ashwin Rode, Ishan Nath, Arvid Vienne, Samuel Seo, [UC, Berkeley:] Solomon Hsiang, Tamma Carleton, [Columbia:] Alice Zhang
- “Human Productivity in a Warmer World: Impact of Climate Change on the Global Workforce” with [U. Chicago:] Michael Greenstone, Ashwin Rode [UC, Berkeley:] Solomon Hsiang, Tamma Carleton, Andy Hultgren, Matthew Pecenco, [Princeton:] Rachel Baker, [Columbia:] Anthony D’Agostino, Tim Foreman

RESEARCH, GRANTS & FIELD EXPERIENCE

- Co-Principal Investigator, RCT: Evaluating economic impacts of passive cooling technologies in Delhi, U. Chicago Urban Labs & EPIC & EPIC India (2016-)
- Co-Investigator, IGC Grant “Food Security and Social Stability in Africa: New estimation methods for data-driven climate projections in data-sparse regions”, GBP 99,091 (2015)
- Co-Investigator, IGC Grant “Indian Climate Early Warning System”, GBP 106,003 (2015)
- Research advisor, RCT: Incentivizing Community Health Worker Performance in Ghana, Earth Institute at Columbia, Ghana Community Health Worker project (2014-2015)
- Econometrics research team, “American Climate Prospectus: Economic Risks in the United States”, (2013-2014)
- Contributing author, UN ISDR “3rd Global Assessment Report” (Released May 2013)
- Research fellow, International Growth Centre (IGC), Dhaka, Bangladesh (2012)
- Research grant, Center for International Business Education and Research, Columbia University, \$2,000 (2011)
- Researcher, Field research with rural households for Columbia Water Center, Gujarat, India (2010)
- Technical Advisor on Climate Adaptation, Bangladesh Red Crescent Society, Dhaka, Bangladesh (2009)
- Scholar for Humanitarian Work: advisor on Disaster Risk Reduction, International Federation of Red Cross South Asian delegation in Delhi, India (2009)

REFEREE SERVICES

Journal of Political Economy; Review of Economics and Statistics; Journal of Economic Growth; Journal of Environmental Economics and Management; Journal of the Association of Environmental and Resource Economics; Nature Communications; Proceedings of the National Academy of Sciences; Demography; Economic Development and Cultural Change; Environment and Development Economics; Ecological Economics; Climatic Change; Global Environmental Policy; National Science Foundation; China Economic Review

TEACHING EXPERIENCE

- Lead curriculum design and content production for Jeffrey Sachs “Age of Sustainable Development” MOOC course. Released as “The Age of Sustainable Development” by J.D. Sachs, Columbia University Press.
- Co-Instructor & Teaching fellow (w/ Jeffrey Sachs): Challenges of Sustainable Development (2011, 2012, 2013)
- Teaching fellow (w/ John Mutter): Environmental Science, 1st year Ph.D. students (2010, 2011, 2012)
- High school teacher in Shizuoka Prefecture, Japan, JET Programme (2006-2008)

FELLOWSHIPS, HONORS & AWARDS

Outstanding Student Paper Award at American Geophysical Union Conference (2012)
Lead organizer, 2nd Interdisciplinary Ph.D. Workshop in Sustainable Development (2012)
Teaching award for Challenges of Sustainable Development (2011)
President, Sustainable Development Doctoral Society, Columbia University (2011-2012)
Faculty Fellowship, Columbia University (2009-2013)
Youth leader, UNEP Sustainability Generation Workshop, Nairobi, Kenya (2009)
Scholarship, Climate and Society Program, Columbia University (2008)
Entrance Exhibition, Trinity College, Dublin (2000)

CONFERENCES & INVITED PRESENTATIONS (incl. scheduled)

2017: ASSA meetings; NBER EEE Spring Meeting; Carnegie Mellon University; Macro and Micro Economics of Climate Change (UCSB); Advances in Estimating Economic Effects from Climate Change Using Weather Observations (Stanford)

2016: ASSA meetings; U. Chicago (EPIC lunch); U. Maryland; U. Chicago Harris; Geospatial Analysis of Disasters (Heidelberg, Germany); Duke University; Global Future Council (WEF, Dubai)

2015: ASSA meetings; American Meteorological Society meeting; World Bank (macro seminar); Mayor's Office of the City of Chicago; "Climate Injustice: Are there solutions?" (CUNY); NBER Summer Institute (Income Distribution); NEUDC (Brown); Stockholm University

2014: Pacific conference for Development Economics (UCLA); UC Berkeley (Development lunch); UC Berkeley (ARE seminar); NBER Summer Institute (EEE); BREAD (LSE); NEUDC (Boston University); American Geophysical Union Fall Meeting

2013: University of San Francisco; "Labor market impacts of environmental policies conference" (IZA Bonn); Advanced Graduate Workshop (Bangalore, India); AGU Fall Meeting

2012: "ICARUS" (U. Michigan); AGU Fall Meeting (Outstanding Paper award)

PHOTOGRAPHY

Getty Images photographer; website: www.flickr.com/photos/amirjina
Published in articles, reports, and materials produced by Center for Strategic & International Studies; Columbia Water Center; Convention on Biological Diversity; Cordaid Microkredit; Devex.com; Earth Institute; Green Cross (exhibition, Geneva); Humanitarian Practice Network (HPN); International Federation of the Red Cross (IFRC); IFRC South Asian Delegation; International Food Policy Research Organization (IFPRI); International Growth Centre (IGC); International NGO Training and Research Centre (INTRAC); International Research Institute for Climate and Society (IRI); Japanese Embassy Ireland; London School of Economics (LSE); National Bureau of Asian Research (NBR); National Oceanic and Atmospheric Administration (NOAA); Smithsonian Institute; United Nations' International Strategy on Disaster Reduction (UNISDR); Urban Climate Change Research Network (NASA); World Bank; World Development Report 2014; World Resources Institute (WRI)

SOFTWARE Stata, Matlab, GIS, Python, R, Photoshop, Illustrator

LANGUAGES English (native); Japanese, Irish (intermediate); Hindi, German (beginner)