

# Jamie T. Mullins

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## **Academic Position:**

University of Massachusetts Amherst

- Associate Professor (with Tenure): Resource Economics Department, 9/2022 – Present
- Assistant Professor: Resource Economics Department, 7/2015 – 8/2022

## **Education:**

Ph.D. – Economics: 2015 – University of California San Diego

*Dissertation Title:* The Regulation and Health Effects of Air Pollution

*Committee:* Joshua Graff Zivin (Chair), Richard Carson, Gordon Dahl, Craig McIntosh,  
Prashant Bharadwaj, Gordon McCord

M.A. – Economics: 2012 – University of California San Diego

B.S. – Industrial Engineering and Operations Research: 2006 – University of California Berkeley

## **Fellowships and Positions:**

- Erskine Fellow, University of Canterbury, Christchurch, NZ, 2023.
  - Editorial Council Member, Journal of Environmental Economics and Management, 2023-Present.
  - Research Collaborator with the Crisis Text Line and CrisisTrends.org, 2021-Present.
  - UMass Sustainability Curriculum Fellow, 2018-2019.
  - Lone Mountain Fellow: Property and Environment Research Center (PERC), Bozeman, MT, 2016.
  - Center on Emerging and Pacific Economies (EmPac) Pre-Doctoral Fellow, UCSD, 2012-2014.
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## **Publications:**

Udugama, Gayan, and Jamie T. Mullins “**Valuing the Disamenity of Open Dump Sites: A Sri Lankan Case Study.**” *Journal of Environment and Development* (Accepted).

Srivastava, Sparshi, and Jamie T. Mullins. “**Temperature, Mental Health, and Individual Crises: Evidence from the Crisis Text Line.**” *American Journal of Health Economics* (Forthcoming).

Hargrave, J. Rebecca, Richard W. Harper, Brett J. Butler, and Jamie T. Mullins “**Influence of Community Characteristics on Urban Forest Management Programs in New York State.**” *Cities and the Environment (CATE)*: Vol. 17: Iss. 1, Article 3 (2024).

Molitor, David, Jamie T. Mullins, and Corey White. “**Air pollution and suicide in rural and urban America: Evidence from wildfire smoke.**” *Proceedings of the National Academy of Sciences* 120, no. 38 (2023): e2221621120.

Hargrave, J. Rebecca, Richard W. Harper, Brett J. Butler, and Jamie T. Mullins. “**Municipal Forest Program Management in the United States of America: A Systematic Review.**” *Forests* 14, no. 1 (2022): 35.

Sexton, Steven, Zhenxuan Wang, and Jamie T. Mullins. “**Heat Adaptation and Human Performance in a Warming Climate.**” *Journal of the Association of Environmental and Resource Economists* 9, no. 1 (2022): 141-163.

Mullins, Jamie T., and Corey White. “**Can access to health care mitigate the effects of temperature on mortality?.**” *Journal of Public Economics* 191 (2020): 104259.

- Gibson, Matthew, and Jamie T. Mullins. "**Climate risk and beliefs in New York floodplains.**" *Journal of the Association of Environmental and Resource Economists* 7.6 (2020): 1069-1111.
- Mullins, Jamie T. and Corey White, "**Temperature and Mental Health: Evidence from the Spectrum of Mental Health Outcomes,**" *Journal of Health Economics* 68 (2019): 102240.
- Shepherd, Andrew, and Jamie T. Mullins. "**Arthritis diagnosis and early-life exposure to air pollution.**" *Environmental Pollution* 253 (2019): 1030-1037.
- Mullins, Jamie T., "**Motivating Emissions Cleanup: Absolute vs. Relative Performance Standards.**" *Journal of Environmental Economics and Management* 91 (2018): 66-92.
- Mullins, Jamie T., "**Ambient Air Pollution and Human Performance: Contemporaneous and Acclimatization Effects of Ozone Exposure on Athletic Performance.**" *Health Economics* 27 (2018): 1189-1200.
- Mullins, Jamie, Joshua Graff Zivin, Andrea Cattaneo, Adriana Paolantonio, and Romina Cavatassi, "**The Adoption of Climate Smart Agriculture: The Role of Information and Insurance under Climate Change,**" in *Climate Smart Agriculture - Building Resilience to Climate Change*, D Zilberman, L Lipper, N McCarthy, S Asfaw, and G Branca (Eds.) Springer, 2018: 353-383.
- Bharadwaj, Prashant, Joshua Graff Zivin, Jamie T. Mullins, and Matthew Neidell. "**Early-life Exposure to the Great Smog of 1952 and the Development of Asthma.**" *American Journal of Respiratory and Critical Care Medicine* 194, no. 12 (2016): 1475-1482.
- Graff Zivin, Joshua, and Jamie Mullins. "**Vessel Buybacks in Fisheries: The Role of Auction and Financing Structures.**" *Marine Policy* 53 (2015): 188-197.
- Currie, Janet, Joshua Graff Zivin, Jamie Mullins, and Matthew Neidell. "**What Do We Know About Short-and Long-Term Effects of Early-Life Exposure to Pollution?.**" *Annual Review of Resource Economics* 6, no. 1 (2014): 217-247.
- Mullins, Jamie, and Prashant Bharadwaj. "**Effects of Short-Term Measures to Curb Air Pollution: Evidence from Santiago, Chile.**" *American Journal of Agricultural Economics* (2014): aau081.

### **Grant-Based Projects:**

*NSF Funded Planning Grant:* Understanding Heat Resiliency via Physiological, Mental, and Behavioral Health Factors for Indoor and Outdoor Urban Environments w/ Suren Jayasuriya, Ariane Middel, and Tauhidur Rahman, 2020-2021.

*UMass Internally Funded Grant:* "Temperature, Air Pollution, and Performance in the Information Economy: Conditions and Outcomes in New Delhi," w/ Alex Hollingsworth, 2020-2021.

### **Working Papers:**

"Weather, Climate, and Migration in the United States," with Prashant Bharadwaj. NBER Working Paper No. 28614. – New Version with Patrick Baylis and Nicholas Obradovich also.

"Flood Insurance: Demand and Selection." with Matthew Gibson and Carolyn Kousky.

"Driving Avoidance Behavior: The Benefits of Government Warnings and Precautionary Public Action Regarding Air Pollution," with Kelly L. Hellman.

### **Research in Progress:**

"Cognitive Capacity, Mental Well-Being, and the Local Environment: Evidence from Urban India in the Time of COVID," with Patrick Carlin and Alex Hollingsworth.

“Worker Productivity and Local Environmental Conditions in Indian Call Centers,” with Sarojini Hirshleifer and Deepshikha Batheja.

“Malaria and Earnings: Contemporaneous and Lifetime Impacts of Exposure,” with Gordon McCord.

“Temperature, Air Pollution, and Healthcare Utilization in Andhra Pradesh,” with Debi Mohapatra and Teevrat Garg.

“Conservation, Development, and Women in Local Political Leadership: Female Reservations in Indian Gram Panchayats,” with Onupurba Das

“Risk Signals and Insurance Purchases in a Changing Climate,” with Gayan Udugama

“How does Political Representation Contribute to Advancement of Scheduled Castes?,” with Prashikdivya Gajbhiye

**Other Publications:**

Mullins, Jamie T., “Ground-level ozone continues to damage health, even at low levels.” *The Conversation*, September 16, 2018. <https://theconversation.com/ground-level-ozone-continues-to-damage-health-even-at-low-levels-99182>.

Mullins, Jamie T., “What causes asthma? Clues from London’s Great Smog with implications for air pollutions today.” *The Conversation*, July 26, 2016. <https://theconversation.com/what-causes-asthma-clues-from-londons-great-smog-with-implications-for-air-pollution-today-62468>.

**Teaching:**

- Resource Economics 720: Environmental and Natural Resource Economics I – 6 times
- Resource Economics 721: Environmental and Natural Resource Economics II – 2 times
- Resource Economics 213: Intermediate Statistics for Business and Economics – 6 times
- Resource Economics 397E: Economic Development and the Environment – 4 times
- Resource Economics 162: Economics is Everywhere – 4 times
- Economics 655: Environmental Economics

**Professional Activities:**

Served as a peer reviewer for: *American Economic Review*, *Nature Human Behavior*, *PLOS One*, *American Economic Journal: Economic Policy*, *Management Science*, *Journal of Public Economics*, *Economic Journal*, *Journal of the Association of Environmental and Resource Economists*, *Journal Environmental Economics and Management*, *Journal of Health Economics*, *Oxford Bulletin of Economics and Statistics*, *Labour Economics*, *American Journal of Health Economics*, *Environmental and Resource Economics*, *American Journal of Agricultural Economics*, *Climactic Change*, *British Medical Journal – Open*, *Resource and Energy Economics*, *Journal of Marine Policy*, *Southern Economic Journal*, *Health Economics*, *International Journal of Biometeorology*, *Geneva Papers on Risk and Insurance*, *Journal of Population Economics*, *Environmental Research Letters; Atmosphere; Environment and Development; Journal of Housing Economics*

**Graduate Students Supervised:**

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| 2024- Present: Dhiroj P. Koirala, PhD    | 2021-2022: Webster Batista-Lin, MS |
| 2022-Present: Osung Kwon, PhD            | 2016-2018: Kelly Hellman, PhD      |
| 2022-Present: Taehyun Kim, PhD           | 2017-2018: Andrew Shepard, MS      |
| 2021-Present: Katherine Wood, MS         | 2016-2018: Matthew Wasserman, MS   |
| 2020-Present: Sparshi Srivastava, PhD    | 2015-2016: Jayash Paudel, MS       |
| 2020-Present: Prashikdivya Gajbhiye, PhD |                                    |
| 2019-Present: Gayan Udugama, PhD         |                                    |
| 2017-Present: Onupurba Das, PhD          |                                    |