David R. Kanter, PhD

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EDUCATION

Princeton University	Ph.D. Science, Technology and Environmental Policy *Returning to the Planetary Boundary for Nitrogen: Science, Economics and Policy*	2014
Princeton University	M.A. Public Policy	2012
University of Bristol	B.Sc. Chemistry and Law	2009

CURRENT POSITIONS

New York University	*Associate Professor (with tenure)*	2021-present
International Nitrogen Initiative	*Chair*	2022-present

AFFILIATIONS

Guarini Center on Environmental, Energy and Land Use Law (NYU Law School)	*Faculty Fellow*	2016-present

PAST POSITIONS

New York University	*Assistant Professor*	2015-2021
Columbia University	*Earth Institute Postdoctoral Fellow* Agricultural and Food Security Center; Columbia Law School; International Research Institute for Climate and Society	2014-2015
United Nations Environment Program	*Visiting Research Scholar* Division of Technology, Industry and Economics	2010
Greenpeace International	*Research Fellow* Political and Business Unit	2008-2009

HONORS and FELLOWSHIPS

Visiting Faculty Global Fellowship	Sciences Po	Fall 2022
French Institutes for Advanced Study Fellowship	Paris Institute for Advanced Study	2021-2022
Postdoctoral Research Fellowship	The Earth Institute at Columbia University	2014-2015
Ciriacy-Wantrup Postdoctoral Fellowship	University of California, Berkeley (*Declined*)	2014
Woodrow Wilson Scholars Fellowship	Princeton University	2013-2014
Princeton Energy and Climate Scholar	Princeton University	2011-2013

PEER REVIEWED JOURNAL ARTICLES

1. Mohring N., **Kanter D.R.,** Aziz T., Castro I.B., Maggi F., Schulte-Uebbing L., Seufert V., Tang F.H.M, Zhang X., Leadley P. Successful implementation of global targets to reduce nutrient and pesticide pollution requires suitable indicators. *Nature Ecology & Evolution*. https://doi.org/10.1038/s41559-023-02120-x

2. McDermid S.S., Hayek M., Jamieson D.J., Hale G. **Kanter D.R.** 2023 Research needs for a food system transition. *Climatic Change*. 176:41. https://doi.org/10.1007/s10584-023-03507-2

3. Li T., Zhang X., Zhong Y., Davidson E.A., Dou Z., Zhang W., Pavinato P.S., Martinelli, L. **Kanter D.R.,** Liu J., Zhang F. 2022. A hierarchical framework for unpacking the nitrogen challenge. *Earth's Future.* 10(11)

4. Liu X., Cui Z., Hao T., Yuan L., Gu B., Xu W., Ying, H., Zhang W., Li T., Yan X., Goulding K., **Kanter D.R.**,

Howarth R., Stevens C., Ladha J., Li Q, Liu L. De Vries W., Zhang F. 2022 A new approach to holistic nitrogen management in China. *Frontiers of Agricultural Science and Engineering*. 9(3):490-510

5. Yang A.L., Raghuram N., Adhya T.K., Porter S.D., Panda A.N., Kaushik A., Jayaweera A., Nissanka S.P., Anik A.R., Shifa S., Sharna S.C., Joshi R., Watto M.A., Pokharel A., Shazly A., Hassan R., Bansal S., **Kanter D.R.**, Das S., Jeffery R. 2022. Policies to combat nitrogen pollution in South Asia: Gaps and opportunities. *Environmental Research Letters.* https://doi.org/10.1088/1748-9326/ac48b2

6. Mandrini G., Pittelkow C., Archontoulis, S. **Kanter D.R.**, Martin N.F. 2022. Exploring Trade-Offs Between Profit, Yield, and the Environmental Footprint of Potential Nitrogen Fertilizer Regulations in the US Midwest. *Frontiers in Plant Science*. 13

7. **Kanter D.R.**, Wagner-Riddle C., Groffman P.M., Davidson E.A., Galloway J.N., Gourevitch J.D., van Grinsven H.J.M., Houlton B.Z., Keeler B.L., Ogle S.M., Pearen H., Rennert K.J., Saifuddin M., Sobota D.J., Wagner G. 2021 Improving the social cost of nitrous oxide. *Nature Climate Change*, 11:1008-1010

8. Cui X., Zhou F., Ciais P., Davidson E.A., Tubiello F.N., Niu X., Ju X., Canadell J., Bouwman A.F., Jackson R.B., Mueller N.D., Zheng X., **Kanter D.R.**, Tian H., Adalibieke W., Bo Y., Wang Q., Zhan X., Zhu D. 2021. Global mapping of crop-specific emission factors highlights hotspots of nitrous oxide mitigation. *Nature Food*, 2:886-893

9. Ren C., Jin S., Wu Y., Zhang B., **Kanter D.R.**, Wu B., Xican X., Zhang X., Chen D., Xu J., Gu B. 2021. Fertilizer overuse in Chinese smallholders due to lack of fixed inputs. *Journal of Environmental Management*, 293, 112913

10. Zhang X., Yao G., Vishwakarma S., Dalin C., Komarek A.M., **Kanter D.R.**, Davis K.F., Pfeifer K., Zhao J., Zou T., D'Odorico P., Folberth C., Galeana Rodriguez F., Fanzo J., Rosa L., Dennison W., Musumba M., Heyman A., Davidson E.A. 2021. Quantitative assessment of agricultural sustainability reveals divergent priorities among nations. *One Earth*. 4:9

11. Ren C., Jin S., Wu Y., Zhang B., **Kanter D.R.**, Wu B., Xi X., Zhang X., Chen D., Jianming X., Gu B. 2021. Fertilizer overuse in Chinese smallholders due to lack of fixed inputs. *Journal of Environmental Management*. 293

12. Sutton M.A., Howard C.M., **Kanter D.R.**, Lassaletta L., Móring A., Raghuram N., Read N. 2021. The nitrogen decade: mobilizing global action on nitrogen to 2030 and beyond. *One Earth*, 4.

13. Kugelberg S., Bartolini F., Kanter D.R., Milford A.B., Pira K., Sanz-Cobena A., Leip A. 2021. Implications of a food system approach for policy agenda-setting design. *Global Food Security*, 28.

14. **Kanter D.R.**, Del Grosso S.J., Scheer C., Pelster D., Galloway J.N. 2020. Why future nitrogen research needs the social sciences. *Current Opinion in Environmental Sustainability*. 47:54-60. https://doi.org/10.1016/j.cosust.2020.07.002

15. **Kanter D.R.**, Chodos O., Nordland O., Rutigliano M., Winiwarter W. 2020. Gaps and opportunities in nitrogen pollution policies around the world. *Nature Sustainability.* https://doi.org/10.1038/s41893-020-0577-7

16. **Kanter D.R.**, Ogle S., Winiwarter W. 2020. Building on Paris: Integrating nitrous oxide mitigation into future climate policy. *Current Opinion in Environmental Sustainability*. 47:7-12. https://doi.org/10.1016/j.cosust.2020.04.005

17. **Kanter D.R.,** Winiwarter W., Bodirsky B.L., Bouwman L., Boyer E., Buckle S., Compton J.E., Dalgaard T., de Vries W., Leclère D., Leip A., Müller C., Popp A., Raghuram N., Rao S., Sutton M.A., Tian H., Westhoek H.,

Zhang X., Zurek M. 2020. A framework for nitrogen futures in the shared socioeconomic pathways. *Global Environmental Change,* 61:102029. https://doi.org/10.1016/j.gloenvcha.2019.102029

18. **Kanter D.R.**, Leip A., Oenema O., Uziweye A., Kugelberg S., Bartolini F. 2020. Nitrogen pollution policy beyond the farm. *Nature Food*, 1:27-32. doi:10.1038/s43016-019-0001-5

19. **Kanter D.R.**, Bell A.R., Shukla-McDermid S. 2019. Precision Agriculture for Smallholder Nitrogen Management. *One Earth*, 1

20. **Kanter D.R.** and Brownlie W. 2019. Joint nitrogen and phosphorus management for sustainable development and climate goals. *Environmental Science and Policy*, 92:1-8

21. **Kanter D.R.** and Searchinger T. 2018. A technology-forcing approach to reduce nitrogen pollution. *Nature Sustainability,* 1:544-552

22. **Kanter D.R.** 2018. Nitrogen pollution: a key building block for addressing climate change. *Climatic Change.* https://doi.org/10.1007/s10584-017-2126-6

23. **Kanter D.R.**, Musumba M., Wood, S.L.R., Palm C., Antle J., Balvanera P., Dale, V.H., Havlik P., Kline, K.L. Thornton P., Tittonnell P., Andelman S. 2018. Evaluating agricultural trade-offs in the age of sustainable development. *Agricultural Systems*, 163:73-88. https://dx.doi.org/10.1016/j.agsy.2016.09.010

24. **Kanter D.R.**, Wentz J., Galloway J., Moomaw W.R., Winiwarter, W. 2017. Managing a forgotten greenhouse gas: An interdisciplinary analysis. *Environmental Science and Policy.* **67**:44-51

25. **Kanter D.R.**, Schwoob M., Baethgen W., Bervejillo, J.E., Carriquiry M., Dobermann A., Ferraro B., Lanfranco B., Mondelli M., Penengo C., Saldias R., Silva M.E., Soares de Lima J.M. 2016. Translating the Sustainable Development Goals into action: A participatory backcasting approach for developing national agricultural transformation pathways. *Global Food Security*, **10**:71-79

26. **Kanter D.R.**, Zhang X., Shevliakova E., Malyshev S., Mauzerall D.L. 2016. The importance of climate change and nitrogen use efficiency for future nitrous oxide emissions from agriculture. *Environmental Research Letters*, **11** (2016) 094003

27. **Kanter D.R.**, Zhang X., Mauzerall D.L. 2015. Reducing agricultural nitrogen pollution while decreasing farmers' costs and increasing fertilizer industry profits. *Journal of Environmental Quality*, **44**(2):325-335

28. Zhang X., Mauzerall. D.L., Davidson E., **Kanter D.R.**, Cai R. 2015. The economic and environmental consequences of implementing nitrogen-efficient technologies and management practices in agriculture. *Journal of Environmental Quality*, **44**(2):312-324

29. Davidson E. and **Kanter D.R.** 2014. Inventories and scenarios of nitrous oxide emissions. *Environmental Research Letters,* 9:105012

30. **Kanter D.R.**, Mauzerall D.L., Ravishankara A.R., Daniel J.S., Portmann R.W., Grabiel P., Moomaw W., Galloway J.N. 2013. A post-Kyoto partner: Considering the stratospheric ozone regime as a tool to manage nitrous oxide. *Proceedings of the National Academy of Science,* 110(12):4451-4457

31. Robertson G.P., Bruulsema T.W., Gehl R.J., **Kanter D.R.**, Mauzerall D.L., Rotz C.A., Williams C.O. 2013. Nitrogen-climate interactions in US agriculture. *Biogeochemistry*, 114:41-70

32. Miller D.J., Sun K., Zondlo M.A., **Kanter D.R.**, Dubovik O., Welton E.J., Winkler D., Ginoux P. 2011. Assessing boreal forest fire smoke aerosol impacts on U.S. air quality: a case study using multiple datasets. *Journal of*

Geophysical Research – Atmospheres, 116:D22209

PEER-REVIEWED BOOK and REPORT CHAPTERS

1. McCord G. and **Kanter D.R.** 2020. Accelerating Sustainable Land Use Practices in the U.S. In Sachs J., Esty D. and Victor D.G. (eds.) America's Zero Carbon Action Plan: Roadmap to Achieving Net Zero Emissions by 2050. SDSN USA, New York, NY.

2. McDermid S. and **Kanter D.R**. 2020. Chapter 5: The role of crop cultivation in contributing to climate change. In Deryng D. (ed). Climate change and agriculture. Burleigh Dodds. Cambridge, UK.

3. Gensuo J., Shevliakova, E., Artaxo P., De Noblet-Ducoudré, N., Houghton R., House J., Kaoru K., Lennard C., Popp A., Sirin A., Sukumar R., Verchot L., Anderegg W., Armstrong E., Cherubini F., Davin E., De Klein C., Grassi G., Hamdi R., **Kanter D.R.**, Krinner G., McDermid S., Peñuelas J., Roe S., Slot M., Sommer R., Sulman B., Williamson P., Zhou Y. 2019. Chapter 2: Land-Climate Interactions, in *IPCC Special Report on Climate Change and Land*.

4. Sutton M.A., Raghuram R., Adhya T.K., Baron J., Cox C., de Vries W., Hicks K., Howard C., Ju X., **Kanter D.R.**, Masso C. 2019. The Nitrogen Fix: From nitrogen cycle pollution to nitrogen circular economy. In UNEP (ed.) Frontiers 2018/19 Emerging Issues of Environmental Concern. United Nations Environment Programme, Nairobi, Kenya.

5. Wentz J.A. and **Kanter D.R**. 2019. Nitrous oxide. In Dernbach J.C. and Gerrard M. (eds.) *Legal Pathways to Deep Decarbonization*. Environmental Law Institute. Washington D.C., USA.

6. Haden V.R., Liptzin D., Rosenstock T.S., Vanderslice J., Brodt S., Yeo B.L., Dahlgren R., Scow K., Riddell J., Feenstra G., Oliver A., Thomas K., **Kanter D.R.**, and Tomich T.P. 2016. Chapter 5: Ecosystem Services and Human Well-Being. In Tomich T.P. et al. (eds.) *California Nitrogen Assessment.* University of California Press

7. Davidson E., **Kanter D.R.**, Suddick E.C., Suntharalingam P. 2013. Chapter 3: N_2O: Sources, Inventories, Projections, in Alcamo J. et al. *Drawing down N_2O emissions to protect climate and the ozone layer,* United Nations Environment Programme (UNEP), Nairobi, Kenya.

8. Sutton M.A., Skiba U.M., Davidson E., **Kanter D.R.** 2013. Chapter 8: Drawing Down N_2O Emissions: Scenarios, Policies and the Green Economy, in Alcamo J. et al. *Drawing down N_2O emissions to protect climate and the ozone layer,* United Nations Environment Programme (UNEP), Nairobi, Kenya.

9. Robertson G.P., Bruulsema T.W., Gehl R.J., **Kanter D.R.**, Mauzerall D.L., Rotz C.A., Williams C.O. 2012. Climate-Nitrogen Interactions in Agriculture. In: Suddick, E.C., Davidson, E.A.(eds.) The Role of Nitrogen in Climate Change and the Impacts of Nitrogen-Climate Interactions on Terrestrial and Aquatic Ecosystems, Agriculture, and Human Health in the United States. A Technical Report Submitted to the US National Climate Assessment. North American Nitrogen Center of the International Nitrogen Initiative (NANC-INI), Woods Hole Research Center, Falmouth, MA, USA.

10. Mate J., Davies K., **Kanter D.R.** 2009. The Risks of Other Greenhouse Gases. Chapter in *State of the World 2009*. Worldwatch Institute, Washington D.C., USA.

OTHER PUBLICATIONS

Kanter D.R., Möhring N., Leadley P., Aziz T., Castro I.B., Maggi F., Schulz R., Schulte-Uebbing L., Tang F., Zhang X. 2022. Science Brief for Target 7 of the Post-2020 Global Biodiversity Framework. Secretariat of the Convention on Biological Diversity. Science briefs on targets, goals and monitoring in support of the post-2020 global biodiversity framework negotiations. CBD/WG2020/4/INF/2/Rev.2.

Chiasson D., Jaffart J., Torres O. **Kanter D.R.** 2022. Contribution pour une nouvelle gouvernance des algues vertes

en Bretagne: Penser le système agro-alimentaire dans son ensemble. Law Clinic Report for Sciences Po Law School.

MANUSCRIPTS in PREPARATION

Kanter D.R., Tzankova Z. et al. Governing Nutrient Pollution Beyond Farmers.

Kanter D.R., Tzankova Z. et al. A systemic approach to nutrient pollution governance in the United States.

Kanter D.R., Ramachandran R. et al. Chapter 4: Nitrogen in current national and international policies, in Sutton M.A. **Kanter D.R.** et al. (eds.) *The First International Nitrogen Assessment*. Cambridge University Press.

Sutton M.A., **Kanter D.R.** et al. Chapter 5: Towards a strategic approach to the global nitrogen challenge, in Sutton M.A. **Kanter D.R.** et al. (eds.) *The First International Nitrogen Assessment*. Cambridge University Press.

Sutton M.A. **Kanter D.R.** et al. Chapter 28: Goals and Pathways: How to Halve Nitrogen Waste by 2030? in Sutton M.A. **Kanter D.R.** et al. (eds.) *The First International Nitrogen Assessment*. Cambridge University Press.

Kanter D.R., Graversgaard M. et al. Chapter 29: Evaluation of policy options and instruments for better nitrogen management, in Sutton M.A. **Kanter D.R.** et al. (eds.) *The First International Nitrogen Assessment*. Cambridge University Press.

INVITED RESENTATIONS and CONFERENCE TALKS

2023
NYU Department of Biology – New York, New York (invited)
Pivot Bio Nitrogen Symposium – Berkeley, California (invited)
Laboratoire Interdisciplinaire des Energies de Demain, Université de Paris – Paris, France (invited)

2022
HEC Paris Climate & Business Certificate – Paris, France (invited)
ETH FRIES Seminar Series – Zurich, Switzerland (invited)
Sciences Po Law School – Paris, France (invited)
2022 Sustainability of Canadian Agriculture Annual Conference – Winnipeg, Canada (invited)
Reducing Chemical Input in Agriculture: Barriers and solutions – Paris, France (invited)
34th Meeting of the Parties to the Montreal Protocol – Montreal, Canada (invited)

2021
Institute for Advanced Study – Paris, France (invited)
Department of Natural Resources, McGill University – Montreal, Canada (invited)
NYU Paris – Paris, France (invited)
HEC Paris S&O Institute seminar – Paris, France (invited)
National Academies' Board on Agriculture and Natural Resources – Virtual (invited)
8th Global Nitrogen Conference – Virtual (invited)

2020
America's Zero Carbon Action Plan: Accelerating Sustainable Land Use (webinar co-organizer and speaker)
16th Congress of the European Association of Agricultural Economists – Prague, Czech Republic (invited)
New Ag International Sustainable Goals – San Diego, California (invited)
4th International Conference on Global Food Security – Montpellier, France (invited)
Pivot Bio Nitrogen Symposium – Sonoma, California (invited)
IFA Global Stewardship Conference – New York, NY (invited)

2019
Scenarios Forum – Denver, CO
Climate Change and Reactive Nitrogen Workshop – Garmisch, Germany (invited)
International Nitrogen Management System Plenary – Nairobi, Kenya (invited)
Nitrogen North America – Las Vegas, NV (invited)

Argus Added Value Fertilizer US – Atlanta, GA (invited)
International Fertilizer Industry Association Strategic Forum – Paris, France (invited)
United States Department of Agriculture – Washington, D.C. (invited)
United Nations Global Campaign for Nitrogen – Colombo, Sri Lanka (invited)

2018 San Diego State University – San Diego, CA (invited)
Princeton University – Princeton, NJ (invited)
University of Bristol New York Alumni Chapter – New York, NY (invited)
World Bank – Washington D.C. (invited)
EU Nitrogen Experts Panel – London, UK (invited)
United States Department of Agriculture – Washington D.C. (invited)
University of Bristol – Bristol, UK (invited)
International Nitrogen Management System Plenary – Edinburgh, UK (invited)

2017 UNECE Workshop on Agriculture and International Engagement – Geneva, Switzerland (invited)
MIT Water Summit – Cambridge, MA (invited)
Innovative Solutions for Sustainable Management of Nitrogen – Aarhus, Denmark
Sustainable Agriculture Matrix workshop – Annapolis, Maryland

2016 7th International Nitrogen Initiative Conference – Melbourne, Australia
1.5 Degrees: Meeting the Challenges of the Paris Agreement – Oxford, UK
International Nitrogen Management System meeting – Edinburgh, UK (invited)
OECD – Paris, France (invited)
6th Global AgMIP Workshop – Montpellier, France
How to Make the SDGs Europe's Business – Brussels, Belgium (invited)
Brabant Protein Future – Den Bosch, The Netherlands (invited)

2015 The Earth Institute, Columbia University – New York, NY (invited)
New York University – New York, NY (invited)
University of Graz – Graz, Austria (invited)

2014 26th Meeting of the Parties to the Montreal Protocol – Paris, France
IDDRI, Sciences Po – Paris, France (invited)
OECD – Paris, France (invited)
International Fertilizer Industry Association – Paris, France (invited)
Catholic University of Leuven – Leuven, Belgium (invited)
European Commission – Brussels, Belgium (invited)
European Fertilizer Manufacturers' Association – Brussels, Belgium (invited)
Seventh International Symposium on Non-CO_2 Greenhouse Gases – Amsterdam, The Netherlands
Princeton Food & Agricultural Systems Symposium – Princeton, NJ (invited)

2013 Sixth International Nitrogen Conference – Kampala, Uganda
25th Meeting of the Parties to the Montreal Protocol – Bangkok, Thailand
International Fertilizer Industry Association/New Ag International Third International Conference on Slow- and Controlled-Release and Stabilized Fertilizers – Rio de Janeiro, Brazil

2012 American Geophysical Union – San Francisco, CA
24th Meeting of the Parties to the Montreal Protocol – Geneva Switzerland
United Nations Environment Program, Division of Technology, Industry and Economics – Paris, France (invited)
Rio+20 United Nations Conference on Sustainable Development – Rio de Janeiro, Brazil
Pontifical Catholic University of Rio de Janeiro – Rio de Janeiro, Brazil (invited)

2011 23th Meeting of the Parties to the Montreal Protocol – Bali, Indonesia
Princeton University – Princeton, NJ

REFEREE SERVICE

Agricultural and Forest Meteorology
Agriculture, Ecosystems and Environment
Ambio
Carbon Management
Climatic Change
Computers and Electronics in Agriculture
Environmental Research Letters
Environmental Science & Technology
Environmental Technology Reviews
Frontiers in Sustainable Food Systems
Global Change Biology
Intergovernmental Panel on Climate Change
Journal of Environmental Quality
Journal of Environmental Management
Journal of Integrative Environmental Sciences
Nature
Nature Climate Change
Nature Food
Nature Sustainability
Nutrient Cycling in Agroecosystems
One Earth
Proceedings of the National Academy of Science
Science Advances
Science of the Total Environment
Scientific Reports
Soil Use and Management
Soil Research
Sustainability

EDITORIAL SERVICE

Frontiers in Sustainable Food Systems	Editorial Board member	2017 – present
International Nitrogen Assessment	Editorial Board member	2019 – present
CABI Agriculture & Bioscience	Associate Editor	2020 - present

PROFESSIONAL SERVICE

United Nations Development Program	Consultant	2015
Organization for Economic Cooperation and Development	Consultant	2016-2017
Food and Agriculture Organization of the United Nations	Consultant	2017
International Nitrogen Management System	Project Management Board member	2017 – present
International Nitrogen Initiative	Vice-Chair	2019 – 2022
International Nitrogen Initiative	Chair	2022 – present
Pivot Bio	Scientific Advisory Board member	2019 – present
Biodiversity in Agricultural Landscapes	Scientific Advisory Board member	2020 – present
America's Zero Carbon Action Plan	Co-Chair – Food and Land Use Working Group	2020
Center for Landscape Research in Sustainable Agricultural Futures (Land-CRAFT)	Scientific Advisory Board member	2023 – present

WORKSHOPS ORGANIZED

International Nitrogen Management System Workshop on Future Scenarios and Storylines	January 2018
International Nitrogen Initiative Virtual Conference	May 2020
Governing Nutrient Pollution Beyond Farmers (SESYNC virtual workshop) – New York, NY	January 2021
Governing Nutrient Pollution Beyond Farmers (SESYNC virtual workshop) – Paris, France	March 2022
Developing roadmaps for sustainable nitrogen management (OECD/IEA) – Paris, France	May 2022

GRANTS AWARDED

Funder	**Amount**	**Project (role)**	**Dates**
National Science Foundation	$5,000,000	Global Nitrogen Innovation Center for Clean Energy and the Environment (co-PI)	December 2023 – November 2028
United States Department of Agriculture	$650,000	Quantifying the links between agricultural nitrogen inputs, air pollution and crop damage (PI)	January 2022 – January 2026
Organization for Economic Cooperation and Development	$42,000	Governing Nutrient Pollution Beyond Farmers (Project lead)	October 2021
National Socio-environmental Synthesis Center	$50,000	Governing Nutrient Pollution Beyond Farmers (Project lead)	January 2021
The Global Environment Facility	$85,000	Nitrogen Scenarios and Storylines (Project co-lead)	October 2017 – October 2021
NYU Global Research Initiative	$3000	OECD Nitrogen Report (Project co-lead)	May 2017 – June 2017
United Nations Environment Program & Organization for Economic Cooperation and Development	$13,000	OECD Nitrogen Report (Project co-lead)	May 2016 – September 2016
Princeton Energy and Climate Scholars	$1000	Doctoral research on nitrous oxide and the Montreal Protocol	November 2012

NYU COURSES DEVELOPED and TAUGHT

Environmental Governance – ENVST-UA 435 (Original course)	Fall 2016-present
Science in Environmental Policy – ENVST-UA 422 (Original course)	Spring 2016-present

Environment and Society – ENVST-UA 101 (Restructured course)	Spring 2016-present

DEPARTMENTAL and UNIVERSITY SERVICE

Undergraduate advising	Fall 2015 – present
Search Committee for TT position at NYU Shanghai	Fall 2015 – Spring 2016
Graduate Program Committee	Fall 2015 – Spring 2016
Space Committee	Fall 2015 – Spring 2016
Diversity & Inclusion Committee	Fall 2016 – Spring 2017
Events Coordinator	Fall 2016-present
March for Science: NYU Co-Organizer	Spring 2017
Undergraduate Curriculum Committee	Spring 2017 – present
March for Science New York City: Co-Organizer	Fall 2017 – Spring 2018
Search Committee for FF position in Environmental Studies	Spring 2018
Promotion Committee	Spring 2018
Global Committee (Washington D.C. site)	Spring 2019 – present
Faculty of Arts and Science Faculty Assembly	Fall 2019 – present
PhD Planning Committee (*Chair*)	Summer 2022 – present

SELECTED MEDIA APPEARANCES

"Climate change in the new IPCC report", *The Recount*	August 21, 2021
"Wildfires and climate change", *Brut Media*	September 30, 2020
"How Climate Change Affects Wildfires", *NBC News*	October 30, 2019
"The Green Transition", *France 24*	October 4, 2019
"UN Climate Summit", *France 24*	September 23, 2019
"Polar Vortex", *NBC News*	January 31, 2019
"Climate extremes", *NBC News*	November 8, 2018
"Extreme cold in New York", *Reuters*	January 8, 2018
"Discussing marine national monuments", *Salon*	January 5, 2018
"Cold weather, warm climate. Both are true", *Yahoo News*	January 3, 2018
"Global Warming Could Make This Lurking Climate Threat Even Worse", *Forbes*	October 17, 2017
"Donald Trump sacaría a EE. UU. del acuerdo climático de París", *NTN24*	June 2, 2017
"Pipelines, Climate Change and Environmental Policy", *Bold TV*	March 31, 2017
"Paris Climate Agreement", *Al Jazeera America*	December 12, 2015