

Sara Nawaz, PhD

Interdisciplinary social scientist studying the social dimensions of novel climate and environmental technologies via a mix of quantitative and qualitative methods.

Education:

Doctor of Philosophy (PhD), Resources, Environment, and Sustainability. **2017—2021**
University of British Columbia (UBC), Vancouver, British Columbia, Canada.

Master of Philosophy (MPhil). Development Studies. **2011—2013**
University of Oxford, Oxford, UK.

Bachelor of Arts (BA). Major: Economics. **2007—2011**
Swarthmore College, Swarthmore, PA, US.

Professional Experience:

Postdoctoral Researcher, Institute for Science, Innovation and Society (University of Oxford) and Pacific Institute for Climate Solutions **Beginning Fall 2021**
Studying the social dimensions of marine-based negative emissions technologies.

Research Assistant (various appointments), UBC **Sept. 2017—Aug. 2021**
Contributed to the design, implementation, data collection, analysis, and writing for various studies on novel and emerging applications in agriculture and conservation. Contributions included design, implementation and statistical analysis of surveys, event ethnography fieldwork and analysis, focus group facilitation and coding, amongst others.

Independent Consultant **Sept. 2016—Sept. 2017**
Hired by the World Wildlife Fund to conduct an ecosystem service valuation for several of Belize's marine protected areas.

Consultant, Environmental Resources Management. **Sept. 2014—June 2016**
Managed and contributed to a variety of economic and social research projects for clients such as the World Bank, International Finance Corporation, and Inter-American Development Bank. Projects included economic and social impact assessments, global surveys, natural resource damage assessments, and ecosystem service valuations. In addition to research and analysis, projects often involved conducting fieldwork in Latin America, collaborating with teams across multiple continents, and presenting research findings to clients.

Researcher, World Resources Institute (WRI). **Sept. 2013—Sept. 2014**
Conducted research on behalf of WRI's President's speaking and writing. Contributed to other WRI projects such as WRI's four-year strategic plan, strategy for WRI's Forest and Landscape Restoration team, and a review of improving the sustainability of WRI's endowment.

Research Assistant, Oxford Martin Commission. **May—Aug. 2013**
Contributed to the Commission's flagship report titled "Now for the Long Term," on sustainably intensifying food production, boosting youth employment, and improving governance indicators.

Academic service and teaching:

I have served as a reviewer for the *Journal of Environmental Management*, *Agriculture and Human Values*, and *Elementa: Science of the Anthropocene*.

Co-president, Resources, Environment and Sustainability Student Society. University of British Columbia. **July 2018—June 2019**

Co-led department's student society. Activities involved events such as organizing welcome for new students, department's annual celebration, and a research slam. Also organized and led monthly student society meetings and served as a liaison between student body and faculty.

Co-Leader, Oxford Global Food Security Forum. University of Oxford. **June 2012—June 2013**

Organized, advertised, and facilitated a semester-long seminar series and organized an international conference on food security. The seminars and conference brought together 100+ social and natural scientists to engage in a multi- and interdisciplinary conversation on food security.

Organizer, Women in Development Forum. University of Oxford. **Feb. 2013**

Organized a pilot forum through the Department of International Development that brought together academics and professionals to speak to 60+ students about the considerations around international development as a career path for women.

Writing Associate, The Writing Center. Swarthmore College. **Sept. 2008—May 2011**

Supported 12+ students each term in drafting and editing essays; also worked with individual students on a walk-in basis in the College's Writing Center.

Teaching Assistant, Economics Department. Swarthmore College. **Sept.—Dec. 2011**

Led weekly study clinics for 30-50 students on economic theory, supported students in understanding concepts, and graded problem sets for introductory Departmental course.

Grants, Fellowships, and Awards:

UBC Four-Year Fellowship (2017-21)

UBC International Tuition Award (2017-21)

ERM Service Excellence Award (2015)

ERM Star Award (2015)

Oxford Department of International Development Fieldwork Award (2012)

Swarthmore Lucretia Mott Graduate Fellowship (2011—2013)

Swarthmore Foundation Grant (2011)

Swarthmore College Writing Associate Fellowship (2008—2011)

Swarthmore College Quadir Summer Research Fellowship (2009)

Publications:

Hagerman, S., Satterfield, T., **Nawaz, S.**, St-Laurent, G. P., Kozak, R., & Gregory, R. (2021). Social comfort zones for transformative conservation decisions in a changing climate. *Conservation Biology*.

<https://doi.org/10.1111/COBI.13759>

Gregory, R., Kozak, R., Peterson St-Laurent, G., **Nawaz, S.**, Satterfield, T., & Hagerman, S. (2021). Under pressure: conservation choices and the threat of species extinction. *Climatic Change*, 166(1–2), 1–21. <https://doi.org/10.1007/s10584-021-03102-3>

Nawaz, S., Satterfield, T., & Hagerman, S. (2021). From seed to sequence: Dematerialization and the battle to (re)define genetic resources. *Global Environmental Change*, 68, 102260.

<https://doi.org/10.1016/j.gloenvcha.2021.102260>

Nawaz, S., Kandlikar, M. 2021. Drawing lines in the sand: What triggers regulation for gene-edited crops around the globe? *Science and Public Policy*, Volume 48, Issue 2, April 2021, Pages 246–256, <https://doi.org/10.1093/scipol/scab014>

Nawaz, S., Klassen, S. and Lyon, A., 2020. Tensions at the boundary: Rearticulating 'organic' plant breeding in the age of gene editing. *Elementa: Science of the Anthropocene*, 8(1), p.34.

DOI: <https://doi.org/10.1525/elementa.429>

Nawaz, S. "Building a New Food System." R.P. Thead (ed). 2013. Millennials Speak: Essays on the 21st Century.

Nawaz, S. Agroforestry in the Shadow of a Green Monster: The Politics of Confronting Hunger in the Northern Cauca, Colombia. 2013. Columbia University Journal of Global Health. <https://doi.org/10.7916/theigh.v3i1.5261>

Publications under review:

- **Nawaz, S.,** Satterfield, T. and Phurisamban, R. Beyond "precision": Three perceptual archetypes in the evaluation of gene-editing and gene-drive technologies in agriculture.

Presentations and seminars:

"Social comfort zones in a transforming climate." American Association of Geographers Annual Meeting. Online. April 2021.

"Beyond naturalness? Social dimensions of gene editing in agriculture." Institute for Resources, Environment and Sustainability Student Symposium. Online. April 2021.

"Beyond "precision": A Q-method study on public perceptions of gene editing and gene drives for agriculture." Conference on Gene Editing in Agriculture and Food. Online. October 2020.

"Owning seeds, owning sequences?" Resources, Environment and Sustainability (RES) 507 seminar: Human Technological Systems. Vancouver, BC. February 2020.

"From seed to sequence: Making sense of debates over the dematerialization of agricultural genetic resources." Canadian Anthropology Association/American Anthropology Association Annual Meeting. Vancouver, BC. November 2019.

Languages | Fluent Spanish.

Software | R, NVivo.