

# Contributors

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**Wesley Brunson** is a poet and Ph.D. candidate in sociocultural anthropology at the University of Toronto. His writing can be found in *Anthropology & Humanism* and in the anthology *A Day Is a Struggle*. Wes grew up in Minneapolis and lives in Toronto.

**Oonagh Butterfield** is an interdisciplinary artist-academic, currently rooted in Toronto. Her most recent project, her graduate work in Environmental Studies at York University, uses puppets and illustration to explore visions of multispecies ethics in urban space. Outside academia, Oonagh co-manages her family's bakery where she is an active member of the Toronto-Danforth community, and a constant advocate for food system change. Whether through art, research, or small business, Oonagh's interest is in the creation of accessible and just platforms for deepened environmental thought and engagement.

**Angela P. Harris** is a Distinguished Professor of Law at the UC Davis School of Law (King Hall). She has previously taught in the law schools at UC Berkeley, Stanford, Yale, Georgetown, and the State University of New York at Buffalo. She is the author of numerous influential articles and essays in the fields of critical legal theory, feminist jurisprudence, and criminal law, and is a prolific co-author of casebooks. Harris received her bachelor's degree from the University of Michigan, and her master's degree in social science and J.D. from the University of Chicago.

**Sophia Jaworski** is a Ph.D. candidate in Anthropology and the Women and Gender Studies collaborative program at the University of Toronto. Her research problematizes environmental illness by reimagining how volatile organic compounds and petrochemical exposures are embodied and figured as toxicants by technoscience. Her dissertation uses feminist science and technology studies and disability justice frameworks to ex-

plore the connections between chemical sensitivities and low-income rental housing in Tkaronto, issues she is also involved in organizing and advocating around.

**Benjamin J. Kapron** is a Ph.D. candidate in York University's Faculty of Environmental and Urban Change, exploring how he might develop and inform his decolonial and ethical praxes, as a settler, through understanding Land to be a decolonial agent and teacher. Ben looks to learn particularly from Lands where he has lived, namely, Baawitigong / Sault Ste. Marie, Nogojiwanong / Peterborough, and Tkaronto / Toronto. In his work, Ben aims to bring into conversation environmental ethics and philosophy; decolonization, Indigenous studies, and settler colonial studies; and critical environmental thought challenging human exceptionalism and exemptionalism. Ben is a member of the *UnderCurrents* Editorial Collective, working as a Managing Editor of this volume.

**Kelly King** is an educator, artist, community builder, and facilitator. Her maternal ancestral roots come from Scotland and England and her paternal ancestral roots come from Poland and Latvia. Graduating from York University's Master of Environmental Studies program in 2017, Kelly's research focused on ways in which to discuss Indigenous histories of Toronto, as well as settler identities, through community arts practices. Kelly is passionate about creating spaces to engage youth on topics such as Indigenous rights, environmentalism, and embodied reciprocity. Through Indigenous approaches to learning, Kelly believes that by localizing our environmental perspectives and relationships, we can collectively make global differences. She is currently residing in Nogojiwanong / Peterborough, Ontario, where she is working as the Education Director for TRACKS Youth Program, facilitating spaces for youth to

connect with mentors and learn about Indigenous Science.

**Madeleine Lavin** is a Toronto-based freelance writer and editor. She received her Master of Environmental Studies from York University in 2019. Her major paper, *B is for Bug, O is for Oikos*, pairs scientific study and phenomenological exploration in looking at human-arthropod relations in the context of modern, North American homes. Madeleine is a passionate researcher whose interests span many topics including, but not limited to, multispecies studies, education, entomology, natural history, environmental humanities, ethics, and philosophy.

**Garance Malivel** addresses the intersections of environmental justice, gender justice, and environmental health through interdisciplinary and action-oriented research methodologies. After working as a cultural organizer, Garance completed a Master of Environmental Studies at York University (Toronto), during which she collaborated with the Wylie Lab (Northeastern University, Boston) on participatory research projects assessing the community health impacts of petrochemical production in North America. Garance is currently completing a Ph.D. in the Faculty of Environmental and Urban Change at York University, focused on intergenerational environmental justice and the development of anticipatory mechanisms in environmental governance processes.

**Michelle Murphy** is a technoscience studies scholar and historian of the recent past whose research concerns decolonial approaches to environmental justice; reproductive justice; Indigenous science and technology studies; infrastructures and data studies; race and science; and finance and economic practices. Murphy's current research focuses on the relationships between pollution, colonialism, and technoscience on the lower Great Lakes. Murphy is a tier 1 Canada Research Chair in Science and Technology Studies and Environmental Data Justice, as well as Co-Director of the Technoscience Research Unit, which hosts a lab and is a home for

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social justice and decolonial approaches to science and technology studies. She is Métis from Winnipeg, from a mixed Métis and French Canadian family.

(Source: <https://www.history.utoronto.ca/people/directories/all-faculty/michelle-murphy>)

**Usha Natarajan** (Ph.D., MA, LL.B., BA) is Edward W. Said Fellow at Columbia University, International Schulich Visiting Scholar at Dalhousie University, Global South Visiting Scholar at the University of British Columbia, and Senior Fellow at Melbourne Law School. Her research is interdisciplinary, utilizing postcolonial and Third World approaches to international law to provide an interrelated understanding of the relationship between international law and issues of development, migration, environment, and conflict. Natarajan's research is recognized by several international awards and grants for international environmental law, migration and refugee law, and postcolonialism. She is widely published and serves on several editorial and advisory boards on these subjects. Natarajan was tenured at the American University in Cairo as Associate Professor of International Law and Associate Director of the Center for Migration and Refugee Studies. Prior to that she worked with the United Nations and its agencies in Asia and the Pacific, including with UNDP, UNESCO, and the World Bank. She is based in Amman, Jordan.

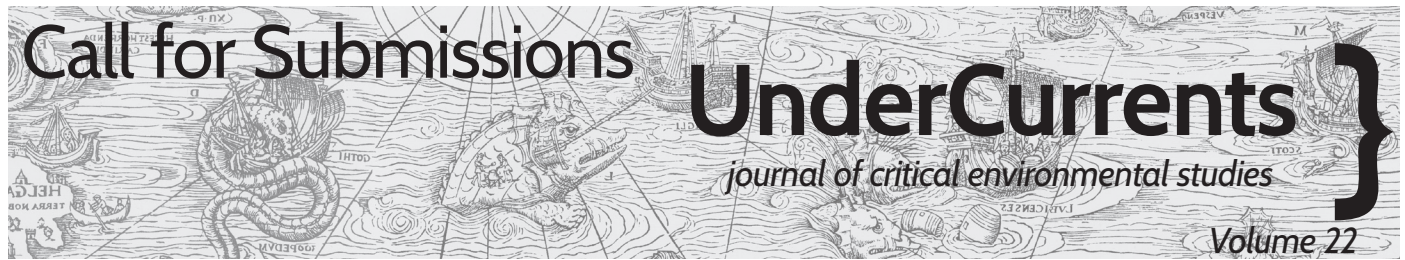
**Naomi Norquay** is an Associate Professor in the Faculty of Education at York University. She has been researching the Old Durham Road Black pioneer settlement for the past 15 years. Using a combination of oral history, archival research and walking the land, she investigates not only the historic presence of this community but also the ways and means by which it disappeared from the local historic narrative. She currently serves as president of the Old Durham Road Pioneer Cemetery Committee and co-edits *Northern Terminus*, a community journal dedicated to Black history in Grey County, published through Grey Roots Museum and Archives.

**Jaz Papadopoulos** is an interdisciplinary artist working in experimental writing, installation, and video. They are interested in diaspora, bodies, place, memory, grief, and ritual. A graduate of the Cartae Open school, Jaz is also a Lambda Literary fellow and holds an M.F.A. from the University of British Columbia. Jaz lives on Coast Salish land. Follow their work at [vimeo.com/jazpapadopoulos](https://vimeo.com/jazpapadopoulos) or on Twitter @scrybabybaby.

**Fernando Silva e Silva** is a Brazilian researcher, translator, and teacher. He holds a Ph.D. in Philosophy, an MA in Language Studies, a BA in French Language and Literature, and a BA in Philosophy. In the last few years, he has been writing and teaching at the intersection

of science fiction, environmental studies, metaphysics, history of sciences and philosophies, and anthropology. He is concerned with issues such as the many ecological crises, the history of conceptions of Nature, the modernity/coloniality project, and the relation of politics, philosophy, science, and fiction. He is also one of the founders of a collectively-run research and teaching association called Associação de Pesquisas e Práticas em Humanidades [Association for Research and Practice in the Humanities].

**Angie Lea Tupper** is a visual artist whose current practice explores personal fantasies and memories through the lens of imaginative realism. She has displayed her work in twelve group shows across the Greater Toronto Area, and two in Florence, Italy. Angie graduated with Distinction from OCAD University's BFA in Drawing & Painting in 2017. She earlier completed two degrees in English, first an Honours BA at the University of Ottawa followed by an MA at the University of Toronto. Visual records have always been central to Angie's identity. The daughter of an immigration officer, she spent her childhood moving from one country to another every two to three years. Photographs and video recordings function to connect the transient scenery of her early life, beginning in Trinidad and Tobago, then moving on to India, Hungary, Pakistan, and England.



From the depths of Dante's *Inferno* to Verne's *Twenty Thousand Leagues Under the Sea*, subterranean and subaquatic environments have often been depicted as repositories of primordial forces and abiding secrets in the Western tradition. The much-repeated (if somewhat misleading; e.g. Copley, 2014) claim that humans have "explored" more of outer space than of Earth's oceans points to the mystique associated with the deepest regions of this planet. Though dramatic environmental changes are becoming increasingly evident all across the face of the Earth, we surface-dwellers can scarcely fathom what has been occurring below the ground and beneath the waves. In these deep places, rising temperatures deplete aquifers and destabilize sea beds; infrastructures (both old and new) wind through vast urban undergrounds; heavy industry delves ever deeper in its search for fossil fuels, rare earth metals, and geothermal energy; and plastics and other toxic contaminants come to settle among the extremophiles inhabiting the most remote reaches of the ocean.

In volume 22 of *UnderCurrents*, we invite you to descend with us into the depths of these lively underworlds, with all their buried curiosities and submerged contexts. We seek to explore what is going on beneath the surface in an effort to confront, expand, and/or interrogate existing understandings of the subterranean and subaquatic. We ask: How does the condition of being subsurface affect understandings of these physical environments and/or perspectives? We particularly encourage submissions that consider moments, places, and processes in which the subterranean and subaquatic interact. Possible areas of focus for submissions include, but are not limited to:

- Relationality, agency, cosmology, and personhood below the surface
- Sites of the buried (e.g., caverns, crypts, catacombs) and sunken (e.g., shipwrecks, urban/coastal flooding, underwater cities, seafloor mining)
- Indigenous knowledges, philosophies, and lifeways of underground/underwater worlds
- Black geographies (e.g., McKittrick, 2011) and abolitionist ecologies (e.g., Heynen and Ybarra, 2021) of the subterranean/subaquatic
- Milieu-specific analysis (Jue, 2020), terrestrial bias, and surface politics and their refractions (following Todd, 2018) through underground/underwater environments
- Socio-ecological impacts of extraction and discard in subsurface environments (e.g., Montoya, 2016)
- Bodily relationships, metabolism, and the deep as bowels, entrails, and/or 'guts'
- Oceanic, abyssal, and Tehomic agencies (e.g., Keller, 2003; Mentz, 2015)
- Limit biologies, extreme ecologies, and life in the deep
- Bodies as water-bodies and mineral-bodies in subterranean and subaquatic pedagogies, ontologies, and epistemologies

Submissions related to the subterranean and/or subaquatic that may reflect or diverge from the suggested thematic areas above are also welcomed. We invite both scholarly and creative work, including essays, poetry, photographs, visual submissions, video, audio, mixed formats, and more. In addition, we invite reviews of relevant books that may fit within the theme of this issue.

All are welcome to submit; we especially encourage submissions from applicants who are Indigenous, Black, racialized, women, 2SLGBTQ+, disabled, poor, and/or otherwise on the margins.

### The deadline for submissions is:

Scholarly and Creative submissions - Oct. 1, 2022, 11:59pm ET

Book Reviews - Jan. 15, 2023, 11:59pm ET

Please follow submission guidelines at:

<http://currents.journals.yorku.ca/index.php/currents/about/submissions>

*UnderCurrents is a collectively- and student-run academic journal based out of the Faculty of Environmental & Urban Change at York University in Tkaronto / Toronto, Canada. UnderCurrents explores relations among environment, culture, and society. We are committed to publishing a variety of scholarly, creative, and activist work that critically engages with conceptions of the environment and seeks to break down traditional interpretations of the world around us. All back volumes are available, free of charge, on the UnderCurrents website.*

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