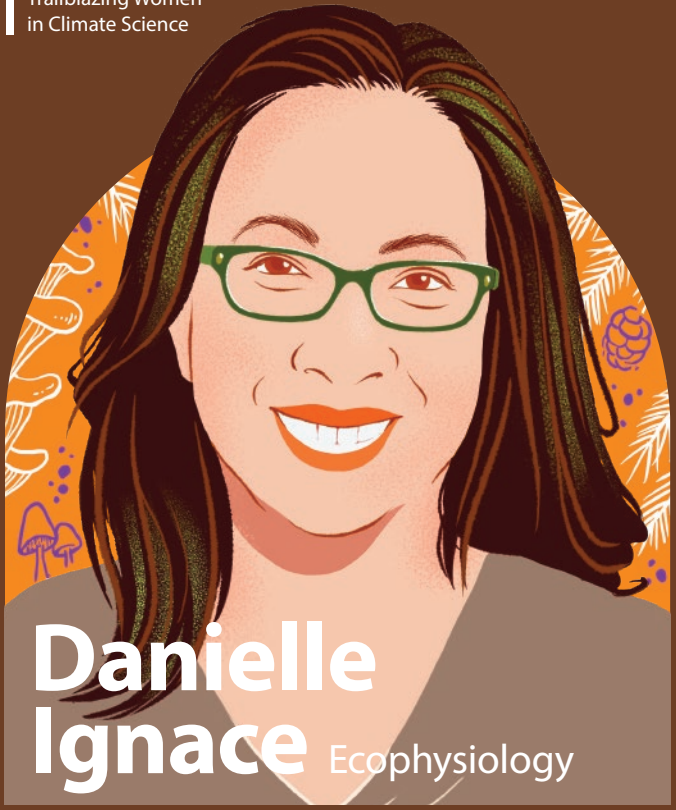
Trailblazing Women
in Climate Science



# Danielle Ignace

## Ecophysiology

Dr. Danielle Ignace, Assistant Professor of Biological Sciences at the University of British Columbia and an enrolled member of the Coeur d'Alene tribe, studies the impacts of global change on ecosystem function and communities of colour. She focuses on the impacts invasive plants and insects have on ecosystems and how climate change impacts invasive species. Ignace is passionate about science communication and hopes to continue creating space for her Native American identity and her Western science career to co-exist in the work that she does.

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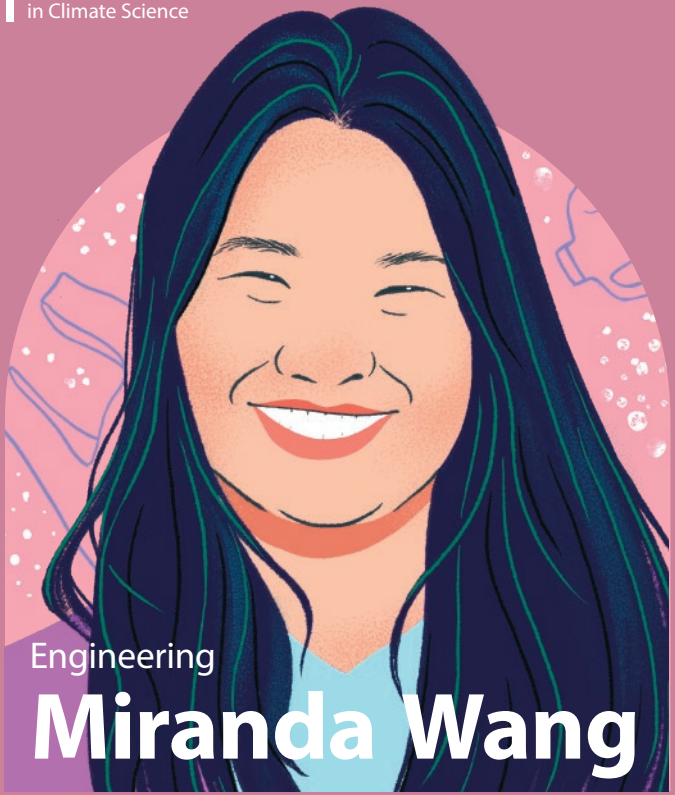

Engineering

# Miranda Wang

Miranda Wang, born in 1994, is the CEO and co-founder of NovoLoop, a company that transforms the most commonly used and unrecyclable plastics into new materials using pioneering chemical technology. The company's pilot program with San Jose's waste-management facility has already received recognition from groups like the U.N. Environment Programme, and now Wang is setting her sights on other cities all over the world. Miranda is a Forbes 30 Under 30, UN Young Champion of the Earth, and a Pritzker Environmental "Genius" Awardee.

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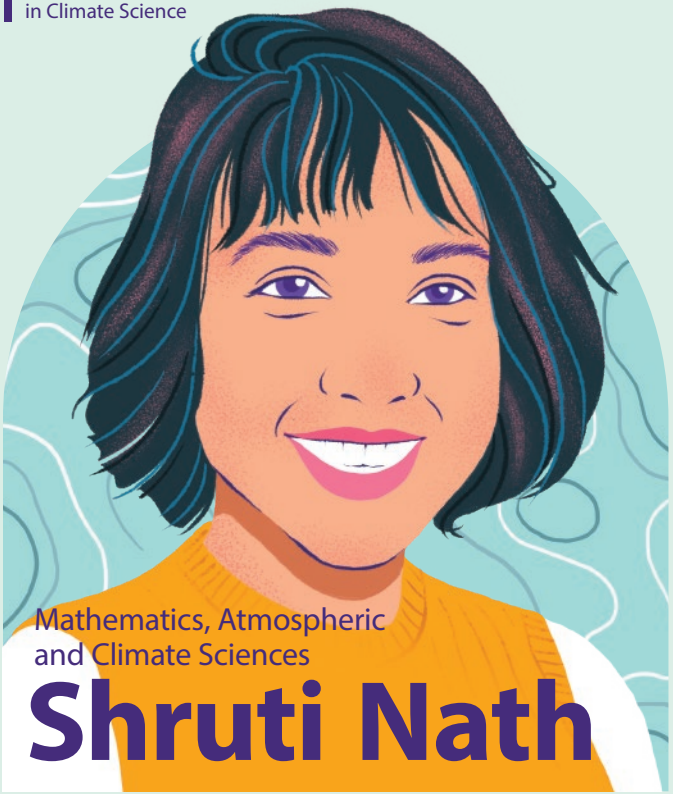

Mathematics, Atmospheric
and Climate Sciences

# Shruti Nath

Shruti Nath, Climate Mitigation and Adaptation Scientist and PhD student at Climate Analytics, uses mathematics to understand the impact of land use changes on climate. An example of this is analyzing what happens to the local climate when trees are planted in a certain area. Nath uses statistical techniques to explore different climate scenarios, which helps to speed up these analyses. Nath is currently focused on these land-climate interactions in hopes that it will provide key insight to planning for future adaptation and mitigation.

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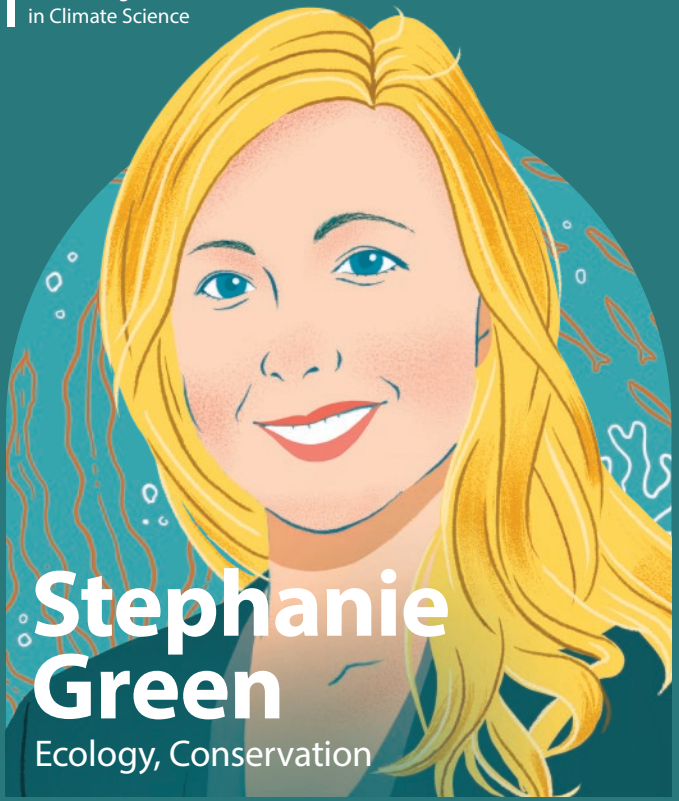

# Stephanie Green

## Ecology, Conservation

Dr. Stephanie Green, Canada Research Chair, Assistant Professor at the University of Alberta, and marine conservation researcher, was one of 21 scientists across North America selected for pioneering work in sustainability research by the Earth Leadership Fellowship. Green studies the causes and consequences of biodiversity change in aquatic ecosystems, with the intention of creating science-based tools to inform conservation and restoration actions in response to global change.

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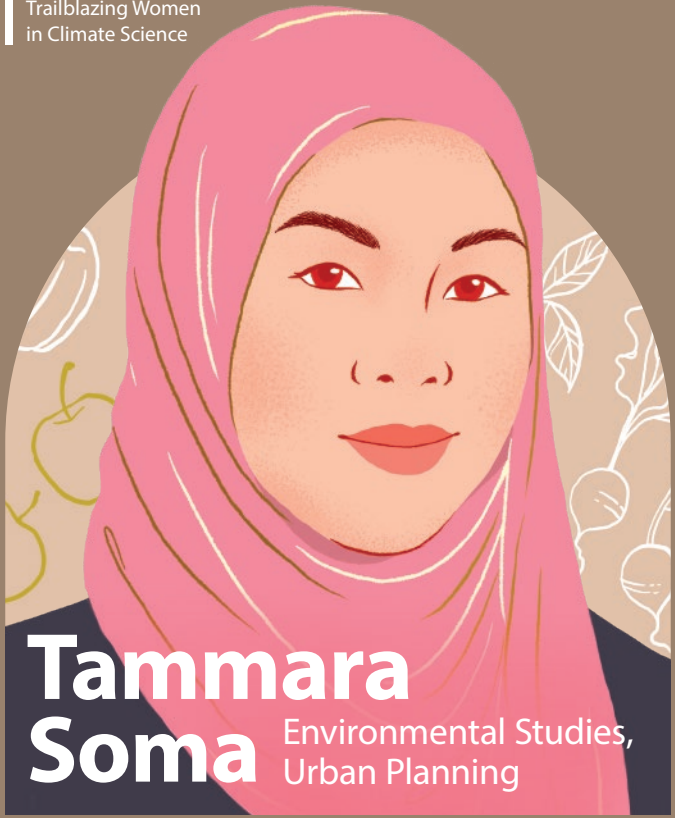

# Tammara Soma

## Environmental Studies, Urban Planning

Dr. Tammara Soma is an Assistant Professor at the School of Resource and Environmental Management and the first Hijabi professor at Simon Fraser University. Driven to create an inclusive space for diverse students and scholars, Soma is also one of the country's top experts on food waste and is interested in the way it intersects with income inequality, urbanization, land use and climate change. Soma works to identify solutions and to inform policymakers on how to develop sustainable and equitable food systems in Canada and beyond.

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