

## **Villanova Bios**



### **Steven Goldsmith**

Dr. Steven Goldsmith is an associated professor in the Department of Geography and the Environment at Villanova University. He is a watershed biogeochemist with over 20 years' experience evaluating how anthropogenic practices impact streamwater quality. Recent work has focused on empowering communities to be agents of change in their local environment. He holds a PhD in Earth Science from the Ohio State University.



### **Peleg Kremer**

Dr. Kremer is an associate professor in the Department of Geography & the Environment at Villanova University. Research in Dr. Kremer's lab focus on spatial patterns in social-ecological systems and urban sustainability. Using interdisciplinary approaches to spatial analysis, GIS and remote sensing Dr. Kremer's lab investigates the relationships between urban environmental and ecological processes and the built environment. Dr. Kremer teaches undergraduate and graduate introductory courses in

Geographic Information Systems as well as courses on urban sustainability and the built environment. She holds a PhD in Energy and Environmental Policy from the University of Delaware.



### **Marissa Rossi Cassell**

Marissa Rossi Cassell is a hydrologist at the U.S. Geological Survey (USGS) Pennsylvania Water Science Center. Her research focuses on salinization of rivers and streams. In 2022, Marissa completed her master's degree at Villanova, where she demonstrated that long-term increases in concentrations of chloride, sodium, and other major ions in streams of southeastern Pennsylvania were related to road salt application and impervious surface cover.



### **Jenna Hassebrock**

Jenna Hassebrock is a second year M.S. in Environmental Science student at Villanova University. Jenna's research focuses on the relationship between long-term watershed

management practices on nitrate and sediment delivery in source watersheds. She has a B.S. in Environmental Science from Stetson University.



### **Charles Cravotta**

Charles "Chuck" Cravotta is an internationally recognized scientist with more than 40 years of professional experience, mostly as a research hydrologist for the U.S. Geological Survey (USGS). Although Chuck retired from the USGS December 30, 2023, he continues to participate in environmental studies and training of future scientists. His research integrates field, laboratory, and computer modeling methods to understand factors affecting water quality, especially that in highly disturbed or engineered environments, such as mine-impacted or urbanized watersheds.

## Aqua Bios



### **Krista Seng**

Lead, Corporate Giving and Community Affairs

Aqua, an Essential Utilities Company

Krista is an environmental scientist with experience working in the nonprofit, government, and utility sectors, always with the steadfast goals of protecting water resources and making the world a better place. She has been with Aqua, an Essential Utilities company, for seven years and has played an instrumental role in the company's source water protection program, which led the charge to sample local waterways affected by PFAS "forever chemicals" and hold polluters accountable. Krista currently runs the company's Essential Foundation and leads corporate volunteer efforts, including Essential Earth Day, a 9-state initiative she created to give back to the environment on an large scale. She is also the founder and chair for Essential Utilities' Pride Employee Resource Group.

A Pennsylvania native, Krista holds a Bachelor's degree in biology and English literature from Swarthmore College and a Master's in Environmental Science from Villanova University. She serves on the board of the Partnership for the Delaware Estuary, and on the Planning Committee for the Schuylkill Action Network, who recently honored her with their "MVP" award. She also sits on various committees for nonprofits and government agencies. Krista has been nominated for the United Way Next Generation Leader Award and was named a Chester County "Millennial Superstar" in 2021.