

# 2024 Frances S. Sterrett Environmental Chemistry Symposium

## Micro-Plastics: Macro-Problem?

Saturday, November 9, 2024; 9:00 am – 1:45 pm

Berliner Hall Room 117, Hofstra University; Hempstead, NY 11549-1000

*The Frances S. Sterrett Environmental Chemistry Symposium is dedicated to presenting the public with up-to-date, factual scientific information on environmental topics. The symposium is organized by members of the Long Island Subsection of the American Chemical Society (LIACS) and cosponsored by the New York Section of the American Chemical Society (NYACS); this event is made possible with support from ACS LS-Sustainability Programming Grant, and Hofstra University's Chemistry Department. We invite you to join us and gain invaluable insights from field experts as they illuminate the pervasive issue of microplastics; and explore the latest advancements in detection methods and mitigation strategies to address this pressing environmental challenge.*

### Dr. J. Evan Ward

Professor and Head  
Department of Marine Sciences  
University of Connecticut

*Interactions Between Plastic Particles and Aquatic Suspension-Feeding Invertebrates: Searching for a Bioindicator of Microplastics in the Environment \**

### Dr. Luis Medina Faull

Lecturer and IDEA Fellow  
School of Marine and Atmospheric Sciences  
Stony Brook University

*From the Arctic to the Antarctic, Microplastics are Pervasive in the Ocean*

### Ms. Huiping Deng

PhD Student  
Lamont Doherty Earth Observatory  
Columbia Climate School  
Columbia University

*Microplastic and Nanoplastic Exposure Through Tap Water*

### Dr. Cody Garrison

Assistant Professor  
Department of Biology  
SUNY Old Westbury

*The Microplastic Problem Through a Microbial Lens*

### Dr. Matthew J. Campen

Distinguished Professor  
College of Pharmacy  
University of New Mexico

*Silent Invasion: The Remarkable Presence of Nanoplastics in the Human Body \**

### Dr. Huiyuan Guo

Assistant Professor  
Department of Chemistry  
Binghamton University

*Tracking the Biological Barrier-Crossing Behavior of Nanoplastics \**

### Dr. Ashok Deshpande

Research Chemist  
Northeast Fisheries Science Center  
Sandy Hook Laboratory  
National Oceanic Atmospheric Administration  
*Characterization of Microplastics by Using a Novel Method of Pyrolysis GC-MS*

**Note:** this symposium combines both in-person and virtual experiences. While the majority of talks will be held in person, those marked with “ \* ” will be conducted via Zoom.



**ACS** Local Section  
New York  
Long Island Subsection

**Registration** (free): using the link [2024 LIACS-ECY](#)  
**Contact:** [Dr. Paris Svoronos](#) – Symposium Chairperson