

Tyler Frankel

Assistant Professor of Environmental Science at University of Mary Washington

Fredericksburg, VA, US

He is an expert on ecotoxicology, specifically the impact of pharmaceutical, industrial waste products, & pesticides on aquatic wildlife.

Biography

Dr. Frankel is an Assistant Professor in the Department of Earth and Environmental Sciences at the University of Mary Washington. He maintains an active ecotoxicology research program focused on the impacts of pharmaceuticals, industrial waste products, and pesticides on aquatic wildlife. He is a member of the Society of Environmental Toxicology and Chemistry and currently serves on the executive committee for the Chesapeake and Potomac Regional Chapter of the Society of Environmental Toxicology and Chemistry. His work has been published in Environmental Science and Technology, Environmental Toxicology and Chemistry, and General and Comparative Endocrinology.

Areas of Expertise

Impact of Pharmaceutical, Industrial Waste Products and Pesticides on Aquatic Wildlife, Ecotoxicology, Aquatic Toxicology

Affiliations

Society for Environmental Toxicology and Chemistry, American Fisheries Society, Society for Integrative and Comparative Biology, North American Society for Comparative Endocrinology

Event Appearances

Assessing the impacts of methoxychlor exposure on the viability, reproduction, and behavior of the Seminole ramshorn snail (*Planorbella duryi*)
SETAC Annual 2019 Meeting

The Presence, Distribution, and Concentration of Microplastics in the Lower Basin of the Chesapeake Bay, USA Near Wastewater Treatment Plants.
SETAC Annual 2019 Meeting

Male fathead minnows exhibit decreased sperm motion characteristics and increased nest acquisition success due to levonorgestrel exposure
SETAC Annual 2017 Meeting

Effects of short-term exposure to the gestagens progesterone and levonorgestrel on the development of juvenile apple snails (*Pomacea canaliculata*)
SETAC Annual 2017 Meeting

What's in Your Water? Investigating the Effects of Human-Sourced Pollutants on Aquatic Environments
2019 UMW Alumni Reunion Weekend

Education

University of Maryland
Ph.D. Animal and Avian Sciences

University of Maryland
M.S. Animal and Avian Sciences

University of Maryland Baltimore County
Biological Sciences

Accomplishments

Current Member

Current member of the Board of Directors of the Chesapeake and Potomac Regional Chapter (CPRC) of the Society of Environmental Toxicology and Chemistry (SETAC) and member of SETAC North America

Visiting Assistant Professor

The Department of Environmental Science and Technology at the University of Maryland, College Park

Serves as a Reviewer

Multiple peer-reviewed impact-factored journals including Environmental Pollution, Environmental Science and Technology, North American Journal of Aquaculture, and Environmental Toxicology and Chemistry

Grant Recipient

Rappahannock EcoPark Research Support Grant - \$19,828.00 Project Title: Assessing the presence, concentrations, fate, and effects of microplastics in the Rappahannock River

Grant Recipient

Crow's Nest Research Center (CNRC) Grant - \$16,504.90 Project Title: Assessing the presence, concentrations, and impacts of nutrient pollution in Accokeek Creek and the Crow's Nest Research Center

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