



## Combined Effects of Climate Change and Merging Chemicals on Ecosystems

Guest Editors:

**Dr. Andreia C. M. Rodrigues**

CESAM – Centre for  
Environmental and Marine  
Studies, Department of Biology,  
University of Aveiro, 3810-193  
Aveiro, Portugal

rodrigues.a@ua.pt

**Dr. Maria Donas Bôtto Bordalo**

CESAM – Centre for  
Environmental and Marine  
Studies, Department of Biology,  
University of Aveiro, 3810-193  
Aveiro, Portugal

maria.bordalo@ua.pt

Deadline for manuscript  
submissions:

**30 June 2021**

### Message from the Guest Editors

The increase in the complexity of toxicological studies is important to an improved environmental risk assessment of emerging chemicals under a changing climate. We are observing the daunting impacts of climate change in both terrestrial and aquatic ecosystems today, aligned with compelling evidence that changes on abiotic factors alter the environmental distribution and toxicity of chemicals. On the other hand, new chemicals arrive on the market every year to meet demand for products and services.

This Special Issue of *Toxics* invites studies on the combined toxicological effects of abiotic parameters altered due to climate change (e.g., temperature, pH, salinization) and emerging chemicals (e.g., new persistent organic contaminants, personal care products, pharmaceuticals). A variety of topics encompassing the combined effects observed from lower to high levels of biological organization, from the subindividual to the community and ecosystem levels, will be included. We are also looking for studies on the fate and persistence of emerging chemicals in both terrestrial and aquatic systems under changing climate scenarios.

