

Special Issue

Development of New Tools for Recognizing Natural Toxins

Message from the Guest Editors

The severity of some intoxications derived from natural toxins, and their relation with environmental phenomena such as eutrophication, climate change, water pollution, or intensive agriculture, highlights the need for adequate monitoring tools for the already known molecules and the identification and detection of new toxic compounds. A great deal of the recent developments for already known toxins rely on advances in new technologies for analytical systems and biosensing (in lab bench analysis and *in situ*), including nanotechnology and microfabrication, new materials, and molecular biology-based methods. The development of selective materials to streamline the preprocessing of the samples for their further analysis or for their specific detection are among the most interesting advances in this field. Among them, molecularly imprinted polymers (MIPs), covalent organic frameworks (COFs), and bioreceptors (antibodies, enzymes, proteins, aptamers) present diverse advantages associated to their particular properties.

Guest Editors

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Message from the Editor-in-Chief

Toxinology is an incredibly diverse area of study, ranging from field surveys of environmental toxins to the study of toxin action at the molecular level. The editorial board and staff of *Toxins* are dedicated to providing a timely, peer-reviewed outlet for exciting, innovative primary research articles and concise, informative reviews from investigators in the myriad of disciplines contributing to our knowledge on toxins. We are committed to meeting the needs of the toxin research community by offering useful and timely reviews of all manuscripts submitted. Please consider *Toxins* when submitting your work for publication.

Editor-in-Chief

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