Special Issue

Advanced Technology for Toxins Detection: Current Status and Future Perspectives

Message from the Guest Editors

Low doses of toxins can cause poisoning or death of humans and animals. They are often doped in food processing, water and other environments and cause extremely hazardous events, which have become a worldwide public safety issue. The challenges of toxin detection are the high sensitivity, due to the lethality of low-dose toxins, and achieving a simple, quick operation, avoiding the toxins causing harm to non-professional operators. At present, many toxins lack specific antigens and antibodies, and there is no effective clinical detection method. This Special Issue aims to provide advanced technology for toxin detection, and address the current status and future perspectives of the detection of toxins. It includes advanced immunoassay and nucleic acid detection of toxin, on-site and clinical detection of toxin, new detection technology based on nano materials, etc. We hope that researchers will share their valuable research on toxin detection to open up unexplored areas.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2023)

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About the Journal

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

Prof. Dr. Jay Fox
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