Special Issue

Advances in Research for the Potential Use of Plant Toxins

Message from the Guest Editor

As well known, a lot of seed compounds for the drug development were found from natural products such as plants, animals, microorganisms, minerals, and so on. The materials are sometimes listed in toxins and venoms. In old times, toxic alkaloid *d*-tubocurarine was isolated from *Chondodendron tomentosum*, and have been used as drugs and/or reagent for muscle relaxant. In other cases, tropane alkaloids, such as the hyoscyamine (levo-atropine) and scoporamine included in some *Solanaceae* plants, are very important antagonists for acetycholine receptor. In this way, natural toxins are very important drug seeds for critical effects. However, a lot of reported compounds with cytotoxicity were not examined satisfactorily for other beneficial use, except for anti-tumor drugs. The aim of this Special Issue is not limited to either plant toxins or toxic plants. Additionally, papers considering research topics, such as chemical structures, biological activity, data science (*in vivo* or *in vitro*), chemical biology, mechanisms, cultivation, etc., are welcome. Of course, not only original research articles, but also review type articles, are welcome. Clicking to Find More Detailed Information

Guest Editor

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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

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