Special Issue

Plant Toxins Affecting Animal Health and Production

Message from the Guest Editor

Plant toxins can adversely affect grazing livestock through specific toxicoses, such as pyrrolizidine alkaloid-associated liver disease and reproductive losses through abortion and teratogenic effects as seen in the consumption of jervoline alkaloids. More insidious and harder to identify and/or quantify is the sub-acute chronic poisoning of stock that can result in productivity losses through poor weight gain and reproductive inefficiencies. Plant toxins consumed by livestock also have the potential to cause secondary poisoning whereby toxins accumulated in animal tissue have the potential to adversely affect secondary consumers. This Special Issue provides a platform to survey the occurrence of plant toxins globally as well as investigations of their impact on livestock health and production. Understanding toxins and their prevalence and residue potential are all necessary aspects of this important global issue, and the development of appropriate analytical chemistry techniques to monitor these plant toxins are a central pillar to improving our understanding in this area.

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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