



Holistic Toxicological Approaches in Forensic Sciences Applications: New Perspectives and Approaches to Improve Casework

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Deadline for manuscript
submissions:

closed (30 September 2023)

Message from the Guest Editors

Environmental abiotic and biotic stressors include inorganic (rocks and minerals) and organic (plants and animals) factors. In the broad spectrum of the planet's ecosystems, these factors may interact and, in some cases, release harmful substances affecting living organisms (humans, domestic and wild animals, and plants) and non-living matter. In recent years, there has been increased interest in the epigenetic effects of nanoplastic, algal toxin, and mycotoxin microconcentrations. Considering this, a multidisciplinary approach involving experts in the environmental and life sciences (toxicology, legal medicine, entomology, veterinary forensic science, biology, and geology) may provide helpful information to develop and optimize new protocols for toxicological screening. This holistic approach could be a support tool to easily detect adulterants, substituents, harmful environmental interactions, or poisons to better manage and protect the environment, improve public health for future generations, and develop forensic sciences applications.





toxics



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Message from the Editor-in-Chief

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