



toxins



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Development and Validation of Analytical Methods for the Determination of Mycotoxins

Guest Editor:

Prof. Dr. Laura Anfossi

Department of Chemistry,
Università degli Studi di Torino,
10124 Torino, Italy

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Message from the Guest Editor

Mycotoxins are compounds produced by the secondary metabolites of fungi. Most mycotoxins have harmful effects on human and animal health and represent a serious hazard that has been recognized by regulations on food and feed quality and safety worldwide.

This Special Issue will encompass all aspects of new strategies for the efficient determination of mycotoxins, such as extraction from substrates, separation, and detection. Rapid testing and screening strategies to monitor mycotoxins will be considered, including sensors, biosensors, and methods exploiting new nanomaterials and nanotechnologies. Hyphenated techniques and high-throughput methods enabling the accurate and multiplexing determination of several classes of mycotoxins and the unveiling of new and unknown compounds will be also considered. Methods addressing the fate of mycotoxins and their transformation by plant, animal, and human metabolism will also be included, as well as new analytical approaches focused on mycotoxin detection in unconventional matrices. Special focus will be devoted to the validation aspects of emerging analytical methods.

Prof. Laura Anfossi

Guest Editor



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Special Issue



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Prof. Dr. Jay Fox

Department of Microbiology,
University of Virginia,
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Message from the Editor-in-Chief

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Toxins Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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