

Special Issue

Mycotoxins Occurrence in Feed and Their Influence on Animal Health

Message from the Guest Editors

Animal feeds, feedstuffs, and feed materials are frequently contaminated with undesirable substances, such as mycotoxins. According to various organizations evaluating the quality of plant materials, exposure to various mycotoxin doses in feed can have unpredictable consequences during mycotoxicosis. This uncertainty is associated with both the dose and the duration of exposure. Small and moderate doses often produce surprising effects, as follows: (i) the body fails to recognize the presence of undesirable substances, such as mycotoxins, and the underlying principle is similar to the T-reg's theory; (ii) mycotoxin absorption increases during prolonged per os exposure; (iii) a compensatory effect is observed, which inhibits the activity of the analyzed factors, and homeostasis is restored despite ongoing exposure; and (iv) biomarkers of gastrointestinal functionality are detected. Mycotoxins alter the gut microbiome, and they can contribute to immune, endocrine, and metabolic disorders. These symptoms are difficult to identify and more difficult to interpret correctly.

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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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