



## **Mycotoxins Occurrence in Feed and Their Influence on Animal Health**

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### **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-regs 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.

Deadline for manuscript  
submissions:

**closed (30 June 2020)**





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## Message from the Editor-in-Chief

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