



toxins



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Human Biomonitoring and Risk Assessment of Mycotoxins

Guest Editor:

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Deadline for manuscript submissions:

closed (31 December 2023)

Message from the Guest Editor

Humans are exposed to mycotoxins predominantly via food. However, occupational exposure to mycotoxins may also occur, e.g., via inhalation of contaminated, airborne dust in occupational settings. It is often technically demanding to analyse the presence of all (forms of) mycotoxins in numerous raw agricultural commodities, food products or airborne dust. Therefore, the exposure assessments of mycotoxins are frequently hampered by a lack of, or outdated, occurrence data. To overcome this issue, human biomonitoring (HBM) can be used to estimate (total) external exposure from concentrations of suitable exposure biomarkers in blood and/or urine. In addition, (the onset of) a negative human health effect may be identified (early) by measuring effect biomarkers in biological matrices. In terms of risk assessment, internal or external exposure can be compared with, respectively, HBM guidance values or health-based guidance values. These comparisons allow the assessment of possible risks to human health.

For this Special Issue we are inviting researchers to submit novel studies and review articles that may enhance the use of human biomonitoring in the risk assessment of mycotoxins.



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Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

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