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Titolo	LC-MS/MS Method for Mycotoxin Analysis / / Aldo Lagana, editor
Pubbl/distr/stampa	Basel, Switzerland : , : MDPI AG - Multidisciplinary Digital Publishing Institute, , 2017
Descrizione fisica	1 online resource (194 pages)
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Soggetti	Mycotoxins
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Annotation Mycotoxins are secondary metabolites produced by some species of filamentous fungi belonging to <i>Fusarium</i>, <i>Aspergillus</i>, <i>Penicillium</i>, <i>Claviceps</i> and <i>Alternaria</i> genera. The biochemical significance of mycotoxins in fungal metabolism has not always been fully clarified; however, the main concern for mycotoxins is driven by the deleterious effects they can exert on human and animal health. Structurally, the mycotoxins currently known belong to heterogeneous chemical classes, therefore the toxic effects they can induce are highly diverse (e.g., cancerogenic and immunosuppressive effects). The main route of human exposure to mycotoxins is by intake of contaminated food, either directly from contaminated agricultural products, or indirectly from residues and metabolites present in foods of animal origin. Immunochemical methods are generally used for the fast screening of mycotoxin presence; however, for confirmation purposes, analytical methods based on high-performance liquid chromatography (LC) are preferred, especially when coupled with tandem mass spectrometry (MS/MS), which allows the determination of multiclass mycotoxins in a single analysis. Moreover, the technical innovations available in LC-MS/MS instrumentation are prompting its application to the monitoring of contaminants in food and feed. The aim of this paper collection, constituted by ten research articles and one review, is to provide the reader with an overview on the novelties and capabilities in LC-MS/MS-based multi-mycotoxin methods, also including the</p>

2. Record Nr.

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Titolo

Expanding the Panama Canal : what does it mean for American freight and infrastructure? : hearing before the Committee on Commerce, Science, and Transportation, United States Senate, One Hundred Thirteenth Congress, first session, April 10, 2013

Pubbl/distr/stampa

Washington : , : U.S. Government Printing Office, , 2014

Descrizione fisica

1 online resource (iii, 68 pages) : illustrations

Collana

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Soggetti

Freight and freightage - United States
Infrastructure (Economics) - United States
Harbors - Atlantic Coast (U.S.)
Harbors - Gulf Coast (U.S.)
Harbors - Pacific Coast (U.S.)
Cargo ships
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Panama Canal (Panama)
Panama Canal (Panama) Economic aspects

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