1. Record Nr. UNINA9910557548303321

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Titolo	Ecological and Evolutionary Aspects of Complex Relations between Micro- and Macroparasites and their Wild Animal Hosts
Pubbl/distr/stampa	Frontiers Media SA, 2020
Descrizione fisica	1 online resource (168 p.)
Soggetti	Medicine and Nursing Veterinary medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/contact

2. Record Nr. UNINA9910743277603321

Titolo	Novel Strategies for Biodegradation and Detoxification of Mycotoxins
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2023
Descrizione fisica	1 online resource (234 p.)
Soggetti	Biotechnology Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Mycotoxins contamination is a continuing global problem that severely affects animal health and performance, and further threatens food safety. The industry's common aspiration is to eliminate feed mycotoxins contamination and control their hazards. In recent years, animal mycotoxicosis has occurred frequently all over the world, which has brought huge economic losses to the agriculture industry. The potential damage caused by mycotoxins-induced decreased disease resistance in animals and food safety problems in human health is incalculable. There is a long way to go to prevent mycotoxins hazards. Biodegradation is a promising strategy to eliminate mycotoxins as it can transform mycotoxins into nontoxic or less toxic metabolites under mild conditions, retaining the sensory quality and nutritional value of agricultural commodities. Moreover, animals have a certain ability to detoxify mycotoxins, and some bioactive substances, such as lipoic acid, sporoderm-broken spores of Ganoderma lucidum, and quercetin, can improve the detoxification ability of animals to reduce the toxic effects of mycotoxins. This reprint aimed to gather contributions of original research or reviews related to novel strategies for biodegradation and detoxification of mycotoxins. Topics of interest will include novel mycotoxin-degrading microorganisms and enzymes, fermentation technology to reduce the mycotoxin content in cereal products, studies on alleviating the mycotoxicosis of livestock by the

addition of bioactive substances or mycotoxin biodegradation agents, and any preliminary research that promotes progress in this field.