Mycokey

Integrated and innovative key actions for mycotoxin management in the food and feed chain

Lay summaries

Knowledge transfer to stakeholders







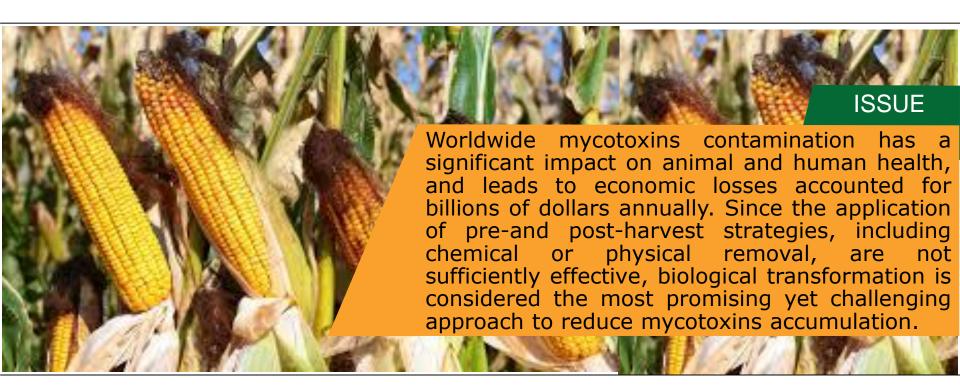




Remediation

Mycotoxin biotransformation by native and commercial enzymes: Present and future perspectives

Mycotoxins biotransformation by native and commercial enzymes



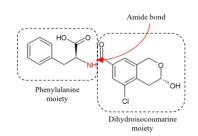


Remediation

Mycotoxins biotransformation by native and commercial

APPROACH

A systematic review of the available data on mycotoxins biotransformation by native and commercial pure enzymes was performed. A global overview of their mechanisms, their current and possible applications and limitations in food, feed and bioenergy in compliance with the European Regulation was discussed.





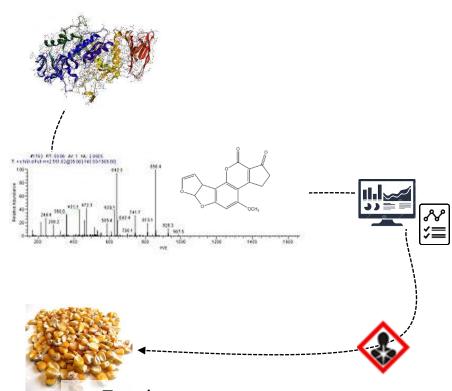
Remediation

Mycotoxins biotransformation by native and commercial enzymes

OUTCOMES

Different enzymes were characterized and identified as capable of degrading mycotoxins. However their use remains limited due to lack of toxicological data of the degradation products and possible effects on the nutritional, technological and organoleptic properties of the treated material.

Loi M., Fanelli F., Liuzzi V., Logrieco A., & Mulè G. (2017). Mycotoxin biotransformation by native and commercial enzymes: Present and future perspectives. Toxins, 9(4), 111.Doi: 10.3390/toxins9040111



- Food
- Feed
- Energy field

