

Contents 4/09

Molecular Nutrition Food Research

Bioactivity & Safety
Microbiology

Immunology
Chemistry

Special: Food-borne Mycotoxins

Guest Editor: Doris Marko

Editorial

Food-borne Mycotoxins

Doris Marko 421

Research Article

The *Fusarium* toxin enniatin B exerts no genotoxic activity, but pronounced cytotoxicity *in vitro*

Claudia Behm, Gisela H. Degen and Wolfram Föllmann 423

Research Article

Enniatins A1, B and B1 from an endophytic strain of *Fusarium tricinctum* induce apoptotic cell death in H4IIE hepatoma cells accompanied by inhibition of ERK phosphorylation

Wim Wätjen, Abdessamad Debbab, Anke Hohlfeld, Yvonne Chovolou, Andreas Kampkötter, Ru Angelie Edrada, Rainer Ebel, Abdelhak Hakiki, Mahjoub Mosaddak, Frank Totzke, Michael H. G. Kubbutat and Peter Proksch 431

Research Article

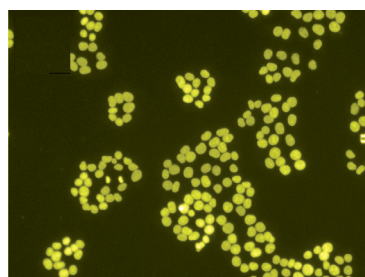
Alternariol acts as a topoisomerase poison, preferentially affecting the II α isoform

Markus Fehr, Gudrun Pahlke, Jessica Fritz, Morten O. Christensen, Fritz Boege, Martina Altemöller, Joachim Podlech and Doris Marko 441

Research Article

Oxidative *in vitro* metabolism of the *Alternaria* toxins altenuene and isoaltenuene

Erika Pfeiffer, Carina Herrmann, Martina Altemöller, Joachim Podlech and Manfred Metzler 452



Research Article

Silibinin protects OTA-mediated TNF- α release from perfused rat livers and isolated rat Kupffer cells

Laay Al-Anati, Ebtisam Essid, Roland Reinehr, Ernst Petzinger 460

Review

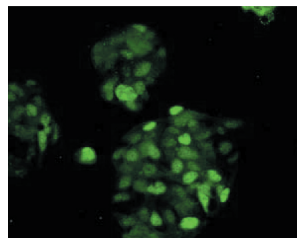
Mycotoxins and the kidney: Modes of action for renal tumor formation by ochratoxin A in rodents

Angela Mally and Wolfgang Dekant 467

Research Article**Potential of deoxynivalenol to induce transcription factors in human hepatoma cells**

Carina Nielsen, Harald Lippke, Andrea Didier, Richard Dietrich and Erwin Märtlbauer

... 479

**Research Article****Free and bound fumonisins in gluten-free food products**

Chiara Dall'Asta, Gianni Galaverna, Mattia Mangia, Stefano Sforza, Arnaldo Dossena and Rosangela Marchelli

492

Research Article**A basic tool for risk assessment: A new method for the analysis of ergot alkaloids in rye and selected rye products**

María-Teresa García-Conesa, Sandra Tribolo, Sylvain Guyot, Francisco A. Tomás-Barberán and Paul A. Kroon

500

**Review****Review on sample preparation strategies and methods used for the analysis of aflatoxins in food and feed**

Elisabeth Reiter, Jürgen Zentek and Ebrahim Razzazi

508