

Contents 9/08

Molecular Nutrition Food Research

Bioactivity & Safety
Microbiology

Immunology
Chemistry

Special: Curcumin: A Promising Spice for Therapeutics

Guest Editor: Catalina Alarcón de la Lastra

Editorial

Curcumin: A Promising Spice for Therapeutics

Catalina Alarcón de la Lastra 985

Review

Modulation of steroid activity in chronic inflammation: A novel anti-inflammatory role for curcumin

Saibal Biswas and Irfan Rahman 987

Research Article

Effect of curcumin supplementation on blood glucose, plasma insulin, and glucose homeostasis related enzyme activities in diabetic *db/db* mice

Kwon-Il Seo, Myung-Sook Choi, Un Ju Jung, Hye-Jin Kim, Jiyoung Yeo, Seon-Min Jeon and Mi-Kyung Lee 995



Review

Curcumin in cancer management: Recent results of analogue design and clinical studies and desirable future research

William P. Steward and Andreas J. Gescher 1005

Review

Multi-targeted therapy by curcumin: how spicy is it?

Ajay Goel, Sonia Jhurani and Bharat B. Aggarwal 1010



Review

Immunomodulatory effects of curcumin in allergy

Viswanath P. Kurup and Christy S. Barrios 1031

Review

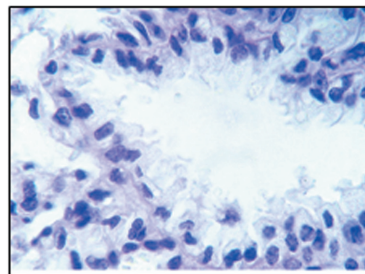
New mechanisms and therapeutic potential of curcumin for colorectal cancer

Isabel Villegas, Susana Sánchez-Fidalgo and Catalina Alarcón de la Lastra 1040

Review**Curcumin and the cellular stress response in free radical-related diseases**

Vittorio Calabrese, Timothy E. Bates, Cesare Mancuso, Carolin Cornelius, Bernardo Ventimiglia, Maria Teresa Cambria, Laura Di Renzo, Antonino De Lorenzo and Albena T. Dinkova-Kostova

... 1062

**Research Article****Metabolism of curcumin and induction of mitotic catastrophe in human cancer cells**

Julia S. Dempe, Erika Pfeiffer, Anne S. Grimm and Manfred Metzler 1074

Research Article**Dimethoxycurcumin, a synthetic curcumin analogue with higher metabolic stability, inhibits NO production, inducible NO synthase expression and NF- κ B activation in RAW264.7 macrophages activated with LPS**

Hyun-Ock Pae, Sun-Oh Jeong, Hak Sung Kim, Seong Heak Kim, Yung Sun Song, Sung-kwun Kim, Kyu-Yun Chai and Hun-Taeg Chung 1082