

TABLE OF CONTENTS

- 1 **Mechanism of Nitric Oxide Production in Macrophages Treated with Medicinal Mushroom Extracts (Review)**
Mian Huang, Xiaodeng Mei, & Song Zhang
- 7 **Anti-Infective Properties of the Melanin-Glucan Complex Obtained from Medicinal Tinder Bracket Mushroom, *Fomes fomentarius* (L.:Fr.) Fr. (Aphyllorphomycetideae)**
Olga F. Seniuk, Leontiy F. Gorovoj, Galina V. Beketova, Hatalia O. Savichuk, Petr G. Rytik, Igor I. Kucherov, Alla B. Prilutskay, & Alexandr I. Prilutsky
- 19 **The Shaggy Inc Cap Medicinal Mushroom, *Coprinus comatus* (O.F.Mull.:Fr.) Pers. (Agaricomycetideae) Substances Interfere with H₂O₂ Induction of NF- κ B Pathway through Inhibition of I κ B α Phosphorylation in MCF7 Breast Cancer Cells**
Mikheil D. Asatiani, Solomon P. Wasser, Eviatar Nevo, Nili Ruimi, Jamal Mahajna & Abraham Z. Reznick
- 27 **An Antifungal Protein from the Culinary-Medicinal Beech Mushroom, *Hypsizygus marmoreus* (Peck) Bigel. (Agaricomycetideae)**
Tomohiro Suzuki, Kanako Umehara, Ai Tashiro, Yuka Kobayashi, Hideo Dohra, Hirofumi Hirai, & Hirokazu Kawagishi
- 33 **Potential Activity of Aqueous Extract of Culinary-Medicinal Lion's Mane Mushroom, *Hericium erinaceus* (Bull.:Fr.) Pers. (Aphyllorphomycetideae) in Accelerating Wound Healing in Rats**
Mahmood Ameen Abdulla, Atieh Abdollahi Fard, Vikineswary Sabaratnam, Kah-Hui Wong, Umah Rani Kuppusamy, Noorlida Abdullah, & Salmah Ismail
- 41 **Statistical Optimization of Polysaccharide Production by Submerged Cultivation of Lingzhi or Reishi Medicinal Mushroom, *Ganoderma lucidum* (W.Curt.:Fr.) P. Karst. MTCC 1039 (Aphyllorphomycetideae)**
Gurunathan Baskar, Shree Rajesh K. Lakshmi Jai Sathya, Riswana Begum Jinnah, & Renganathan Sahadevan
- 51 **Production of Bioactive Exopolysaccharides from Bitter Medicinal Mushroom, *Antrodia camphorata* (M. Zang et C.H. Su) Sh.H. Wu et al. (Aphyllorphomycetideae) in Submerged Cultivation**
Ming-You Lung, Ching-Yi Lee, Wen-Xian Chen, & Ernest Huang
- 61 **Preparation of Culinary-Medicinal Maitake Mushroom, *Grifola frondosa* (Dicks.:Fr.) S.F. Gray (Aphyllorphomycetideae)-fermented Wheat and its Antioxidant Properties**
Shih-Jeng Huang, Shu-Yao Tsai, Shin-Yi Lin, Chih-Hung Liang, Pei-Ying Lian & Jeng Leun Mau
- 73 **Partial Purification and Characterization of Polyphenoloxidase from Culinary-Medicinal Royal Sun Mushroom (the Himematsutake), *Agaricus brasiliensis* S. Wasser et al. (Agaricomycetideae)**
Akiko Matsumoto-Akanuma, Satoshi Akanuma, Masuro Motoi, Akihiko Yamagishi, & Naohito Ohno
- 83 **Long-Term Preservation, Regeneration, and Cultivation of *Paecilomyces tenuipes* (Peck) Samson (Ascomycetes), an Entomopathogenic Fungus Inoculated into the Silkworm Larva of *Bombyx mori***
Sung Hee Nam, Chun Ru Li, Zeng-Zhi Li, Mei-Zhen Fan, Seok Woo Kang, Kwang Gill Lee, Joo Hong Yeo, Jae Sam Hwang, Ji Young Choi, Sang Mi Han, & Ki Man Lee
- 93 **Professor Shu-Ting Chang on his 80th Birthday**
Solomon P. Wasser
- 96 **The 6th International Medicinal Mushroom Conference, September 25 - 29, 2001 (Zagreb, Croatia)**