# FOOD SCIENCE AND TECHNOLOGY RESEARCH

Contents of Vol. 23, No. 2

Food Science and Technology Research Highly accessed articles (2013-)
 Food Science and Technology Research Submission Guidelines

## Food Technology and Engineering

#### Original papers

- 169 Combinatorial Bacteriostatic Activities of Garlic Bulb-, Lemon Peel- and Orange Peel Extracts Against Common Foodborne Bacteria in a Tomato-Based Pasta Meat Sauce
  - Alonzo A. Gabriel, Marie Jo J. Dela Rosa and Hannah P. Madriaga
- The Effects of Mixing and Fermentation Times on Chemical and Physical Properties of White Pan Bread Mito Kokawa, Tatsuro Maeda, Airi Morita, Tetsuya Araki, Masaharu Yamada, Koji Takeya and Yasuyuki Sagara
- 193 Combined Effect of Microwave and Steam Cooking on Phytochemical Compounds and Antioxidant Activity of Purple Sweet Potatoes
  - Yanping Chen, Yanshun Xu, Yaqun Cao, Kun Fang, Wenshui Xia and Qixing Jiang
- 203 Effect of Calcium Stearyl Lactylate on Physicochemical Properties of Texturized Wheat Gluten Wen Yang, Xin-Sheng Qin, Shui-Zhong Luo, Yan-Yan Zhao, Xi-Yang Zhong, Dong-Dong Mu, Shao-Tong Jiang and Zhi Zheng

#### Technical papers

- 213 Characterization of Prokaryotic Community Diversity in New and Aged Pit Muds from Chinese Luzhou-flavor Liquor Distillery
  - Qianying Zhang, Yuju Yuan, Wen Luo, Liyun Zeng, Zhengyun Wu and Wenxue Zhang
- 221 Effect of Emulsification on the Physical Properties of High-amylose Rice Gel
  Кепісһі Ношуо, Junichi Sugıyama, Mito Кокаwa, Kaori Fuлта, Wataru Yuge, Rie Nozakı and
  Тоshimi Ітон
- The Kinetic Analysis and Simulation of Hardening in Bread Made by the Yudane Dough Method Kazumasa Tsuboi, Ami Ohara, Koki Matsushita, Daiju Yamada, Dennis Marvin Santiago, Sakura Kawakami, Hiroshi Koaze and Hiroaki Yamauchi

#### Note

237 A Simple Method to Measure the Surface Roughness of Spaghetti Using a Digital Camera Takenobu Ogawa and Shuji Adachi

### Food Science and Chemistry

#### Original papers

- 241 Factors Affecting Dimethyl Trisulfide Formation in Wine
  - Nahoko Nishibori, Asami Kuroda, Osamu Yamada and Nami Goto-Yamamoto
- 249 Heat-induced Aggregation of Casein in Reconstituted Skimmed Milk at pH 3.30-3.55
  - Tomoki Nakano, Motoko Ueki, Ryu Mizoguchi, Masahiko Takeshita, Yuo Arima and Takayoshi Aoki
- 255 Extraction and Characterization of Gelatin from Bovine Lung
  - Bimol C. Roy, Dileep A. Omana, Mirko Betti and Heather L. Bruce
- 267 Production of Staphylococcal Enterotoxin A in Cooked Rice and Limitation of its Organoleptic Detection Satomi Tsutsuura and Masatsune Murata
- 275 Preventive Activity of ar-Turmerone and Bisacurone Isolated from Turmeric Extract Against Ethanol-induced Hepatocyte Injury
  - Chiaki Медимі, Koutarou Muroyama, Hiroshi Sasako and Nobuaki Tsuge

- 4-Hydroxy-5-Methyl-3(2H)-Furanone (HMFO) Contributes to Browning in the Xylose-Lysine Maillard Reaction System Yoko Mikami, Miki Nakamura, Shinji Yamada and Masatsune Murata
   Improvement of the Bread-making Properties of Stored or Dry-heated Rice Flour with Sucrose Fatty Acid Ester Yuki Ushuma, Mariko Nakagawa, Aya Tabara, Kotaro Matsunaga and Masaharu Seguchi
   White Rice Glycemic Index Measured in Venous and Capillary Blood Samples Chiao-Hsin Yang, Chia-Wei Chang and Jenshinn Lin
   Isomaltodextrin Prevents DSS-induced Colitis by Strengthening Tight Junctions in Mice Chikako Arai, Takeo Sakurai, Satomi Koya-Miyata, Shigeyuki Arai, Yoshifumi Taniguchi, Takashi Kamiya, Chiyo Yoshizane, Kazue Tsuji-Takayama, Hikaru Watanabe, Shimpei Ushio and Shigeharu Fukuda
- Dietary D-Allose Ameliorates Hepatic Inflammation in Mice with Non-alcoholic Steatohepatitis

  Ryoko Yamamoto, Ayaka Iida, Ken Tanikawa, Hideki Shiratsuchi, Masaaki Tokuda, Toshiro Matsui and
  Tsuyoshi Nakamura
- A Novel Approach to Prepare Protein-proanthocyanidins Nano-complexes by the Reversible Assembly of Ferritin Cage Zhongkai Zhou, Guoyu Sun, Yuqian Liu, Yunjing Gao, Jingjing Xu, Demei Meng, Padraig Strappe, Chris Blanchard and Rui Yang

#### Notes

- Addition of Fatty Acids and Heat Treatment to Reduce Potato Starch Digestibility

  Daiki Mori, Keita Nakashima, Rumiko Toyoshima, Shiori Oki, Haruna Ogawa, Kyoko Ishikawa,

  Han Zhang, Jieyu Chen and Yoshinobu Akiyama
- 343 Inhibitory Effects of 6-Methylsulfinylhexyl Isothiocyanate on Superoxide Anion Generation from Differentiated HL-60 Human Promyelocytic Leukemia Cells
  - Tomoe Yamada-Karo, Isao Okunishi, Yosuke Fukamatsu and Yusuke Yoshida
- Lactose Increases the Production of 1-deoxynojirimycin in *Bacillus amyloliquefaciens*Kenji Yamagishi, Shinji Onose, So Takasu, Junya Ito, Ryoichi Ikeda, Toshiyuki Kimura, Kiyotaka Nakagawa and Teruo Miyazawa
- Additive Beneficial Effect of Epigallocatechin Gallate and Quercetin on the Arteriosclerosis Index in Mice Кођі Уамакі and Yoko Таканаsні