

# TRENDS IN FOOD SCIENCE & TECHNOLOGY

## REVIEWS

- The effects of sublethal doses of essential oils and their constituents on antimicrobial susceptibility and antibiotic resistance among food-related bacteria: A review** by Evandro Leite de Souza 1
- Machine vision system for food grain quality evaluation: A review** by P. Vithu and J.A. Moses 13
- The biological activities, chemical stability, metabolism and delivery systems of quercetin: A review** by Weiyu Wang, Cuixia Sun, Like Mao, Peihua Ma, Fuguo Liu, Jie Yang and Yanxiang Gao 21
- Status of nutrition and health claims in Europe by mid 2015** by Hans Verhagen and Henk van Loveren 39
- Conventional spray-drying and future trends for the microencapsulation of fish oil** by Cristian Encina, Cristina Vergara, Begoña Giménez, Felipe Oyarzún-Ampuero and Paz Robert 46
- Effects of hydrocolloids and processing conditions on acid whey production with reference to Greek yogurt** by Rabin Gyawali and Salam A. Ibrahim 61
- Determinants for conducting food safety culture research** by Shingai P. Nyarugwe, Anita Linnemann, Gert Jan Hofstede, Vincenzo Fogliano and Pieter A. Luning 77

*(contents continued)*

|  |     |
|--|-----|
| <b>Lipid oxidation in mayonnaise and the role of natural antioxidants: A review</b> by Sara Ghorbani Gorji, Heather E. Smyth, Mary Sharma and Melissa Fitzgerald   | 88  |
| <b>Integrated sustainable process design framework for cassava biobased packaging materials: Critical review of current challenges, emerging trends and prospects</b> by K.S. Tumwesigye, J.C. Oliveira and M.J. Sousa -Gallagher                  | 103 |
| <b>Role of food processing in food and nutrition security</b> by Mary Ann Augustin, Malcolm Riley, Regine Stockmann, Louise Bennett, Andreas Kahl, Trevor Lockett, Megan Osmond, Peerasak Sanguantri, Welma Stonehouse, Ian Zajac and Lynne Cobiac | 115 |
| <b>Food drying enhancement by ultrasound – A review</b> by Grzegorz Musielak, Dominik Mierzwa and Joanna Kroehnke  | 126 |
| <b>Lycopene: Progress in microbial production</b> by Ayerim Hernández-Almanza, Julio Montañez, Guillermo Martínez, Alejandro Aguilar-Jiménez, Juan C. Contreras-Esquivel and Cristóbal N. Aguilar  | 142 |
| <b>Technological benefits of inulin-type fructans application in gluten-free products – A review</b> by Natalia Drabińska, Henryk Zieliński and Urszula Krupa-Kozak  | 149 |
| <b>The role of sugars and sweeteners in food, diet and health: Alternatives for the future</b> by Cathrina H. Edwards, Megan Rossi, Christopher P. Corpe, Peter J. Butterworth and Peter R. Ellis  | 158 |
| <b>Risk-based integrity audits in the food chain – A framework for complex systems</b> by J.A. Kleboth, P.A. Luning and V. Fogliano  | 167 |
| <b>The meat of affliction: Insects and the future of food as seen in Expo 2015</b> by Matan Shelomi  | 175 |