

TRENDS IN FOOD SCIENCE & TECHNOLOGY

REVIEWS

- An overview of the intelligent packaging technologies in the food sector** by Masoud Ghaani, Carlo A. Cozzolino, Giulia Castelli and Stefano Farris 1
- Application of microbial TTIs as smart label for food quality: Response mechanism, application and research trends** by Xiaoshuan Zhang, Gege Sun, Xinqing Xiao, Yuanrui Liu and Xiaoping Zheng 12
- Functional and bioactive properties of fish protein hydrolysates and peptides: A comprehensive review** by N.R.A. Halim, H.M. Yusof and N.M. Sarbon 24
- Recent advances and current status of the use of heat treatments in postharvest disease management systems: Is it time to turn up the heat?** by Yuan Sui, Michael Wisniewski, Samir Droby, John Norelli and Jia Liu 34
- Study of physical and mechanical properties of polypropylene nanocomposites for food packaging application: Nano-clay modified with iron nanoparticles** by Mohammad-Javad Khalaj, Hamidreza Ahmadi, Rasoul Lesankhosh and Gholamreza Khalaj 41
- Influence of hydrocolloids on dough handling and technological properties of gluten-free breads** by Shabir Ahmad Mir, Manzoor Ahmad Shah, Haroon Rashid Naik and Imtiyaz Ahmad Zargar 49

(Contents continued overleaf)

(contents continued)

| | |
|---|-----|
| Food design strategies to increase vegetable intake: The case of vegetable enriched pasta by Teresa Oliviero and Vincenzo Fogliano | 58 |
| The “sisters” α-helices of collagen, elastin and keratin recovered from animal by-products: Functionality, bioactivity and trends of application by Vincenza Ferraro, Marc Anton and Véronique Santé-Lhoutellier | 65 |
| Microencapsulation of vitamin A: A review by Antónia Gonçalves, Berta N. Estevinho and Fernando Rocha | 76 |
| Control of ochratoxin A-producing fungi in grape berry by microbial antagonists: A review by Hongyin Zhang, Maurice Tibiru Apaliya, Gustav K. Mahunu, Liangliang Chen and Wanhai Li | 88 |
| Salt reduction in baked products: Strategies and constraints by Tahreem Israr, Allah Rakha, Muhammad Sohail, Summer Rashid and Aamir Shehzad | 98 |
| COMMENTARY | |
| Making things clear: Science-based reasons that chickens are not fed growth hormones by Yajaira Esquivel-Hernandez, Ricardo E. Ahumada-Cota, Matias Attene-Ramos, Christine Z. Alvarado, Pilar Castañeda-Serrano and Gerardo M. Nava | 106 |