

Contents

Foreword <i>J. Gilbert</i>	1567
Future perspectives in Orbitrap™-high-resolution mass spectrometry in food analysis: a review <i>H.Z. Senyuva, V. Gökmen and E.A. Sarikaya</i>	1568
High-resolution Orbitrap™-based mass spectrometry for rapid detection of peanuts in nuts <i>L. Monaci, E. De Angelis, S.L. Bavaro and R. Pilolli</i>	1607
Quantitative targeted and retrospective data analysis of relevant pesticides, antibiotics and mycotoxins in bakery products by liquid chromatography-single-stage Orbitrap mass spectrometry <i>E. De Dominicis, I. Commissati, E. Gritti, D. Catellani and M. Suman</i>	1617
Simultaneous quantitative determination, identification and qualitative screening of pesticides in fruits and vegetables using LC-Q-Orbitrap™-MS <i>P. Zomer and H.G.J. Mol</i>	1628
Analysis of veterinary drug and pesticide residues in animal feed by high-resolution mass spectrometry: comparison between time-of-flight and Orbitrap <i>M.L. Gómez-Pérez, R. Romero-González, J.L. Martínez Vidal and A. Garrido Frenich</i>	1637
Study of the natural occurrence of T-2 and HT-2 toxins and their glucosyl derivatives from field barley to malt by high-resolution Orbitrap mass spectrometry <i>V.M.T. Lattanzio, B. Ciasca, V. Terzi, R. Ghizzoni, S.P. McCormick and M. Pascale</i>	1647
Use of UHPLC high-resolution Orbitrap mass spectrometry to investigate the genes involved in the production of secondary metabolites in <i>Aspergillus flavus</i> <i>N. Arroyo-Manzanares, J.D. Di Marungu, V. Uka, S.V. Malysheva, J.W. Cary, K.C. Ehrlich, L. Vanhaecke, D. Bhatnagar and S. De Saeger</i>	1656
A case of human poisoning by grayanotoxins following honey ingestion: elucidation of the toxin profile by mass spectrometry <i>A. These, D. Bodi, S. Uecker, K. Reimers, S. Ronczka, A. Preiss-Weigert and M. Lahrssen-Wiederholt</i>	1674
Advances in high-resolution mass spectrometry based on metabolomics studies for food – a review <i>J. Rubert, M. Zachariasova and J. Hajslova</i>	1685
Assessment of meat authenticity using bioinformatics, targeted peptide biomarkers and high-resolution mass spectrometry <i>A. Ruiz Orduna, E. Husby, C.T. Yang, D. Ghosh and F. Beaudry</i>	1709
Identification of novel peptides for horse meat speciation in highly processed foodstuffs <i>A.J. Claydon, H.H. Grundy, A.J. Charlton and M.R. Romero</i>	1718
Detection by coupled LC-photodiode array detection and high-resolution Orbitrap MS of dimethyl and diethyl yellow dyes used illegally in processed soymilk curd <i>M. Fang, C.-F. Tsai, C.-H. Kuo and H.-F. Cheng</i>	1730
Application of Orbitrap-mass spectrometry to differentiate isomeric sildenafil- and thiosildenafil-like analogues used for the adulteration of dietary supplements <i>C.-L. Kee, X. Ge and M.-Y. Low</i>	1737
Development of an ultra-high-performance liquid chromatography coupled to high-resolution quadrupole-Orbitrap mass spectrometry method for the rapid detection and confirmation of illegal adulterated sedative-hypnotics in dietary supplements <i>S. Jiang, H. Tan, C. Guo, L. Gong and F. Shi</i>	1749