Journal of AOAC INTERNATIONAL

VOLUME 103, NUMBER 4 JULY/AUGUST 2020

Contents

| Special reports Appendix P: Guidance for Soil Collection, Characterization, and Application for Biothreat Agent | 979 |
|--|----------|
| Detection Method and Site Evaluations | |
| Appendix Q: Recommendations for Developing Molecular Assays for Microbial Pathogen Detection Using Modern In Silico Approaches | |
| John SantaLucia Jr, Shanmuga Sozhamannan, Jason D. Gans, Jeffrey W. Koehler, Ricky Soong, Nancy J. Lin, Gary Xie, Victoria Olson, Kristian Roth, and Linda Beck | 882 |
| Appendix R: Guidelines for Verifying and Documenting the Relationships Between Microbial Cultures | 900 |
| Special Guest Editor Section – Parisi Characterization of Major Phenolic Compounds in Selected Foods from Technological and Health Promotion Viewpoints Salvatore Parisi | † 904 |
| Reuse of Food Waste and Wastewater as a Source of Polyphenolic Compounds to Use as Food Additives Marcella Barbera | 906 |
| Phenols, Flavors, and the Mediterranean Diet Manel Issaoui, Amélia Martins Delgado, Giorgia Caruso, Maria Micali, Marcella Barbera, Hager Atrous, Amira Ouslati, and Nadia Chammem | 915 |
| Herbs and Medicinal Plants in Jordan Moawiya A. Haddad, Hanee Dmour, Ja'far M. Al-Khazaleh, Maher Obeidat, Amal Al-Abbadi, Ahmad N. Al-Shadaideh, Mohammad S. Al-mazra'awi, Mohamad A. Shatnawi, and Candela Iommi | 925 |
| Phenolics in Mediterranean and Middle East Important Fruits Moawiya A. Haddad, Jafar El-Qudah, Saeid Abu-Romman, Maher Obeidat, Candela Iommi, and Da'san M. M. Jaradat | 930 |
| Phenolic Substances in Foods and Anticarcinogenic Properties: A Public Health Perspective Pasqualina Laganà, Maria Anna Coniglio, Marco Fiorino, Amélia Martins Delgado, Nadia Chammen, Manel Issaoui, Maria E. Gambuzza, Candela Iommi, Luca Soraci, Moawiya A. Haddad, and Santi Delia | 935 |
| Animal food, pet food, and plant nutrient methods Development and Validation of a Method for Direct Analysis of Aflatoxins in Animal Feeds by Ultra-High-Performance Liquid Chromatography with Fluorescence Detection Anup Kumar, Manisha Dhanshetty, and Kaushik Banerjee | 940 |
| Drug formulations Validated Chromatographic and Spectrofluorimetric Methods for Analysis of Silodosin: A Comparative Study with Application of RP-HPLC in the Kinetic Investigation of Silodosin Degradation | |
| Shereen A. Boltia, Mohammed Abdelkawy, Taghreed A. Mohamed, and Nahla N. Mostafa | 946 |

| | RP-HPLC Method for the Simultaneous Determination of a Quaternary Mixture of Propyphenazone, Flavoxate HCl and Two of Their Official Impurities with Dissolution Profiling of Their Tablets Nariman A. El-Ragehy, Nesrin K. Ramadan, Mona T. Ragab, and Badr A. El-Zeany | . 958 |
|---|--|--------|
| | Development and Validation of RP-HPLC and an Ecofriendly HPTLC Method for Simultaneous Determination of Felodipine and Metoprolol Succinate, and their Major Metabolites in Human Spiked Plasma | |
| | Aml A. Emam, Ibrahim A. Naguib, Eman S. Hassan, and Eglal A. Abdelaleem | 966 |
| | Three Spectrophotometric Methods for Quantitative Analysis of Duloxetine in Presence of its Toxic Impurity: 1-Naphthol Ibrahim A. Naguib, Nessreen S. Abdelhamid, Basma H. Anwar, and Maimana A. Magdy | 972 |
| | Validated Stability Indicating Chromatographic Methods for Quantification of Imidocarb Dipropionate; Application for the Determination of Its Residues in Bovine Meat and Milk Samples Ghada AbdElHamid Sedik, Doha Mohamed Naguib, Fahima Morsy, and Hala Elsayed Zaazaa | |
| | A Novel Ionic Liquid-Based Liquid-Liquid Microextraction Combined with High Performance Liquid Chromatography for Simultaneous Determination of Eight Vitamin E Isomers in Human Serum Shuo Yin, Yi Yang, Jing Zhang, Yongxin Li, Ling Wu, and Chengjun Sun | 989 |
| | | צספ |
| | Environmental chemical contaminants Review of New Trends in the Analysis of Allergenic Residues in Foods and Cosmetic Products Tomasz Tuzimski and Anna Petruczynik | 997 |
| | Comparison of DAD and FLD Detection for Identification of Selected Bisphenols in Human Breast Milk Samples and Their Quantitative Analysis by LC-MS/MS Tomasz Tuzimski, Szymon Szubartowski, Renata Gadzała-Kopciuch, Andrzej Miturski, Monika Wójtowicz-Marzec, Wojciech Kwaśniewski, and Bogusław Buszewski | 1029 |
| | Food chemical contaminants Determination of Chloramphenicol and Nitrofuran Metabolites in Gobia, Groaker, and Shrimp Using Microwave-Assisted Derivatization, Automated SPE, and LC-MS/MS–Results from a U.S. Food and Drug Administration Level Three Inter-Laboratory Study Brian T. Veach | 1043 |
| | Evaluation of Automated Sample Preparation for Mycotoxin Analysis in Foods | |
| | Kai Zhang | 1052 |
| | Human nutrient methods Simultaneous Determination of Total Vitamins B ₁ , B ₂ , B ₃ , and B ₆ in Infant Formula and Related Nutritionals by Enzymatic Digestion and LC-MS/MS—A Multi-Laboratory Testing Study Final Action: AOAC Method 2015.14 Sean McClure | 1060 |
| | | 1060 |
| (| Validation of a Method for Quantification of Lutein in Spinach Using High-Performance Liquid Chromatography: Interlaboratory Study Fakefumi Sonoda, Yusuke Hiejima, Tomohiro Koiwa, Masahiro Asano, Eiichi Kotake, and Akemi Yasui | 1073 |
| | Microbiological methods | |
| | Soleris® Enterobacteriaceae for the Detection of Enterobacteriaceae in Select Foods: AOAC Performance Tested Method SM 121901 | |
| 5 | Susan Alles, Brooke Roman, Gail Betts, Suzanne Jordan, Linda Everis, Carolyn Montei, Preetha Biswas, Mark Mozola, and Robert Donofrio | 1081 |
| - | / y y | 3.003. |

| Validation Study of LuciPac TM A3 Surface for Hygiene Monitoring through Detection of ATP, A and AMP from Stainless Steel Surfaces: AOAC Performance Tested Method SM 051901 Mikio Bakke, Kenta Sakurai, Natsumi Tanaka, Wataru Saito, and Kazunori Nishimoto | | 1090 |
|--|----------|--------|
| Interpretation and Implications of Lognormal Linear Regression Used for Bacterial Enumeration and Gao, Jennifer Fischer-Jenssen, Charles Wroblewski, and Perry Martos | on | 1105 |
| Validation of the Reveal® 3-D for Peanut Lateral Flow Test: AOAC Performance Tested Method ^{SA} | | |
| Quynh-Nhi Le, Alexis Vance, Nawal Bakir, Dave Almy, Emily Slenk, Brooke Roman, Nicole Klass, Benjamin Bastin, and Robert Donofrio | | 1112 |
| CompactDry "Nissui" ETC for Enumeration of Enterococci in a Variety of Foods: AOAC Performance Method 111902 Shingo Mizuochi | | 1119 |
| Comparison of Different Culture Methods for the Detection of Bacillus cereus Group in Cosme Nadine Yossa, Son T. Hoang, Travis Canida, Rebecca Bell, Sandra Tallent, Eric Brown, and Thomas Hammack | | 1129 |
| Natural products Single-Laboratory Validation Study of a Proton NMR Method for the Determination of L-Argi- L-Citrulline, and Taurine Contents in Dietary Supplements Isaac Lee, Jennie Vo, Quanyin Gao, Piyush Purohit, Veronica Zarraga, Silva Babajanian, Peter Chang, Gary Swanson | and | |
| Chemical Comparison of Ophiopogonis radix and Liriopes radix Based on Quantitative Analysis Multiple Components by HPLC Coupled with Electrospray Ionization Tandem Triple Quadrum Mass Spectrometry Heng Luo, Liang-Shan Ming, Tian-Tian Tong, Yan Tang, Jun Yang, Li Shen, Hongmei Cui, Andong Yang, and Hao Huang | | 1148 |
| Single-Laboratory Validation of UHPLC-MS/MS Assays for Red Clover Isoflavones in Human and Dietary Supplements Ruth N. Muchiri and Richard B. van Breemen | | |
| Special reports Chromatographic Methods for the Determination of Aminexil, Pyridoxine, and Niacinamide Novel Cosmetic Hair Preparation Mamdouh R. Rezk, Hebatailah M. Essam, Enas A. Amer, and Dina M. S. Youssif | | 1167 |
| Study of an Evaluation Program for Food Safety GB Standards Methods and Its Use for Standardization Na Su, Chengzhu Liang, Ping Jing, Lei Bao, and Jing Xiao | ,,,,,,,, | . 1173 |
| Veterinary drug residues A Green HPLC Method for Determination of Nine Sulfonamides in Milk and Beef, and Its Greenness Assessment with Analytical Eco-Scale and Greenness Profile Xiaoyun Duan, Xiaofeng Liu, Yue Dong, Jing Yang, Jing Zhang, Shujuan He, Fatang Yang, Zhen War Yuming Dong | ıg, and | . 1181 |