

JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH

Part B—Pesticides, Food Contaminants, and Agricultural Wastes

Volume 48, Issue 4, 2013

ARTICLES

- Time dependent sorption behavior of dinotefuran, imidacloprid and thiamethoxam** 237
Sudarshan T. Kurwadkar, Dustan Dewinne, Remington Wheat, Donald G. McGahan,
and Forrest L. Mitchell
- Organochlorine pesticides and polychlorinated biphenyls in Korean human milk: Contamination levels
and infant risk assessment** 243
Dojung Kim, Heui-Y. Ryu, Jun H. Lee, Jin H. Lee, Young J. Lee, Hyun-K. Kim, Dong D. Jang,
Hyung S. Kim, and Hae-S. Yoon
- Photochemical nitro-nitrite rearrangement in methyl parathion decay under tropical conditions** 251
Thiago M. R. Araújo, Maria C. Canela, and Paulo C. M. L. Miranda
- Diazinon residues and degradation kinetics for grapes under field conditions** 260
Ehssan Torabi and Khalil Talebi
- Degradation behaviour of pyrazosulfuron-ethyl in water as affected by pH** 266
Shashi B. Singh and Neera Singh
- Insecticides biomarker responses on a freshwater fish *Corydoras paleatus* (Pisces: Callichthyidae)** 272
Izonete Cristina Guiloski, Stéfani Cibele Rossi, Cesar Aparecido da Silva,
and Helena Cristina Silva de Assis
- Measurement of the pesticide methomyl by modified quartz crystal nanobalance with molecularly
imprinted polymer** 278
A. Mirmohseni and M. Rastgouy Houjaghan
- Effects of sprout cutting plus systemic herbicide application on the initial growth of giant reed** 285
M. I. Santín-Montanyá, J. Jiménez, L. Ocaña, and F. J. Sánchez
- Tetracycline and 4-epitetracycline modified the *in vitro* catabolic activity and structure of a sediment
microbial community from a tropical tilapia farm idiosyncratically** 291
Fabio Granados-Chinchilla, María Arias-Andrés, and César Rodríguez
- 2-Undecanone and 2-tridecanone in field-grown onion** 302
George F. Antonious
- Accumulation of elements by edible mushroom species II. A comparison of aluminium, barium and
nutritional element contents** 308
Mirosław Mleczek, Marek Siwulski, Kinga Stuper-Szablewska, Krzysztof Sobieralski,
Zuzanna Magdziak, and Piotr Goliński

ARTICLES

- Degradation of rizazole in water–sediment systems** 319
Changpeng Zhang, Hua Zhao, Lifeng Ping, Xiaoming Cai, Min Wu, Hongmei He, Chunrong Zhang, Yahong Zhu, and Zhen Li
- Persistence of herbicide fenoxaprop ethyl and its acid metabolite in soil and wheat crop under Indian tropical conditions** 324
Shashi B. Singh, Tapas K. Das, and Gita Kulshrestha
- Determination of etoxazole residues in fruits and vegetables by SPE clean-up and HPLC-DAD** 331
Farak Malhat, Hany Badawy, Dalia Barakat, and Ayman Saber
- Selective separation of deltamethrin by molecularly imprinted polymers using a β -cyclodextrin derivative as the functional monomer** 336
Zhi F. Xu, Ge Wen, Dai Z. Kuang, Fu X. Zhang, and Si P. Tang
- Ecological risk of pesticide residues in the British Columbia environment: 1973–2012** 344
Michael T. Wan
- Analytical methods and validation for determining trace elements in red wines** 364
Susana Santos, Nuno Lapa, Andreia Alves, João Morais, and Benilde Mendes
- Increased virulence of transgenic *Trichoderma koningi* strains to the Asian corn borer larvae by overexpressing heterologous *chit42* gene with chitin-binding domains** 376
Yingying Li, Kehe Fu, Shigang Gao, Qiong Wu, Lili Fan, Yaqian Li, and Jie Chen
- Influences of adding easily degradable organic waste on the minimization and humification of organic matter during straw composting** 384
Yi N. Shan, Jin H. Chen, Lei Wang, Fan Li, Xiao H. Fu, and Yi Q. Le
- Short-term impact of olive mill wastewater (OMWW) applications on the physico-chemical and microbiological soil properties of an olive grove in Argentina** 393
Pierluigi Pierantozzi, Mariela Torres, Romina Verdenelli, María Basanta, Damián M. Maestri, and José M. Meriles
- Bioavailability of heavy metals in fresh water *Tilapia nilotica* (*Oreochromis niloticus* Linnaeus, 1758): Potential risk to fishermen and consumers** 402
Manal M. El-Sadaawy, Ghada F. El-Said, and Neama A. Sallam
- Concentrations of cadmium, copper and zinc in tissues of mallard and coot from southern Poland** 410
Lukasz J. Binkowski, Robert M. Stawarz, and Marian Zakrzewski

ARTICLES

- Review of advances in the thin layer chromatography of pesticides: 2010–2012** 417
Joseph Sherma

| | |
|---|-----|
| Evaluation of sorption-desorption processes for metalaxyl in natural and artificial soils Premasis Sukul, Marc Lamshöft, Sebastian Zühlke, and Michael Spiteller | 431 |
| Sublethal contaminant exposure alters behavior in a common insect: Important implications for trophic transfer Lorin A. Neuman-Lee, Gareth R. Hopkins, Edmund D. Brodie, Jr., and Susannah S. French | 442 |
| Optimization of methyl parathion biodegradation and detoxification by cells in suspension or immobilized on tezontle expressing the <i>opd</i> gene Mohamed Abdel-Razek Saleh Abdel-Razek, Jorge L. Folch-Mallol, Lucía Perezgasga-Ciscomani, Enrique Sánchez-Salinas, Maria L. Castrejón-Godínez, and M. Laura Ortiz-Hernández | 449 |
| Enhanced biodegradation of endosulfan and its major metabolite endosulfate by a biosurfactant producing bacterium Greeshma Odukkathil and Namasivayam Vasudevan | 462 |
| Simultaneous detection and degradation patterns of kresoxim-methyl and trifloxystrobin residues in citrus fruits by HPLC combined with QuEChERS Jie Zhu, Xian J. Dai, Jian J. Fang, and Hua M. Zhu | 470 |
| Kinetics study of fermentative hydrogen production from liquid swine manure supplemented with glucose under controlled pH Xiao Wu, Jun Zhu, and Curtis Miller | 477 |
| Synthesis of novel hapten and production of generic monoclonal antibody for immunoassay of penicillins residues in milk Sai N. Jiao, Ping Wang, Guo X. Zhao, Huui C. Zhang, Jing Liu, and Jian P. Wang | 486 |
| Antibiotic resistance in bacteria isolated from freshwater aquacultures and prediction of the persistence and toxicity of antimicrobials in the aquatic environment Seung J. Lim, Eunhee Jang, Sang-Hun Lee, Byeong-Hak Yoo, Sun-Kyoung Kim, and Tak-Hyun Kim | 495 |
| Response of the soil microbial community to imazethapyr application in a soybean field Jun Xu, Liqun Guo, Fengshou Dong, Xingang Liu, Xiaohu Wu, Yu Sheng, Ying Zhang, and Yongquan Zheng | 505 |
| Acridine orange as an alternative to optical density to study growth kinetics of <i>Lactobacillus bulgaricus</i> ATCC 7517 Dolar Pak, Ok Kyung Koo, Robert S. Story, Corliss A. O'Bryan, Philip G. Crandall, Sun-Ok Lee, and Steven C. Ricke | 512 |
| Cadinene sesquiterpenes from <i>Eupatorium adenophorum</i> and their antifungal activity Aditi Kundu, Supradip Saha, Suresh Walia, Najam A. Shakil, Jitendra Kumar, and Kannepalli Annapurna | 516 |