

Volume 91 Number 3 September 2013

Polybrominated Diphenyl Ethers (PBDES) and Polychlorinated Biphenyls (PCBS) in Mussels and Two Fish Species from the Estuary of the Guanabara Bay, Southeastern Brazil

S.F.G. da Silva · I.M.R.A. Brüning · R.C. Montone · S. Taniguchi · M.J. Cascaes · P.S. Dias · R.C. Lavandier · R.A. Hauser-Davis · I. Moreira 261

Mercury Contamination of Fish and Shrimp Samples Available in Markets of Mashhad, Iran

M. Vahabzadeh · M. Balali-Mood · S.-R. Mousavi · V. Moradi · M. Mokhtari · B. Riahi-Zanjani 267

Mercury Concentrations in Commercial Fish Species of Lake Phewa, Nepal

C.M. Sharma · S. Basnet · S. Kang · B.O. Rosseland · Q. Zhang · K. Pan · R. Borgstrøm · Q. Li · W.-X. Wang · J. Huang · H.-C. Teien · S. Sharma 272

Influence of Fishing Technique on Organochlorine Pesticide Accumulation in Fish and its Possible Human Health Risk in the Republic of Bénin

E. Yehouenou A. Pazou · J.P. Azehou · T. Ahoyo · P.E. Aléodjrodo · N.M. van Straalen · C.A.M. van Gestel 278

Determination of Selected Endocrine Disrupting Chemicals in Lake Van, Turkey

A.R. Oğuz · E. Kankaya 283

Chlorpyrifos-Treated Crops in the Vicinity of Surface Water Contamination in the San Joaquin Valley, California, USA

K. Starmer · K.S. Goh 287

Accumulation of Trace Metals in Two Commercially Important Shrimp Species from Camamu Bay, Northeastern Brazil

V.H. Miguez · M. de Almeida Bezerra · A.K. de Francisco · M.C. Guerrazzi · P.R.A. de Mello Affonso 292

Accumulation and Tolerance Characteristics of Zinc in *Agropyron cristatum* Plants Exposed to Zinc-Contaminated Soil

L. Meng · Q. Guo · P. Mao · X. Tian 298

Avian Feathers as Bioindicators of the Exposure to Heavy Metal Contamination of Food

M. Markowski · A. Kaliński · J. Skwarska · J. Wawrzyniak · M. Bańbura · J. Markowski · P. Zieliński · J. Bańbura 302

Phytoremediation Potential of *Solanum nigrum* L. Under Different Cultivation Protocols

G. Qu · Y. Tong · P. Gao · Z. Zhao · X. Song · P. Ji 306

EDTA Enhanced Phytoremediation of Copper Contaminated Soils Using Chickpea (*Cicer arietinum* L.)

M.S. Kambhampati · V.T. Vu 310

Degradation of Selected Organophosphate Pesticides in Wastewater by Dielectric Barrier Discharge Plasma

Y. Hu · Y. Bai · H. Yu · C. Zhang · J. Chen 314

Anaerobic Treatability of Wastewater Contaminated with Propylene Glycol

N. Sezgin · G.U. Tonuk 320

Assessment of In Vivo Estrogenic Response and Identification of Environmental Estrogens in Influent and Effluent from a Sewage Treatment Plant
W. Song · Z. Wang · C. Lian 324

The Toxicity of Selected Trace Metals to *Lecane inermis* Rotifers Isolated from Activated Sludge
B. Klimek · E. Fiałkowska · W. Kocerba-Soroka · J. Fyda · M. Sobczyk · A. Pajdak-Stós 330

Sub-acute Deltamethrin and Fluoride Toxicity Induced Hepatic Oxidative Stress and Biochemical Alterations in Rats
N. Dubey · A.M. Khan · R. Raina 334

Chromium Phytotoxicity in Radish (*Raphanus sativus*): Effects on Metabolism and Nutrient Uptake
K.K. Tiwari · N.K. Singh · U.N. Rai 339

Establishing Reference Values of Spectral Reflectance Indices in Transplants of *Pseudoscleropodium purum* for Potential Use in Atmospheric Biomonitoring
Z. Varela · J.R. Aboal · A. Rey-Asensio · A. Carballeira · J.A. Fernández 345

Concentration, Origin and Health Hazard from Fine Particle-Bound PAH at Three Characteristic Sites in Southern Poland
W. Rogula-Kozłowska · B. Kozielska · K. Klejnowski 349

Effect of Moisture, Organic Matter, Microbial Population and Fortification Level on Dissipation of Pyraclostrobin in Soils
S.N. Reddy · S. Gupta · V.T. Gajbhiye 356

Adsorption of Methylene Blue Dye from Aqueous Solutions Using *Eichhornia crassipes*
W.C. Wanyonyi · J.M. Onyari · P.M. Shiundu 362