

**A Comparison of Recombinant Receptor-Reporter Gene Bioassays and a Total Estrogen Enzyme Linked Immunosorbent Assay for the Rapid Screening of Estrogenic Activity in Natural and Waste Waters**

M. Allinson · F. Shiraishi · G. Allinson 461

**Presence and Determination of Manure-borne Estrogens from Dairy and Beef Cattle Feeding Operations in Northeast China**

H. Wei · L. Yan-xia · Y. Ming · L. Wei 465

**Identification of Triclosan Intermediates Produced by Oxidative Degradation Using TiO<sub>2</sub> in Pure Water and Their Endocrine Disrupting Activities**

K. Sankoda · H. Matsuo · M. Ito · K. Nomiya · K. Arizono · R. Shinohara 470

**Contrasting Sensitivities to Fluoride Toxicity between Juveniles and Adults of the Aquatic Snail *Potamopyrgus antipodarum* (Hydrobiidae, Mollusca)**

A. Aguirre-Sierra · Á. Alonso · J.A. Camargo 476

**Effects of Fluidized Gas Desulfurization (FGD) Gypsum on Non-Target Freshwater and Sediment Dwelling Organisms**

S.L. Greenway · M.T. Moore · J.L. Farris · F.E. Rhoton 480

**Multielemental Analysis of Migori (Southwest, Kenya) Artisanal Gold Mine Ores and Sediments by EDX-ray Fluorescence Technique: Implications of Occupational Exposure and Environmental Impact**

O.B. Odumo · A.O. Mustapha · J.P. Patel · H.K. Angeyo 484

**Elemental Contribution to the Mass of PM<sub>2.5</sub> in Guadalajara City, Mexico**

H. Saldarriaga-Noreña · L. Hernández-Mena · M. Murillo-Tovar · A. López-López · M. Ramírez-Muñiz 490

**Assessment of Atmospheric Metal Pollution in the Urban Area of Mexico City, Using *Ficus benjamina* as Biomonitor**

J. Guzmán-Morales · O. Morton-Bermea · E. Hernández-Álvarez · M.T. Rodríguez-Salazar · M.E. García-Arreola · V. Tapia-Cruz 495

**Arsenic in Air and Soil in the Vicinity of the Central Gas Station Molve, Croatia**

S. Žužul · Ž. Zgorelec · F. Bašić · I. Kisić · M. Mesić · V. Vađić · T. Orct 501

**Pesticide Residues in some Commodities: Dietary Risk for Children**

A.B. Gebara · C.H.P. Ciscato · S.H. Monteiro · G.S. Souza 506

**Mercury and Selenium Content in *Otolithes ruber* and *Psettodes erumei* from Khuzestan Shore, Iran**

M. Rezayi · A.S. Esmaeli · T. Valinasab 511

**Mercury in the Oriental Sole (*Brachirus orientalis*) Near a Chlor-Alkali Plant in the Persian Gulf, Iran**

M. Haghghat · M. Savabieasfahani · Y. Nikpour · H. Pashazanoosi 515

**Liver and Breast Feather Mercury in Piscivorous Birds of the Caspian Sea: Monitoring Changes**

F. Rajaei · A. Esmaili Sari · M. Savabieasfahani · N. Bahramifar · M. Ghasempouri 521

## **Contents continued**

### **Evolution of Bioavailable Copper and Major Soil Cations in Contaminated Soils Treated with Ethylenediaminedisuccinate: A Two-Year Experiment**

M. Komárek · Z. Michálková · J. Száková ·

A. Vaněk · T. Grygar 525

### **Monitoring of Organotin Pollution in Bizerta Channel (Northern Tunisia): Temporal Trend from 2002 to 2010**

Y. Lahbib · S. Abidli · P.R. González · J.I.G. Alonso ·

N. Trigui El Menif 531

### **Levels and Profiles of Unintentionally Produced Persistent Organic Pollutants in Surface Soils from Shanxi Province, China**

G.R. Liu · M.W. Cai · M.H. Zheng · Z.Q. Nie ·

W.B. Liu · P. Lv · G.J. Su · L.R. Gao · K. Xiao 535

### **Polychlorinated Biphenyls in Sediments from Ghar El Melh lagoon, Tunisia**

W.B. Ameer · S. Trabelsi · B. EL Bedoui ·

M.R. Driss 539

### **Persistence of Propineb (Polymeric Zinc 1, 2-Propylene Bisdithiocarbamate) Fungicide in Onion and Cropped Soil**

N.S. Parihar · B.N. Sharma 545

### **Photodegradation of Imidacloprid and Fipronil in Rice-Paddy Water**

D.Q. Thuyet · H. Watanabe · K. Yamazaki · K. Takagi 548

### **Simple and Sensitive Method for Determination of Imidacloprid Residue in Soil and Water by HPLC**

P. Samnani · K. Vishwakarma · S.Y. Pandey 554