

**Lead Bone Toxicity in Growing Rats Exposed to Chronic Intermittent Hypoxia**

M.I. Conti · C. Bozzini · G.B. Facorro · C.M. Lee ·  
P.M. Mandalunis · L.L. Piehl · A.E. Piñeiro · A.R. Terrizzi ·  
M.P. Martínez **693**

**Effect of Sulfhydryl Modification on Rat Kidney Basolateral Plasma Membrane Transport Function**

R.A. Ansari · S.A.A. Rizvi · K. Husain · A. Lymeropoulos ·  
W.O. Berndt **699**

**Stress-Response Protein Expression and DAF-16 Translocation were Induced in Tributyltin-Exposed *Caenorhabditis elegans***  
Y. Wang · F. Jian · J. Wu · S. Wang **704**

**Hematopathology in Sprague-Dawley Rats Following Sub-Chronic Topical Application of Para-Phenylenediamine**  
M.Kr. Bharali · K. Dutta **712**

**Sodium Sulfite Enhances Rhinovirus-Induced Chemokine Production in Airway Epithelial Cells**

Y.H. Chun · H.S. Kim · H. Lee · S. Won · J. Yoon · H.H. Kim ·  
J.T. Kim · J.S. Lee **718**

**Effects of Paclobutrazol Exposure on Antioxidant Defense System in *Sebastiscus marmoratus***

J. Li · L. Sun · Z. Zuo · M. Chen · C. Wang **723**

**Growth Study and Hydrocarbonoclastic Potential of Microorganisms Isolated from Aviation Fuel Spill Site in Ibewo, Nigeria**

C.U. Etuk · R.C. John · U.E. Ekong · M.M. Akpan **727**

**Fast Genomic Biomarker Responses of Retene and Pyrene in Liver of Juvenile Rainbow Trout, *Oncorhynchus mykiss***  
K. Räsänen · T. Arsiola · A. Oikari **733**

**An Improved AhR Reporter Gene Assay for Analyzing Dioxins in Soil, Sediment and Fish**

H.-R. Chao · Y.-F. Wang · Y.-N. Wang · D.-Y. Lin · Y.-Y. Gou ·  
C.-Y. Chen · K.-C. Chen · W.-K. Wu · B.-A. Chiang ·  
Y.-T. Huang · L.-T. Hsieh · K.-J.C. Yeh · T.-C. Tsou **739**

**Development and Validation of an Analytical Method to Determine Fipronil and its Degradation Products in Soil Samples**

R. Flores-Ramírez · L.E. Batres-Esquível · F. Díaz-Barriga Martínez ·  
I. López-Acosta · M.D. Ortiz-Pérez **744**

**Copper Losses in Surface Runoff from Flatwoods Citrus Production Areas**

P.C. Wilson · B. Boman · J.P. Albano **751**

**Total Mercury in Yellow Knights (*Tricholoma equestre*) Mushrooms and Beneath Soils**  
D. Maćkiewicz · J. Falandysz **755**

**Mercury Bio-Concentration by Puffballs (*Lycoperdon perlatum*) and Evaluation of Dietary Intake Risks**

J. Falandysz · I.C. Nnorom · G. Jarzyńska · D. Romińska ·  
K. Damps **759**

**Chemical Speciation of Metals in Surface Sediments from Small Urban and Agricultural Rivers**

Y. Igari · M. Ohno · T. Tamura · K. Suzuki · T. Kose ·  
K. Kawata **764**

**Distribution of Metals in Surface Sediments from a Small River Flowing Through Urban and Agricultural Areas**

Y. Igari · T. Tamura · M. Ohno · K. Suzuki · T. Kose ·  
K. Kawata **770**

**Concentration and Spatial Distribution of Lead in Soil Used for Ammunition Destruction**

J. do Nascimento Guedes · N.M.B. do Amaral Sobrinho ·  
M.B. Ceddia · A.L.O. Vilella · A. Tolón-Becerra ·  
X.B. Lastra-Bravo **775**

**Cadmium and Lead Levels Along the Estuarine Ecosystem of Tigre River-San Andres Lagoon, Tamaulipas, Mexico**

M.L. Vázquez-Sauceda · R. Pérez-Castañeda ·  
J.G. Sánchez-Martínez · G. Aguirre-Guzmán **782**

- Pugilina morio L., a New Imposex Exhibitor from South American Estuarine Environments: Approach for a Non-Lethal Method to Evaluate Imposex**  
D. de Azevedo · C. de Almeida Rocha-Barreira · H. Matthews-Cascon · I.B. Castro **786**
- Appraisal of Heavy Metals in Groundwater in Chennai City Using a HPI Model**  
P.J. Sajil Kumar · P. Davis Delson · P. Thomas Babu **793**
- Bioaccumulation and Distribution of Metals in Sediments and Avicenna marina Tissues in the Hara Biosphere Reserve, Iran**  
M. Nowrouzi · A. Pourkhabbaz · M. Rezaei **799**
- Biomonitoring of Metals in Ganga Water at Different Ghats of Haridwar: Implications of Constructed Wetland for Sewage Detoxification**  
U.N. Rai · D. Prasad · S. Verma · A.K. Upadhyay · N.K. Singh **805**
- Residues of Organochlorine Pesticides in Water and Suspended Particulate Matter from Xiangshan Bay, East China Sea**  
W. Li · H. Yang · Q. Gao · H. Pan · H. Yang **811**
- Chemical and Bioassay Analysis of Estrogen Pollution in the Surface Water of the Tiaoxi River, the Source River for Taihu Lake**  
X. Tang · N. Ullah · C. Yu · Z. Qin · R. Huang · X. Zhu · C. Shen · Y. Chen **816**
- Cadmium and Lead Concentrations in the Fish Tissues of a Coastal Lagoon System of the SE Gulf of California**  
J.M. Quintero-Alvarez · M.F. Soto-Jiménez · F. Amezua · D. Voltolina · M.G. Frías-Espericueta **820**
- Effect of Bauxite Mineralized Soil on Residual Metal Levels in Some Post Harvest Food Crops in Jamaica**  
V. Wright · S. Jones · E.O. Omoruyi **824**
- Contamination of Metals in Tissues of *Ctenopharyngodon idella* and *Perca fluviatilis*, from Anzali Wetland, Iran**  
R. Baramaki Yazdi · M. Ebrahimpour · B. Mansouri · M.R. Rezaei · H. Babaei **831**
- Mercury Concentrations in Muscle and Liver Tissue of Fish from Marshes Along the Magdalena River, Colombia**  
S. Alvarez · A.S. Kolok · L.F. Jimenez · C. Granados · J.A. Palacio **836**
- Mercury in Different Feather Types from Great Cormorants (*Phalacrocorax carbo* L.) Inhabiting the Vistula Lagoon Ecosystem in Poland**  
M. Misztal-Szkudlińska · P. Szefer · P. Konieczka · J. Namieśnik **841**
- Determination of Cyantraniliprole and its Major Metabolite Residues in Pakchoi and Soil Using Ultra-Performance Liquid Chromatography-Tandem Mass Spectrometry**  
J. Sun · N. Feng · C. Tang · D. Qin **845**
- Determination and Dynamics of Ethylicin Residues in Cotton-Field Ecosystem**  
Z. Chen · H. Zhang · R. Ding · W. Wang · W. Wang · H. Li **853**
- Investigation of Fluoroquinolones, Sulfonamides and Macrolides in Long-Term Wastewater Irrigation Soil in Tianjin, China**  
Y. Shi · L. Gao · W. Li · J. Liu · Y. Cai **857**
- Residue Dynamics of Spirotetramat and Imidacloprid in/on Mango and Soil**  
S. Mohapatra · M. Deepa · S. Lekha · B. Nethravathi · B. Radhika · S. Gourishanker **862**
- Comparison of Greenhouse and Field Degradation Behaviour of Isoprocarb, Hexaflumuron and Difenoconazole in *Perilla frutescens***  
C. Sun · H. Zhang · T. Tang · M. Qian · Y. Yuan · Z. Zhang **868**
- Dissipation of Penconazole in Tomatoes and Soil**  
S.H. Abd-Alrahman · N.S. Ahmed **873**
- Iprodione Residues and Dissipation Rates in Tobacco Leaves and Soil**  
X. Wang · G. Xu · F. Wang · H. Sun · Y. Li **877**
- Organochlorine Pesticide Residues in Bovine Milk from Organic Farms in Chiapas, Mexico**  
R. Gutiérrez · J.L. Ruíz · R. Ortiz · S. Vega · B. Schettino · A. Yamazaki · M. de Lourdes Ramírez **882**
- Application of Solid-Phase Microextraction Method to Determine Bioavailable Fraction of PAH in Hazardous Waste**  
J. Jefimova · N. Irha · R. Mägi · U. Kirso **888**
- Effect of Titanium Dioxide Nanoparticles on Gamma-Ray Treatment of Phenol in Different Matrices: Implications in Toxicity Toward *Daphnia magna***  
S.-W. Kang · S.-B. Shim · J. Yoo · J. Jung **893**
- Assessment of Fine Particulate Matter and Gaseous Pollutants in Workplace Atmosphere of Metallic Industry**  
Ü.A. Şahin · B. Kurutaş **898**
- Effects of Environmental Factors on the Uptake Rates of Dissolved Nitrogen by a Salt-water Green Alga (*Oocystis borgei* Snow)**  
X. Huang · X. Li · Y. Wang · M. Zhou **905**
- Red Fox (*Vulpes vulpes* Linnaeus, 1758) as Biological Indicator for Environmental Pollution in Hungary**  
M. Heltai · G. Markov **910**
- Evaluation of the Sensitivity of Freshwater Organisms Used in Toxicity Tests of Wastewater from Explosives Company**  
E.N. Ribeiro · F.T. da Silva · T.C.B. de Paiva **915**
- Oral Toxicity of Fipronil Insecticide Against the Stingless Bee *Melipona scutellaris* (Latreille, 1811)**  
C.T. Lourenço · S.M. Carvalho · O. Malaspina · R.C.F. Nocelli **921**
- Assessment of the Levels of Polybrominated Diphenyl Ethers in Blood Samples from Guadalajara, Jalisco, Mexico**  
S.T. Orta-Garcia · L.C. León-Moreno · C. González-Vega · G. Dominguez-Cortinas · G. Espinosa-Reyes · I.N. Pérez-Maldonado **925**