

Contents Volume 122

Part A: Risk Assessment and Management

Dechlorination of hexachlorocyclohexanes with alkaline 2-propanol and a palladium catalyst Y. Ukisu and T. Miyadera (Ibaraki, Japan)	1
Remediation of soil contaminated with the heavy metal (Cd ²⁺) C.-C. Lin and H.-L. Lin (Yunlin, Taiwan)	7
Multivariate analysis of selected metals in tannery effluents and related soil S.R. Tariq, M.H. Shah, N. Shaheen, A. Khaliq, S. Manzoor and M. Jaffar (Islamabad, Pakistan)	17
Dust explosion hazard of pulverized fuel carry-over P.R. Amyotte, A. Basu (Nova Scotia, Canada) and F.I. Khan (Newfoundland and Labrador, Canada)	23
Humic substance-enhanced ultrafiltration for removal of cobalt H.-J. Kim (Daejeon, Republic of Korea), K. Baek (Gyeongbuk, Republic of Korea), B.-K. Kim (Seoul, Republic of Korea) and J.-W. Yang (Daejeon, Republic of Korea)	31
Exposure of a liquefied gas container to an external fire P.K. Raj (Burlington, MA, USA)	37
Occurrence and distribution of polycyclic aromatic hydrocarbons in reclaimed water and surface water of Tianjin, China Z. Cao, Y. Wang, Y. Ma, Z. Xu, G. Shi, Y. Zhuang and T. Zhu (Tianjin, China)	51

Discussion

Commentary on recent proposals for classification of dangerous goods for transportation J.C. Jones (Aberdeen, UK)	61
--	----

Part B: Environmental Technologies

Asbestos reclamation at a disused industrial plant, Bagnoli (Naples, Italy) G. Cecchetti, A. Fruttero (Urbino (Pu), Italy) and M.E. Conti (Roma, Italy)	65
Decolourization of aqueous dye solutions by a novel adsorbent: Application of statistical designs and surface plots for the optimization and regression analysis K. Ravikumar, B. Deebika and K. Balu (Chennai, India)	75
Copper leaching from a sandy soil: Mechanism and parameters affecting EDTA extraction L. Di Palma and P. Ferrantelli (Roma, Italy)	85
Electrokinetic removal of caesium from kaolin S.S. Al-Shahrani and E.P.L. Roberts (Manchester, UK)	91
Electrodialytic removal of heavy metals from municipal solid waste incineration fly ash using ammonium citrate as assisting agent A.J. Pedersen, L.M. Ottosen and A. Villumsen (Lyngby, Denmark)	103
Thermolysis of some transition metal nitrate complexes with 1,4-diamino butane ligand G. Singh, C.P. Singh (Gorakhpur, India) and S.M. Mannan (Nagpur, India)	111
Effect of experimentally induced reducing conditions on the mobility of arsenic from a mining soil V. Chatain (Villeurbanne, France), F. Sanchez (Nashville, TN, USA), R. Bayard, P. Moszkowicz and R. Gourdon (Villeurbanne, France)	119
Vitrified metal finishing wastes. II. Thermal and structural characterisation P.A. Bingham, R.J. Hand, S.D. Forder and A. Lavaysierre (Sheffield, UK)	129
Stabilization/solidification of galvanic sludges by asphalt emulsions V. Bednarik, M. Vondruska and M. Koutny (Zlín, Czech Republic)	139
Adsorption of phthalic acid and its esters onto high-area activated carbon-cloth studied by in situ UV-spectroscopy E. Ayranci and E. Bayram (Antalya, Turkey)	147
The operating performance and products distribution of the catalytic oxidation of methyl-isobutyl-ketone over a Pt/ γ -Al ₂ O ₃ catalyst T.-K. Tseng (Tainan, Taiwan), H. Chu, T.-H. Ko and L.-K. Chung (Tainan, Taiwan)	155
Removal of heavy metal ions from aqueous solutions using carbon aerogel as an adsorbent A.K. Meena, G.K. Mishra, P.K. Rai, C. Rajagopal (Delhi, India) and P.N. Nagar (Jaipur, India)	161
Removal of arsenic and humic substances (HSs) by electro-ultrafiltration (EUF) Y.-H. Weng, L.H. Chung-Hsieh, H.-H. Lee, K.-C. Li (Taipei, Taiwan) and C.P. Huang (Newark, DE, USA)	171

Short communication

- Adsorption of copper from aqueous solution on *Brassica cumpestris* (mustard oil cake)
M. Ajmal, R.A.K. Rao and M.A. Khan (Uttar Pradesh, India) 177

- Book reviews* 185

*Special Issue: Pharmaceuticals in the Environment**Foreword*

- G. Lyberatos (Patras, Greece) and R. Andreozzi (Napoli, Italia) 193

A: Occurrence and fate of Pharmaceuticals in the Environment

- Occurrence and fate of pharmaceutically active compounds in the environment, a case study: Høje River in Sweden
D. Bendz (Malmö, Sweden), N.A. Paxéus (Gothenburg, Sweden), T.R. Ginn and F.J. Loge (Davis, CA, USA) 195
- Identification of the pharmaceuticals for human use contaminating the Italian aquatic environment
E. Zuccato (Milan, Italy), S. Castiglioni (Milan, Italy and Varese, Italy) and R. Fanelli (Milan, Italy) 205
- Contribution of effluents from hospitals and private households to the total loads of diclofenac and carbamazepine in municipal sewage effluents—modeling versus measurements
T. Heberer and D. Feldmann (Berlin, Germany) 211
- Electrochemical determination of pharmaceuticals in spiked water samples
A. Ambrosi (Rome, Italy), R. Antiochia (Padova, Italy), L. Campanella, R. Dragone (Rome, Italy) and I. Lavagnini (Padova, Italy) 219

B: Effects of Pharmaceuticals in the Environment

- Application of methods for assessing the geno- and cytotoxicity of Triclosan to *C. ehrenbergii*
C. Ciniglia, C. Cascone, R.L. Giudice, G. Pinto and A. Pollio (Naples, Italy) 227
- Toxicity of the antimicrobial oxytetracycline to soil organisms in a multi-species-soil system (MS-3) and influence of manure co-addition
S. Boleas, C. Alonso, J. Pro, C. Fernández, G. Carbonell and J.V. Tarazona (Madrid, Spain) 233

C: Removal of Pharmaceuticals from Wastewaters

- Antibiotic removal from wastewaters: The ozonation of amoxicillin
R. Andreozzi, M. Canterino, R. Marotta (Napoli, Italy) and N. Paxeus (Goteborg, Sweden) 243
- Adsorption and degradation of enrofloxacin, a veterinary antibiotic on natural zeolite
H.M. Ötker and I. Akmehtmet-Balcioğlu (Istanbul, Turkey) 251
- On the occasional biodegradation of pharmaceuticals in the activated sludge process: The example of the antibiotic sulfamethoxazole
P. Drillia, S.N. Dokianakis, M.S. Fountoulakis, M. Kornaros, K. Stamatelatou and G. Lyberatos (Patras, Greece) 259

- Contents Volume 122* 267