



ELSEVIER

Journal of Hazardous Materials 95 (2002) 339–340

**Journal of
Hazardous
Materials**

www.elsevier.com/locate/jhazmat

Contents Volume 95

Part A: Risk Assessment and Management

Characteristics of polycyclic aromatic hydrocarbons and total suspended particulate in indoor and outdoor atmosphere of a Taiwanese temple

T.-C. Lin, F.-H. Chang, J.-H. Hsieh, H.-R. Chao and M.-R. Chao (Tainan, Taiwan) 1

Effect of air in the thermal decomposition of 50 mass% hydroxylamine/water

L.O. Cisneros, W.J. Rogers and M.S. Mannan (College Station, TX, USA) 13

Part B: Environmental Technologies

A comparative study of the removal of trivalent chromium from aqueous solutions by bentonite and expanded perlite

A. Chakir (Rabat, Morocco), J. Bessiere (villers-les-Nancy, France), K.EL. Kacem and B. Marouf (Rabat, Morocco) 29

Chemical stabilization of MSW incinerator fly ashes

Z. Youcai, S. Lijie and L. Guojian (Shanghai, China) 47

Lab scale experiments for permeable reactive barriers against contaminated groundwater with ammonium and heavy metals using clinoptilolite (01-29B)

J.-B. Park, S.-H. Lee, J.-W. Lee and C.-Y. Lee (Seoul, South Korea) 65

Catalytic oxidation of gaseous reduced sulfur compounds using coal fly ash

J.R. Kastner, K.C. Das and N.D. Melear (Athens, GA, USA) 81

Biodegradation of RDX within soil-water slurries using a combination of differing redox incubation conditions

S. Waisner, L. Hansen, H. Fredrickson, C. Nestler (Vicksburg, MS, USA), M. Zappi (Starkville, MS, USA), S. Banerji and R. Bajpai (Columbia, MO, USA) 91

Physical properties of a soil substitute derived from an aluminum recycling by-product

D. Hermsmeyer (Hannover, Germany), R. Diekmann (Wunstorf, Germany), R.R. van der Ploeg (Hannover, Germany) and R. Horton (Ames, IA, USA) 107

Effects of pure and dyed PCE on physical and interfacial properties of remedial solutions

S.-W. Jeong, A. Lynn Wood and T.R. Lee (Ada, OK, USA) 125

The role of sawdust in the removal of unwanted materials from water

A. Shukla, Y.-H. Zhang (Houston, TX, USA), P. Dubey (Ujjain, India), J.L. Margrave (Houston, TX, USA) and S.S. Shukla (Beaumont, TX, USA) 137

Landfill leachate treatment by a coagulation–photooxidation process

Z.-p. Wang, Z. Zhang, Y.-j. Lin, N.-s. Deng, T. Tao and K. Zhuo (Wuhan, PR China) 153

The photocatalytic degradation of trichloroethane by chemical vapor deposition method prepared titanium dioxide catalyst

K.-H. Wang (Taipei, Taiwan), Y.-H. Hsieh, P.-W. Chao and C.-Y. Cgang (Taichung, Taiwan) 161

Photodegradation of 1-nitropyrene in solution and in the adsorbed state

A. Muck, P. Kubát (Praha, Czech Republic), A. Oliveira, L.F.V. Ferreira (Lisboa, Portugal), J. Cvačka (Prague, Czech Republic), S. Civiš, Z. Zelinger, J. Barek and J. Zima (Praha, Czech Republic) 175

Evaluation of assisting agents for electrodialytic removal of Cd, Pb, Zn, Cu and Cr from MSWI fly ash

A.J. Pedersen (Lyngby, Denmark) 185

Simultaneous removal of ethyl acetate and toluene in air streams using compost-based biofilters

Y. Liu, X. Quan, Y. Sun, J. Chen, D. Xue (Dalian, PR China) and J.S. Chung (Pohang, South Korea)	199
Electrochemical treatment in relation to pH of domestic wastewater using Ti/Pt electrodes	
A.G. Vlyssides, P.K. Karlis, N. Rori and A.A. Zorbas (Athens, Greece)	215
<i>Book reviews</i>	227
 Part A: Risk Assessment and Management	
Numerical simulation of turbulent gas flames in tubes	
E. Salzano, F.S. Marra, G. Russo (Napoli, Italy) and J.H.S. Lee (Montreal, Canada).	233
 Part B: Environmental Technologies	
Comparative study of adsorption properties of Turkish fly ashes. I. The case of nickel(II), copper(II) and zinc(II)	
B. Bayat (Balcali, Turkey)	251
Comparative study of adsorption properties of Turkish fly ashes. II. The case of chromium (VI) and cadmium (II)	
B. Bayat (Adana, Turkey)	275
Reaction characteristics of Ca(OH) ₂ , HCl and SO ₂ at low temperature in a spray dryer integrated with a fabric filter	
Z.-S. Liu, M.-Y. Wey and C.-L. Lin (Taichung, Taiwan)	291
Factors affecting air sparging remediation systems using field data and numerical simulations	
M.L. Benner (Austin, TX, USA), R.H. Mohtar and L.S. Lee (West Lafayette, IN, USA)	305
<i>Book reviews</i>	331
<i>Author Index Volume 95</i>	335
<i>Subject Index Volume 95</i>	337
<i>Contents Volume 95</i>	339