

Environmental Chemistry

environmental problems • chemical approaches



Cover

Environmental nanoparticles are fundamental to the sustainability of ecosystems, contributing to soil and sediment microstructure, nutrient bioavailability, and the transport of both essential and toxic compounds. Contributions on the structure and function of environmental nanoparticles can be found in the Research Front of this issue, pp. 155–207.

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Groundwater contamination by heavy metals and radionuclides can result from nuclear activity, including fuel processing, weapons development and testing, power generation and waste management. Phosphate precipitates metal ions from solution and has been proposed as a method of remediation. Wellman et al. (pp. 219–224) test the efficacy of three phosphate amendments for subsurface metal sequestration.

RESEARCH FRONT

Environmental Nanoparticles

ESSAY

The Key Role of Environmental Colloids/Nanoparticles for the Sustainability of Life

J. Buffle

155

REVIEW

Aquatic Colloids and Nanoparticles: Current Knowledge and Future Trends

J. R. Lead, K. J. Wilkinson

159

RAPID COMMUNICATIONS

Protective Role of Alginic Acid Against Metal Uptake by American Oyster (*Crassostrea virginica*)

J. M. Haye, P. H. Santschi, K. A. Roberts, S. Ray

172

The Influence of Sample Preparation on Observed Particle Size Distributions for Contrasting Soil Suspensions using Flow Field-Flow Fractionation

L. J. Gimbert, P. M. Haygarth, R. Beckett, P. J. Worsfold

184

Asymmetrical Flow Field Flow Fractionation–Multidetector System as a Tool for Studying Metal–Alginate Interactions

E. Alasonati, B. Stolpe, M.-A. Benincasa, M. Hassellöv, V. I. Slaveykova

192

Colloidal Metals in the Tamar Estuary and their Influence on Metal Fractionation by Membrane Filtration

K. A. Howell, E. P. Achterberg, A. D. Tappin, P. J. Worsfold

199

RESEARCH PAPERS

Bioaccessibility of Arsenic Bound to Corundum Using a Simulated Gastrointestinal System

D. G. Beak, N. T. Basta, K. G. Scheckel, S. J. Traina

208

Novel Mild Hydrodechlorination of PCDDs, PCDFs, and co-PCBs inside Fly Ash Using a Calcium-Promoted Rhodium Carbon Catalyst in Methanol

Y. Mitoma, M. Takase, Y. Yoshino, T. Masuda, H. Tashiro, N. Egashira, T. Oki

215

Comparative Analysis of Soluble Phosphate Amendments for the Remediation of Heavy Metal Contaminants: Effect on Sediment Hydraulic Conductivity

D. M. Wellman, J. P. Icenhower, A. T. Owen

219

Characteristics of the Acidity in Acid Sulfate Soil Drainage Waters, McLeods Creek, Northeastern NSW, Australia

R. Green, T. David Waite, M. D. Melville, B. C. T. Macdonald

225

Corrigendum to:

Determination of Selective Quinones and Quinoid Radicals in Airborne Particulate Matter and Vehicular Exhaust Particles

A. Valavanidis, K. Fiotakis, T. Vlahogianni, V. Papadimitriou, V. Pantikaki

[Vol. 3(2), 2006, pp. 118–123]

233