

Special Issue

Bioremediation of Contaminated Soil and Water

Preface

- QIU Rong-Liang, J. GUERIF and ZHANG Ren-Duo 425
- Nitrous oxide emission by agricultural soils: A review of spatial and temporal variability for mitigation
C. HÉNAULT, A. GROSSEL, B. MARY, M. ROUSSEL and J. LÉONARD 426
- Soil contamination due to e-waste disposal and recycling activities: A review with special focus on China
ZHANG Wei-Hua, WU Ying-Xin and M. O. SIMONNOT 434
- Generic issues on broad-scale soil monitoring schemes: A review
D. ARROUAYS, B. P. MARCHANT, N. P. A. SABY, J. MEERSMANS, T. G. ORTON, M. P. MARTIN,
P. H. BELLAMY, R. M. LARK and M. KIBBLEWHITE 456
- Designing cropping systems for metal-contaminated sites: A review
TANG Ye-Tao, DENG Teng-Hao-Bo, WU Qi-Hang, WANG Shi-Zhong, QIU Rong-Liang, WEI Ze-Bin,
GUO Xiao-Fang, WU Qi-Tang, LEI Mei, CHEN Tong-Bin, G. ECHEVARRIA, T. STERCCKEMAN,
M. O. SIMONNOT and J. L. MOREL 470
- Dynamics of soil organic carbon under uncertain climate change and elevated atmospheric CO₂
LIN Zhong-Bing and ZHANG Ren-Duo 489
- Cellular tolerance, accumulation and distribution of cadmium in leaves of hyperaccumulator *Picris divaricata*
HU Peng-Jie, GAN Yuan-Yuan, TANG Ye-Tao, ZHANG Quan-Fang, JIANG Dan, YAO Nan and
QIU Rong-Liang 497
- Anaerobic removal of trace organic contaminants in sewage sludge: 15 years of experience
M. BARRET, L. DELGADILLO-MIRQUEZ, E. TRABLY, N. DELGENES, F. BRAUN, G. CEA-BARCIA,
J. P. STEYER and D. PATUREAU 508
- Root-induced changes of pH, Eh, Fe(II) and fractions of Pb and Zn in rhizosphere soils of four wetland plants with
different radial oxygen losses
YANG Jun-Xing, LIU Yong and YE Zhi-Hong 518
- Characterization of strain *Pseudomonas* sp. Q1 in microbial fuel cell for treatment of quinoline-contaminated water
ZHANG Cui-Ping, CHEN Shan-Shan, LIU Guang-Li, ZHANG Ren-Duo and XIE Jian 528
- Potential mineralization of various organic pollutants during composting
S. HOUOT, C. VERGE-LEVIEL and M. POITRENAUD 536
- Attenuation of metal bioavailability in acidic multi-metal contaminated soil treated with fly ash and steel slag
QIU Hao, GU Hai-Hong, HE Er-Kai, WANG Shi-Zhong and QIU Rong-Liang 544
- Biodegradation of benzo[a]pyrene by *Arthrobacter oxydans* B4
PENG Hui, YIN Hua, DENG Jun, YE Jin-Shao, CHEN Shuo-Na, HE Bao-Yan and ZHANG Na 554
- Contamination of harvested organs in root crops grown on chlordecone-polluted soils
Y. M. CABIDOCHÉ and M. LESUEUR-JANNOYER 562
- Effective treatment of trichloroethylene-contaminated soil by hydrogen peroxide in soil slurries
CAI Xin-De, DU Wen-Ting, WU Jia-Yi, LI Rong-Fei, GUO Yang and YANG Zi-Jiang 572
- Efficiency of a grass buffer strip for limiting diuron losses from an uphill vineyard towards surface and subsurface
waters
J.-G. LACAS, N. CARLUER and M. VOLTZ 580