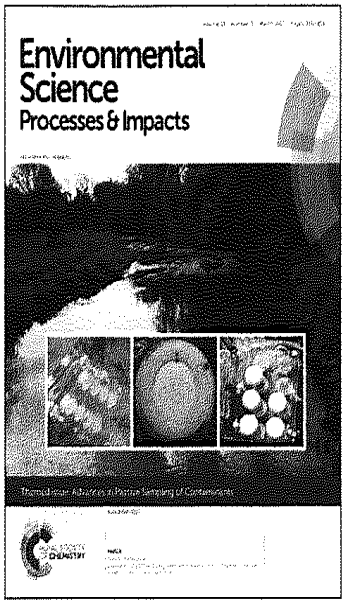
ISSN 2050-7887 CODEN ESPICZ 16(3) 355–614 (2014)



Cover
See Geraldine S. C. Turner *et al.*, pp. 393–403.
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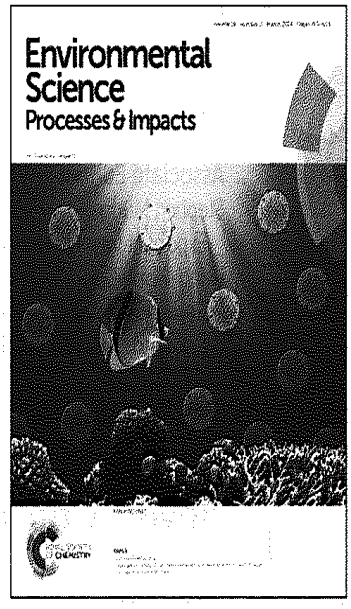

Inside cover
See Chintal Desai *et al.*, pp. 518–523.
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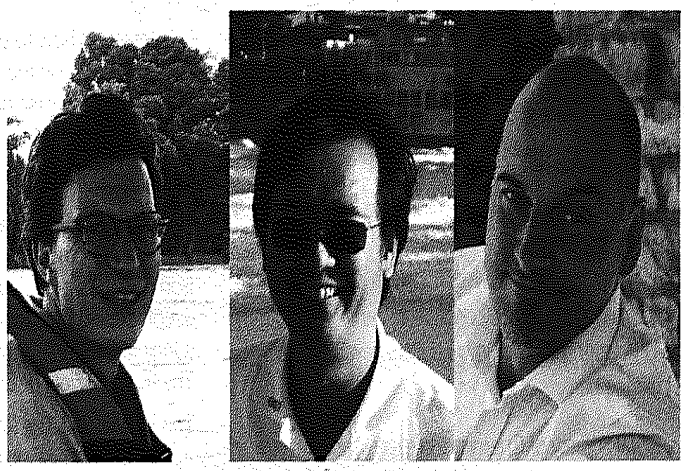
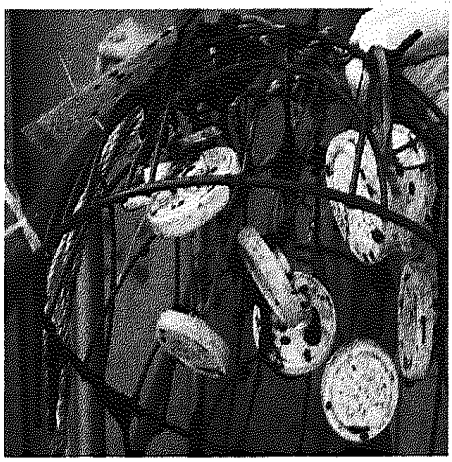
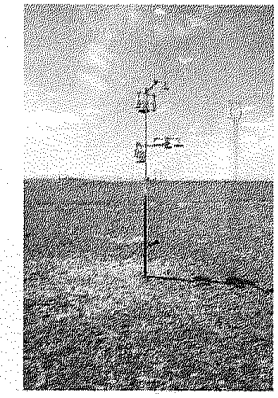
THEMED ISSUE ARTICLES

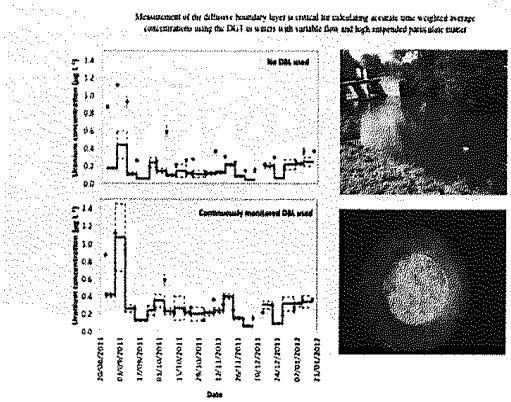
EDITORIAL

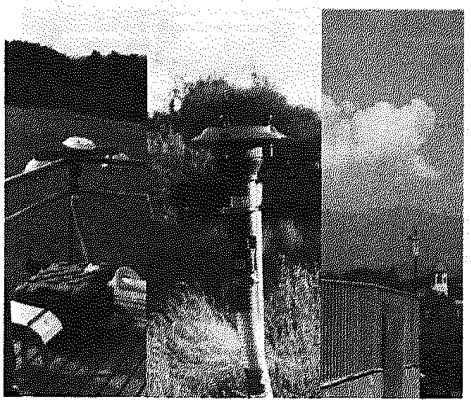


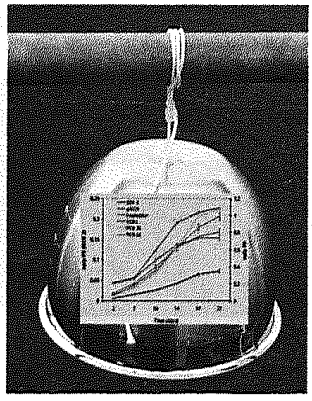
FOCUS

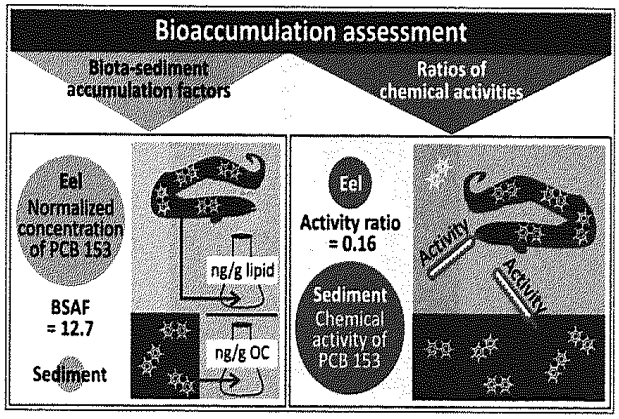


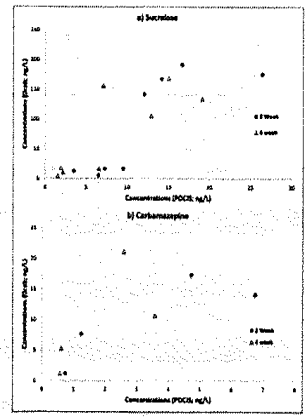


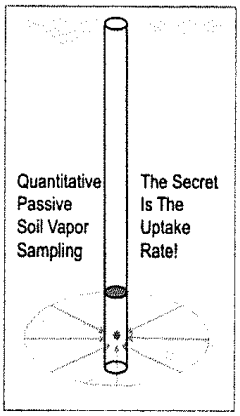










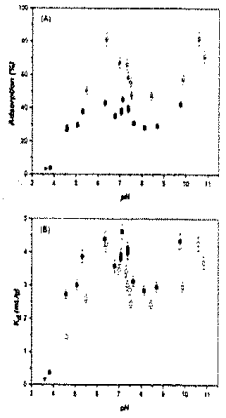


534

The adsorption behavior of U(VI) on granite

Q. H. Fan, L. M. Hao, C. L. Wang, Z. Zheng, C. L. Liu* and W. S. Wu*

The effects of pH, counter ions and temperature on the adsorption of U(VI) on Beishan granite (BsG) were investigated in the presence and absence of fulvic acid (FA) and humic acid (HA).

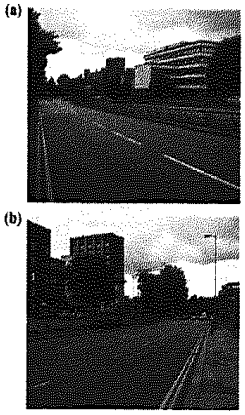


542

Mineral magnetic measurements as a particle size proxy for urban roadside soil pollution (part 1)

C. J. Crosby,* C. A. Booth and M. A. Fullen

The use of mineral magnetic concentration parameters (χ_{LF}, χ_{ARM} and SIRM) as a potential particle size proxy for soil samples collected from Wolverhampton (UK) is explored as an alternative means of normalizing particle size effects.

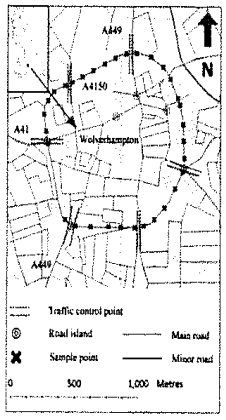


548

Potential linkages between mineral magnetic measurements and urban roadside soil pollution (part 2)

C. J. Crosby,* M. A. Fullen and C. A. Booth

Use of mineral magnetic concentration parameters (χ_{LF}, χ_{ARM} and SIRM) as a potential pollution proxy for soil samples collected from Wolverhampton (UK) is explored.



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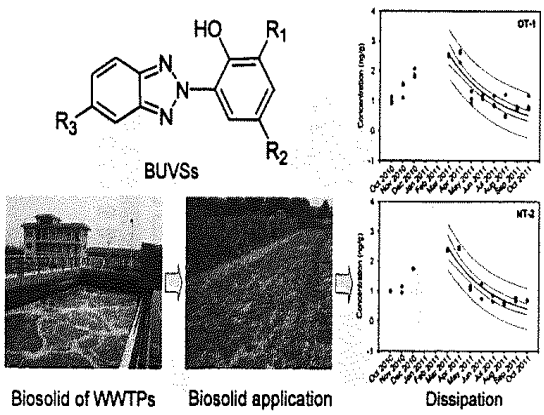
Field dissipation and plant uptake of benzotriazole ultraviolet stabilizers in biosolid-amended soils

Hua-Jie Lai, Guang-Guo Ying,* Yi-Bing Ma, Zhi-Feng Chen, Feng Chen and You-Sheng Liu

Benzotriazole ultraviolet stabilizers (BUVSs) were detected in the biosolid-amended soils, and showed slow dissipation in soil environments.



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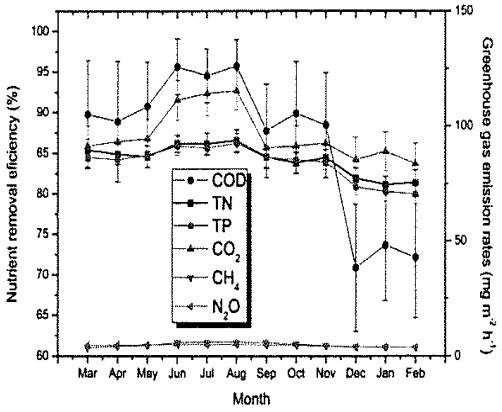
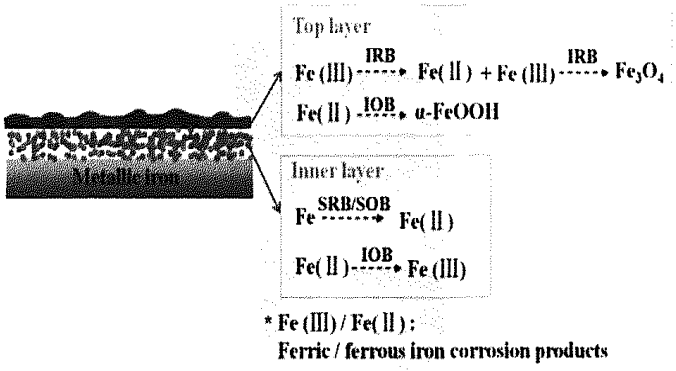


Effects of influent C/N ratios on wastewater nutrient removal and simultaneous greenhouse gas emission from the combinations of vertical subsurface flow constructed wetlands and earthworm eco-filters for treating synthetic wastewater

Yongjun Zhao, Yuejin Zhang,* Zhigang Ge, Changwei Hu and Hui Zhang

C/N ratio of 5:1 and VSFCW–EE combination exhibited the highest nutrient removal efficiency with the lowest GHG emission rate.

576



Formation and release behavior of iron corrosion products under the influence of bacterial communities in a simulated water distribution system

Huifang Sun, Baoyou Shi,* Darren A. Lytle, Yaohui Bai and Dongsheng Wang

The development process and release behavior of iron corrosion products could be manipulated by the bacterial community in a biofilm.

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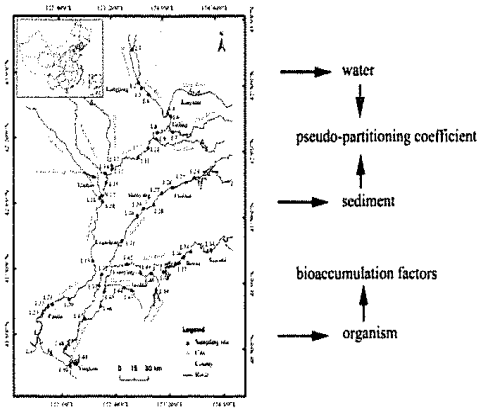

Occurrence, distribution and bioaccumulation of antibiotics in the Liao River Basin in China

Yangwei Bai, Wei Meng,* Jian Xu, Yuan Zhang and Changsheng Guo

The occurrence, distribution and bioaccumulation of 19 antibiotics in water, sediment and organism samples from the Liao River Basin were investigated.

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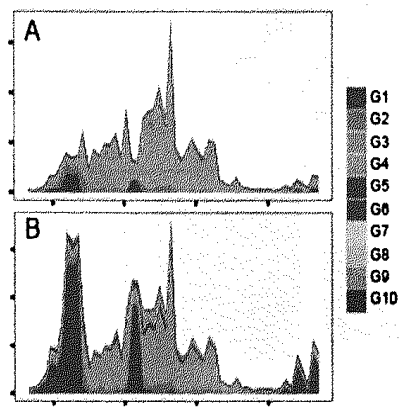

Weekly flow cytometric analysis of riverine phytoplankton to determine seasonal bloom dynamics

Daniel. S. Read,* Michael J. Bowes, Lindsay K. Newbold and Andrew S. Whiteley

Flow cytometry (FCM) can be used for monitoring of phytoplankton dynamics in river catchments, providing high resolution measures of multiple phytoplankton groups including diatoms, chlorophytes, cryptophytes and cyanobacteria.

Levels of toxic arsenic species in native terrestrial plants from soils polluted by former mining activities

Sara García-Salgado* and M. Ángeles Quijano

Native terrestrial plants from polluted soils showed a high arsenic biotransformation rate although high concentration levels remained as water-soluble species.