

IEWS & COMMENTS

- 6 Microplastics pollution and reduction strategies
**Wei-Min Wu, Jun Yang, Craig S.
Criddle**

FEATURE ARTICLE

- 1 Microbial mediated arsenic biotransformation in
wetlands
**Si-Yu Zhang, Paul N. Williams, Jinming
Luo, Yong-Guan Zhu**

REVIEW

- 8 Adsorption in combination with ozonation for the
treatment of textile waste water: a critical review
**Shraddha Khamparia, Dipika Kaur
Jaspal**
- 13 Global sources, emissions, transport and deposition
of dust and sand and their effects on the climate
and environment: a review
**Feng Wang, Xueqiu Zhao, Cynthia
Gerlein-Safdi, Yue Mu, Dongfang
Wang, Qi Lu**

RESEARCH ARTICLE

- 2 Mercury enrichment in *Brassica napus* in response
to elevated atmospheric mercury concentrations
**Chunhao Dai, Pufeng Qin, Zhangwei Wang,
Jian Chen, Xianshan Zhang, Si Luo**

- 3 Emissions analysis on second generation biodiesel
**Yuvarajan Devarajan, Ravi kumar Jayabal,
Devanathan Ragupathy, Harish Venu**
- 4 Online control of biofilm and reducing carbon dosage in
denitrifying biofilter: pilot and full-scale application
**Xiuhong Liu, Hongchen Wang, Qing Yang,
Jianmin Li, Yuankai Zhang, Yongzhen Peng**
- 5 Investigation of polyhydroxyalkanoates (PHAs) biosynthesis
from mixed culture enriched by valerate-dominant hydrolysate
Jiuxiao Hao, Xiujin Wang, Hui Wang
- 7 Interactions between metal ions and the biopolymer in activated
sludge: quantification and effects of system pH value
**Yun Zhou, Siqing Xia, Binh T. Nguyen, Min Long,
Jiao Zhang, Zhiqiang Zhang**
- 9 Novel coprecipitation–oxidation method for recovering iron from
steel waste pickling liquor
**Shejiang Liu, Hongyang Yang, Yongkui Yang,
Yupeng Guo, Yun Qi**
- 10 Isolation and application of predatory *Bdellovibrio*-and-like
organisms for municipal waste sludge biolysis and dewaterability
enhancement
**Ran Yu, Shiwen Zhang, Zhoukai Chen,
Chuanyang Li**

11 Diffusion of municipal wastewater treatment technologies in China: a collaboration network perspective

Yang Li, Lei Shi, Yi Qian, Jie Tang

12 Pollution of hazardous substances in industrial construction and demolition wastes and their multi-path risk within an abandoned pesticide manufacturing plant

**Sheng Huang, Xin Zhao, Yanqiu Sun,
Jianli Ma, Xiaofeng Gao, Tian Xie,
Dongsheng Xu, Yi Yu, Youcai Zhao**

14 Probing the redox process of *p*-benzoquinone in dimethyl sulphoxide by using fluorescence spectroelectrochemistry

**Rui Lu, Wei Chen, Wen-Wei Li,
Guo-Ping Sheng, Lian-Jun Wang,
Han-Qing Yu**