

## FEATURE ARTICLE

- 14 Biogas and its opportunities—A review  
**Panagiotis G. Kougias, Irimi Angelidaki**

## REVIEW

- 2 Current state and future perspectives of sewer networks in urban China  
**Dong Huang, Xiuhong Liu, Songzhu Jiang, Hongchen Wang, Junyan Wang, Yuankai Zhang**
- 10 Anaerobic ammonia oxidizing bacteria: Ecological distribution, metabolism, and microbial interactions  
**Dawen Gao, Xiaolong Wang, Hong Liang, Qihang Wei, Yuan Dou, Longwei Li**

## RESEARCH ARTICLE

- 1 Energy reduction of a submerged membrane bioreactor using a polytetrafluoroethylene (PTFE) hollow-fiber membrane  
**Taro Miyoshi, Thanh Phong Nguyen, Terumi Tsumuraya, Hiromu Tanaka, Toru Morita, Hiroki Itokawa, Toshikazu Hashimoto**
- 3 End-of-life batteries management and material flow analysis in South Korea  
**Hyunhee Kim, Yong-Chul Jang, Yeonjung Hwang, Youngjae Ko, Hyunmyeong Yun**

- 4 Effects of eggshell addition on calcium-deficient acid soils contaminated with heavy metals  
**Weiqi Luo, Yanping Ji, Lu Qu, Zhi Dang, Yingying Xie, Chengfang Yang, Xueqin Tao, Jianmin Zhou, Guining Lu**
  
- 5 Effectiveness of aerobic pretreatment of municipal solid waste for accelerating biogas generation during simulated landfilling  
**Munawar Ali, Junli Zhang, Roberto Raga, Maria Cristina Lavagnolo, Alberto Pivato, Xu Wang, Yuanyuan Zhang, Raffaello Cossu, Dongbei Yue**
  
- 6 Molecular analysis of bacterial community in the tap water with different water ages of a drinking water distribution system  
**Feng Wang, Weiyang Li, Yue Li, Junpeng Zhang, Jiping Chen, Wei Zhang, Xuan Wu**
  
- 7 Occurrence of veterinary antibiotics in struvite recovery from swine wastewater by using a fluidized bed  
**Zhi-Long Ye, Yujun Deng, Yaoyin Lou, Xin Ye, Shaohua Chen**
  
- 8 Photolysis and photooxidation of typical gaseous VOCs by UV Irradiation: Removal performance and mechanisms  
**In-Sun Kang, Jinying Xi, Hong-Ying Hu**
  
- 9 Effect of placement angles on wireless electrocoagulation for bipolar aluminum electrodes  
**Zhenlian Qi, Jinna Zhang, Shijie You**

11 Application and mechanism of polysaccharide extracted from *Enteromorpha* to remove nano-ZnO and humic acid in coagulation process

**Jianzhang Sun, Baoyu Gao,  
Yuanxia Luo, Moxi Xue, Xing Xu,  
Qinyan Yue, Yan Wang**

12 Oxidation and biotoxicity assessment of microcystin-LR using different AOPs based on UV, O<sub>3</sub> and H<sub>2</sub>O<sub>2</sub>

**Siyi Lu, Naiyu Wang, Can Wang**

13 How aerosol direct effects influence the source contributions to PM<sub>2.5</sub> concentrations over southern Hebei, China in severe winter haze episodes

**Litao Wang, Joshua S. Fu, Wei Wei,  
Zhe Wei, Chenchen Meng,  
Simeng Ma, Jiandong Wang**

15 Hydrophilic/underwater superoleophobic graphene oxide membrane intercalated by TiO<sub>2</sub> nanotubes for oil/water separation

**Zhichao Wu, Chang Zhang,  
Kaiming Peng, Qiaoying Wang,  
Zhiwei Wang**