



# Environmental Science journals

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Elemental answers



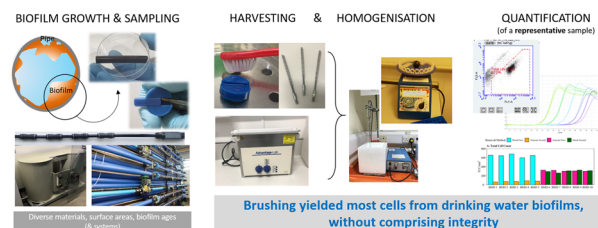
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797

## Emerging investigator series: optimisation of drinking water biofilm cell detachment and sample homogenisation methods for rapid quantification via flow cytometry

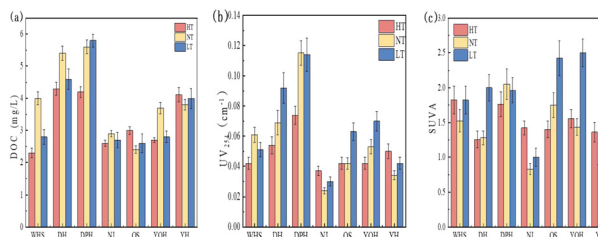
Frances C. Pick\* and Katherine E. Fish\*



814

## Characterisation of the formation of halobenzoquinone disinfection by-products in typical water sources at different water quality stages

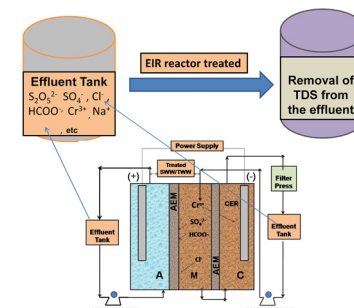
Zhangbin Pan, Hengjun Yao, Ke Lin, Yulong Liang, Wuchang Song, Junwei He, Zhenqi Du, Wenhai Chu\* and Ruibao Jia\*



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## Environmentally friendly TDS removal from waste water by electrochemical ion exchange batch-type recirculation (EIR) technique

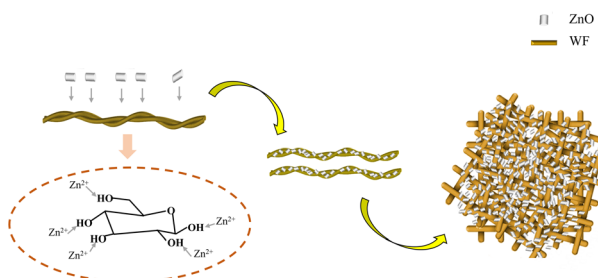
G Vijayakumar,\* Muniyandi Rajkumar, N Rajiv Chandar, P Selvakumar and Ramesh Duraisamy



836

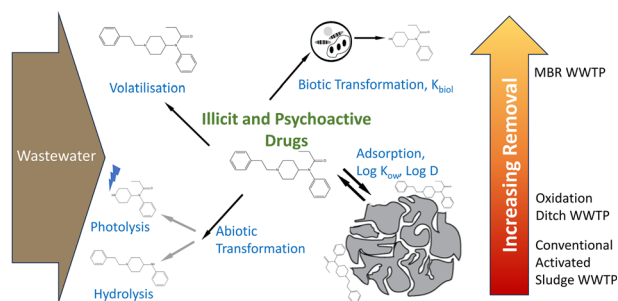
## An environment friendly multifunctional ZnO/wood fiber composite for the treatment of wastewater mixed with emulsions and dye

Qin Long, Junfeng Li,\* Haonan Wu, Yuting Lin, Xiaoqing Zhou, Yi Huang, Peicong Zhang, Qin Zou and Rui Zhang





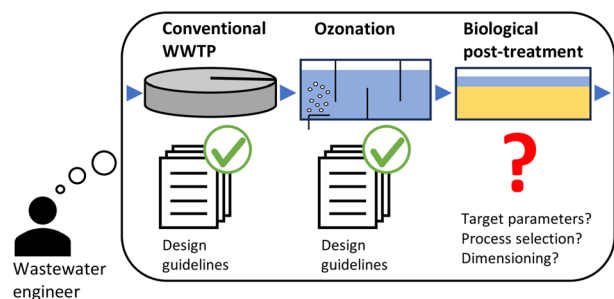
847



### Removal mechanisms of illicit and psychoactive drugs in different wastewater treatment processes

Luis Restrepo-Vieira, Kathryn L. Linge, Francesco Busetti and Cynthia A. Joll\*

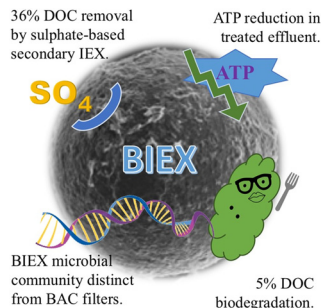
860



### Analysis of design criteria for biological post-treatment of ozonated wastewater treatment plant effluent

Daniel Sauter, Regina Gnirss and Thomas Wintgens\*

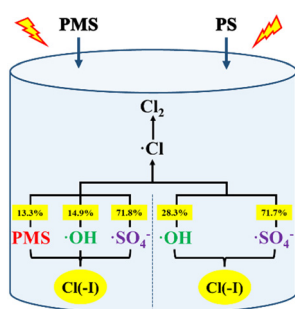
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### Biological contributions to biological ion exchange

Karl Zimmermann, Pranav Sampara, Ryan Ziels and Madjid Mohseni\*

889



### Direct and indirect oxidation removal of chloride ions from sulfuric acid wastewater using photoactivated PMS/PS: efficiency and mechanism

Wenyue Dou,\* Dong Li, Jiaqi Wu, Kaili Zhu, Chenyang Wu, Linghao Kong and Xingyun Hu

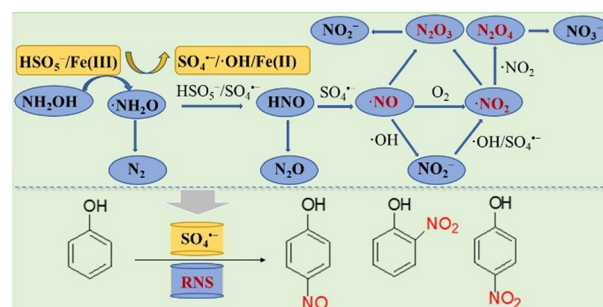




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## Formation of nitro(so) by-products of concern during the treatment of phenolic compounds by the hydroxylamine-enhanced Fe(II)/peroxymonosulfate process

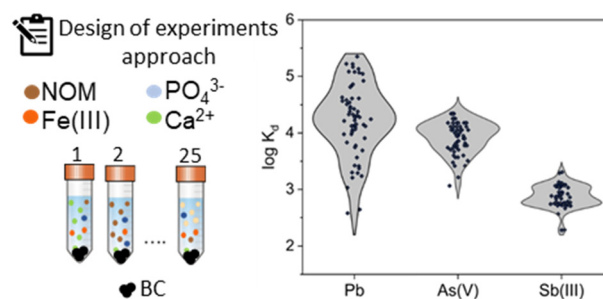
Jiebin Duan, Chaoting Guan,\* Su-yan Pang and Jin Jiang



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## The efficacy of Pb, As(v) and Sb(III) removal by biochar is determined by solution chemistry

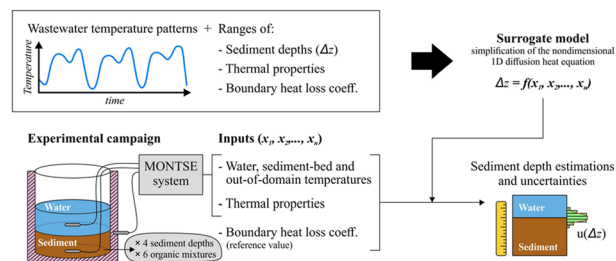
Sampriti Chaudhuri, Gabriel Sigmund,\* Naresh Kumar, Thorsten Hüffer, Andreas Mautner and Thilo Hofmann\*



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## Combining a daily temperature pattern analysis and a heat-pulse system to estimate sediment depths in sewer systems

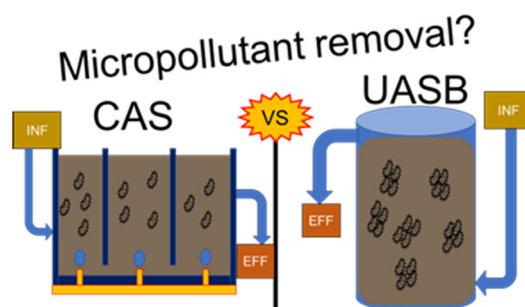
Manuel Regueiro-Picallo,\* Jeroen Langeveld, Haoyu Wei, Jean-Luc Bertrand-Krajewski and Jörg Rieckermann



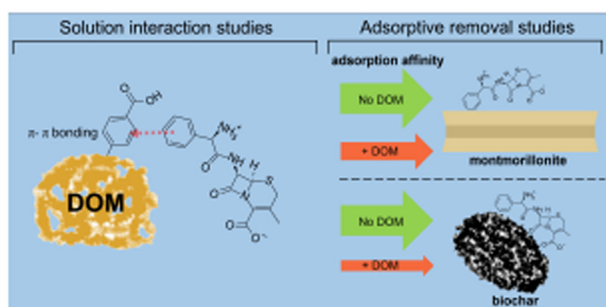
936

## Differential biotransformation of micropollutants in conventional activated sludge and up-flow anaerobic sludge blanket processes

M. Martin, Jingyi Wu, Stephanie L. Rich, Ruth E. Richardson and Damian E. Helbling\*



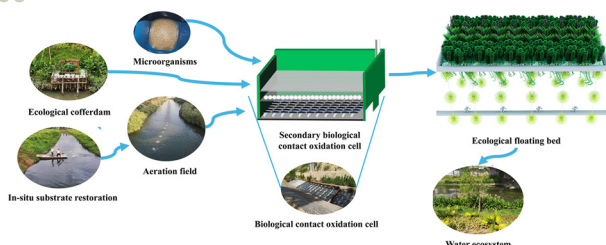
949



### Cephalexin interaction with biosolids-derived dissolved organic matter: binding mechanism and implications for adsorption by biochar and clay

Michael P. Schmidt,\* Daniel J. Ashworth and Abasiofiok Mark Ibekwe

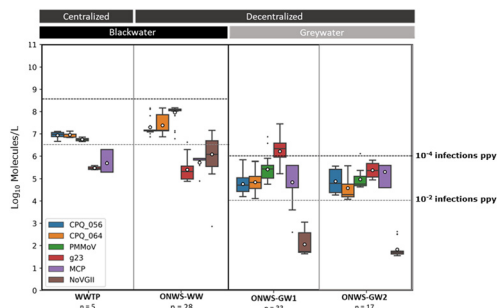
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### Combined biological contact oxidation pool process to treat black-odor waterbodies

Xin Li, Yongbing Huang,\* Yifan Shi, Geli Cheng and Zieryeke Niyazihihan

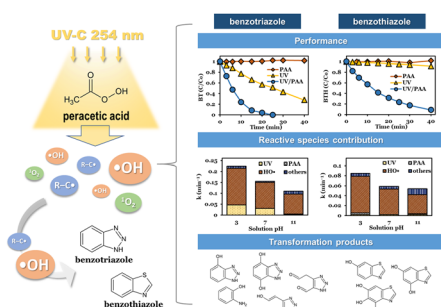
971



### Evaluating endogenous viral targets as potential treatment monitoring surrogates for onsite non-potable water reuse

Maitreyi Nagarkar, Scott P. Keely, Emily A. Wheaton, Varun Rao, Michael A. Jahne, Jay L. Garland and Nichole E. Brinkman\*

982



### Degradation of benzotriazole and benzothiazole with the UV-activated peracetic acid process: performance, mechanism and transformation pathway

Webber Wei-Po Lai,\* Fang-Yi Gu, Wan-Lun Tai and Zih-Syuan Tang

