

# Environmental Science Water Research & Technology

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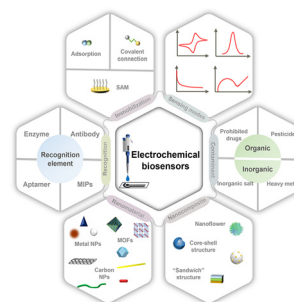
**Cover**  
See Aiqin Luo *et al.*,  
pp. 353–363.  
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*Environ. Sci.: Water Res.  
Technol.*, 2024, 10, 353.

## CRITICAL REVIEW

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### Electrochemical biosensors: rapid detection methods in wastewater-based epidemiology research

Chunying Yuan, Mushui Shu, Zhaohui Fu, Li Zhou, Ling Guo, Ding Ding, Yu Wang, Zhizhen Xu,\* Jingyi Wang\* and Dongsheng Wang\*

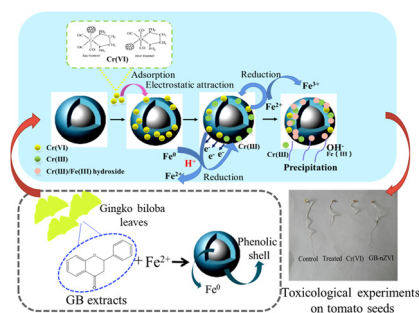


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### Efficient elimination of Cr(VI) in groundwater using nano zero-valent iron synthesized with *Ginkgo biloba* extracts: enhanced mechanism and reduced toxicity

Ting Li, Fang Zhu,\* Yaqin Gao, Marie Rose IRIBAGIZA, Guangyao Hu and Jian Guan



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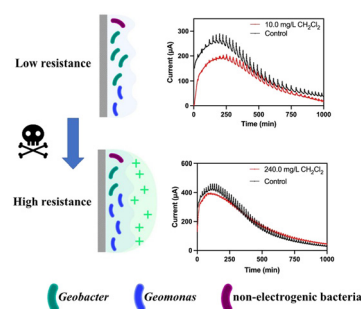
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## Effects of long-term and incremental exposure to toxic pollutants on the current generation and microbial communities of electrochemically active bacteria

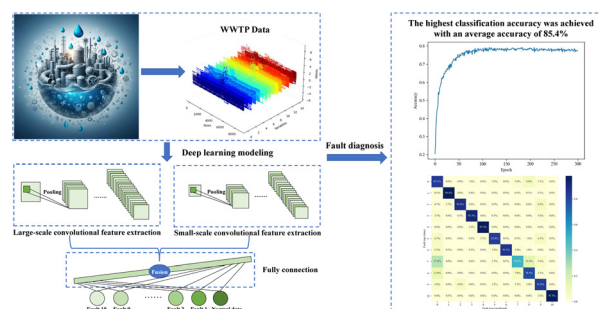
Yue Yi, Yuxin Feng, Baoguo Wang, Haoran Nan, Zika Hao, Tianbo Yi and Aiqin Luo\*



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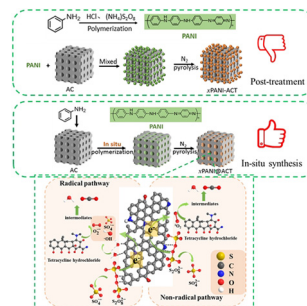
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## Catalytic degradation of tetracycline hydrochloride using surface nitrogen-rich activated carbon based on polyaniline

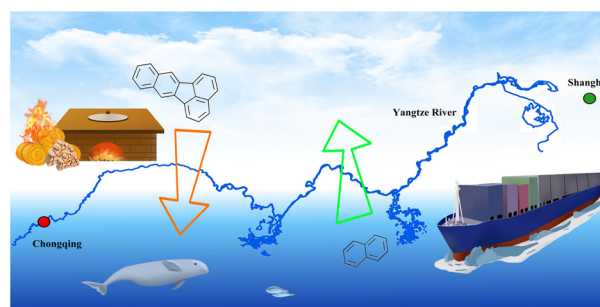
Kaibin Zhang, Ziyu Wang, Xingyong Liu, Guo Yang, Caiyi Jiang, Zhicheng Pan, Xiaonan Liu, Yi Wang\* and Bo Xing\*



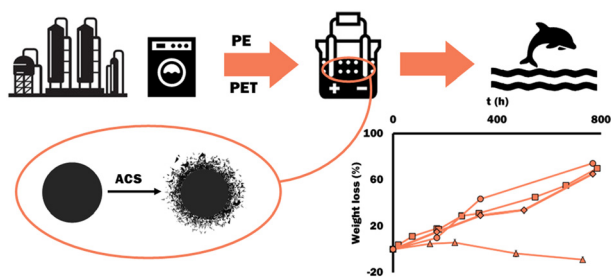
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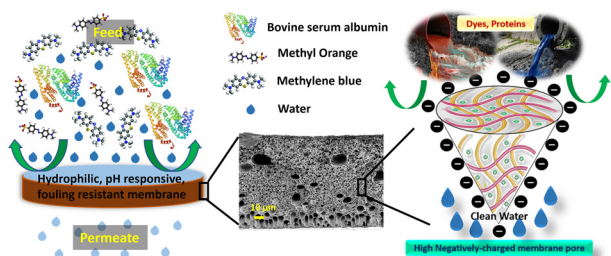
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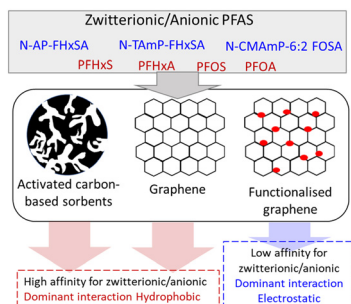
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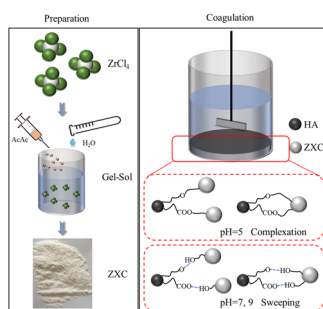
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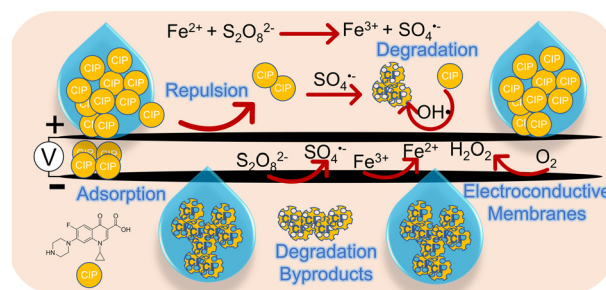
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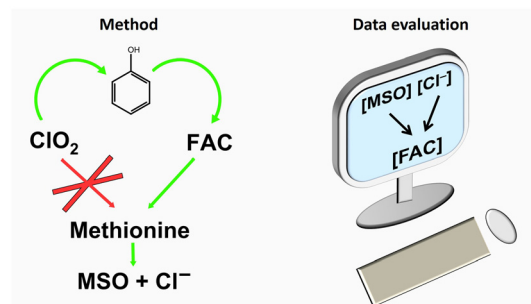
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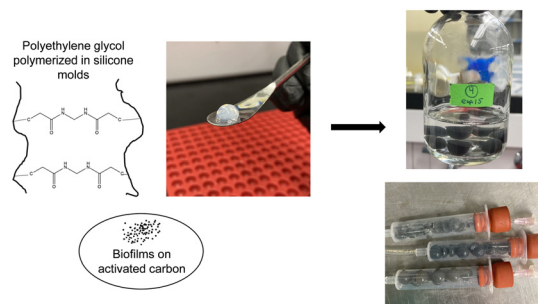
Mischa Jütte, Josephine Heyns, Mohammad Sajjad Abdighahroudi, Christoph Schüth and Holger V. Lutze\*



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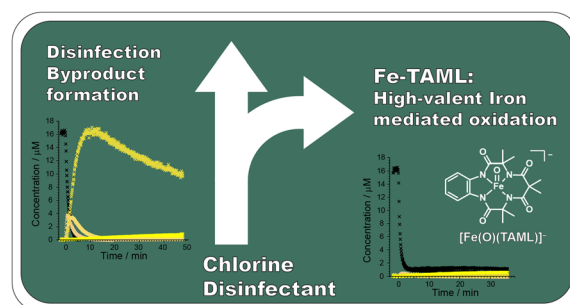
Gretchen M. Gutenberger, Olivia M. Holgate, William A. Arnold, Jeremy S. Guest and Paige J. Novak\*



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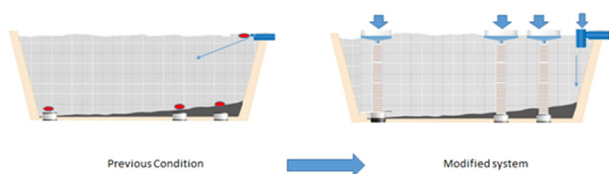
### Curbing chlorine disinfection byproduct formation with a biomimetic FeTAML oxidation catalyst

James N. McPherson,\* Freja Troj Larsen, Maja Juncher Lind, Christopher J. Miller, T. David Waite, Christine J. McKenzie and Frants R. Lauritsen





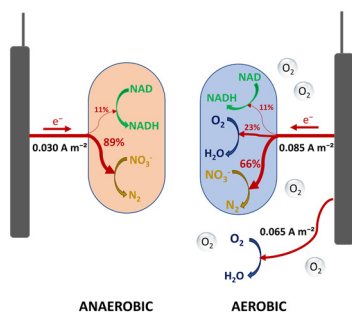
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### Using slow sand filter for organic matter and suspended solids removal as post-treatment unit for wastewater effluent

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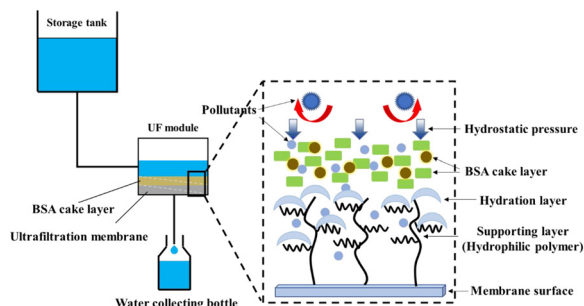
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Carlos Norberto Rodríguez Simón, Andrea Pedetta, Juan Pablo Busalmen and Sebastián Bonanni\*

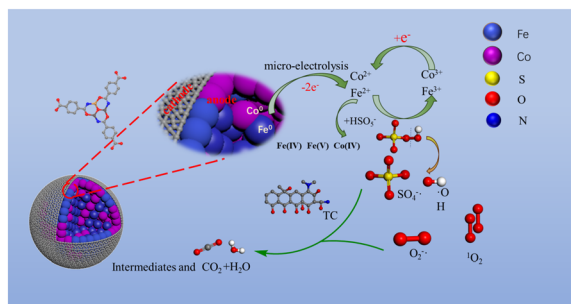
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### More effective peroxymonosulfate activation for tetracycline removal by Co-FeN/ABC assisted by micro-electrolysis: performance and mechanism

Fangke Yu,\* Haoqing Li and Yueping Guo



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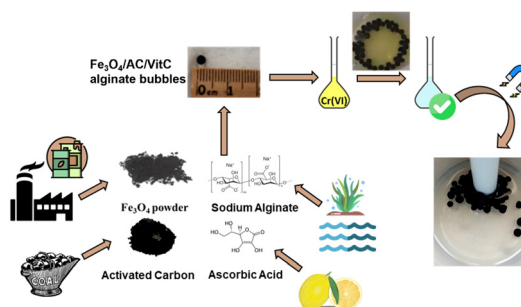
Katarzyna Puczek\*



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### Industrial waste against pollution: mill scale-based magnetic hydrogels for rapid abatement of Cr(VI)

Autchariya Boontanom,\* Marina Maddaloni, Piyada Suwanpinij, Irene Vassalini\* and Ivano Alessandri\*



## CORRECTIONS

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### Correction: Effects of long-term and incremental exposure to toxic pollutants on the current generation and microbial communities of electrochemically active bacteria

Yue Yi, Yuxin Feng, Baoguo Wang, Haoran Nan, Zikai Hao, Tianbo Yi and Aiqin Luo\*

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### Correction: Membrane degassing with the combination of sweep gas and vacuum pressure for ammonia removal

Hongsik Yoon, Jiho Lee, Gunhee Lee, Wanho Shin and Taijin Min\*

