# Environmental Science Water Research & Technology

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**Cover**
See Nikitha Inarmal and Brenda Moodley, pp. 1566–1576. Image reproduced by permission of Brenda Moodley from *Environ. Sci.: Water Res. Technol.*, 2023, **9**, 1566.

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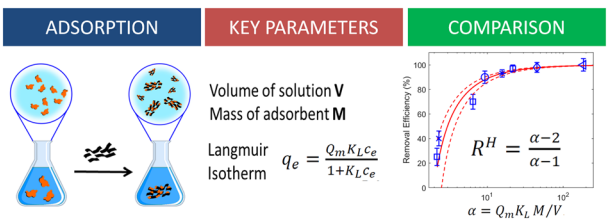


## PAPERS

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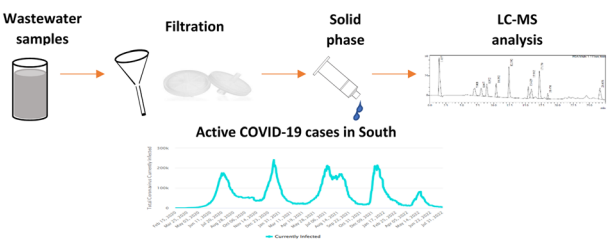
**Selected pharmaceutical analysis in a wastewater treatment plant during COVID-19 infection waves in South Africa**

Nikitha Inarmal and Brenda Moodley*



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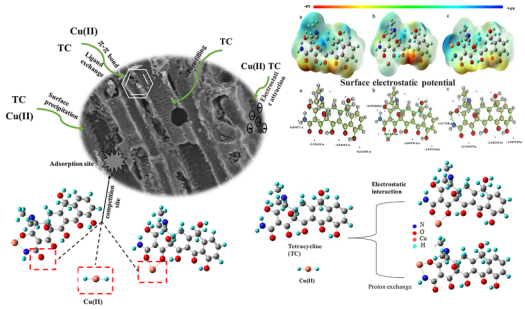
Yanru Zhang, Jiaqin Deng, Yunan Liu, Hui Li,* Mengjiao Tan, Xiaoli Qin, Zijian Wu, Zhongliang Huang, Xiaodong Li and Qiang Lu*

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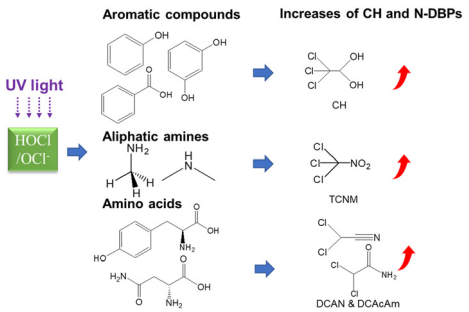
Ding Wang, Zhechao Hua, Yonglin Cui, Zijun Dong, Chen Li and Jingyun Fang*

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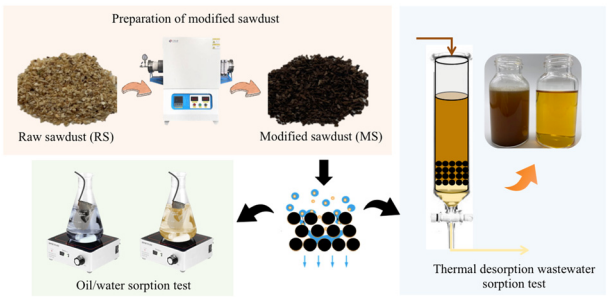
**Treatment of wastewater from the thermal desorption of oil-contaminated soil: performance and sorption mechanism of pyrolytic modified sawdust**

Feng Xiao, Ting Chen, Hui Cao, Huili Lin, Shan Jiang and Jun Yin*

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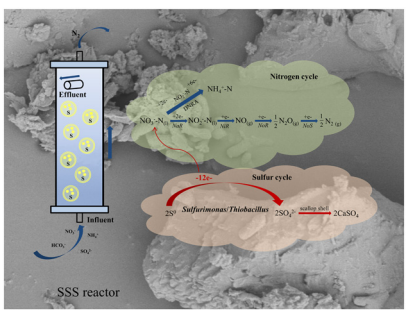
**Treatment of nitrate-contaminated groundwater using microbially enhanced permeable reactive barrier technology**

Shengfeng Liu, Bai Gao,* Xingxing Xiong, Nan Chen,* Keng Xuan,* Wenjie Ma, Yong Song and Yanling Yu



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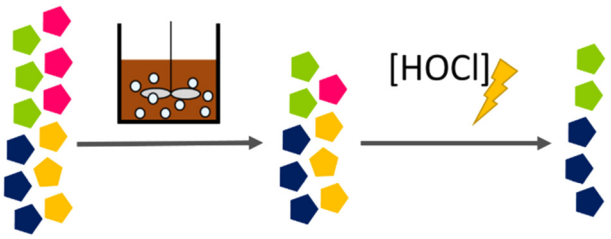


**Selective elimination of enterovirus genotypes by activated sludge and chlorination**

Odile Larivé, Shotaro Torii, Nicolas Derlon and Tamar Kohn*

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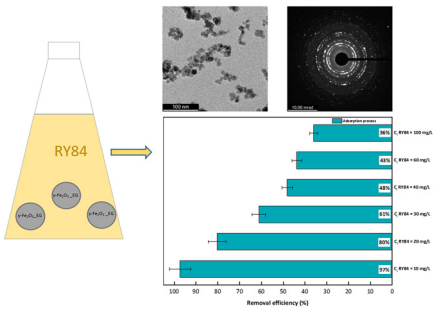


**Nanocrystalline structured ethylene glycol doped maghemite for persistent pollutants removal**

Andreea Elena Maftei,* Imad Ahmed, Mariana Neamtu, Cristina Giorgiana Coromelci, Maria Ignat and Loredana Brinza*

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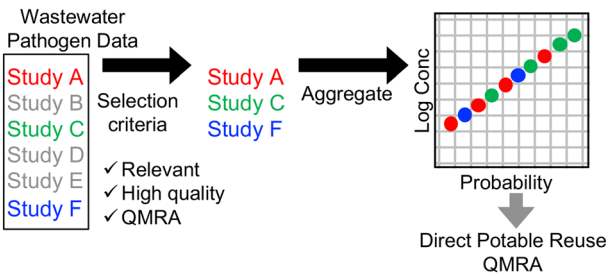


**Identifying and aggregating high-quality pathogen data: a new approach for potable reuse regulatory development**

Emily Darby,* Adam Olivieri, Charles Haas, George Di Giovanni, Walter Jakubowski, Menu Leddy, Kara L. Nelson, Channah Rock, Theresa Slifko and Brian M. Pecson

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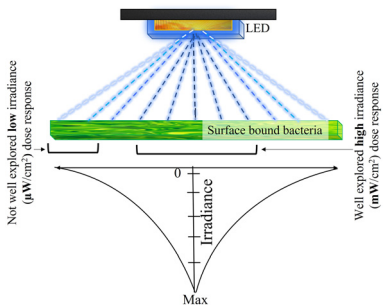


**Low-irradiance inactivation kinetics of *Escherichia coli* during prolonged exposure to ultraviolet-C radiation**

Muhammad Salman Mohsin, Katrina Fitzpatrick, Melisa Avdic, Joshua Fiorentino and Mariana Lanzarini-Lopes*

PAPERS

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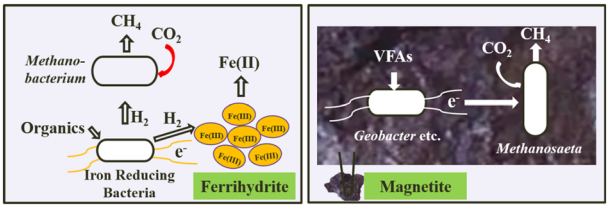
## Effects of different iron minerals on organics removal pathway and end-products during anaerobic digestion

Yafei Yang, Hezhen Chen, Jiayi Liu, Bi Chen, Fan Yang, Li Wang, Yan Wang, Ming Dou and Junfeng Wan*

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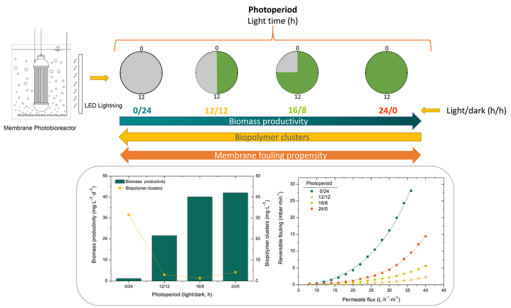
E. Segredo-Morales, E. González,* C. González-Martín and L. Vera

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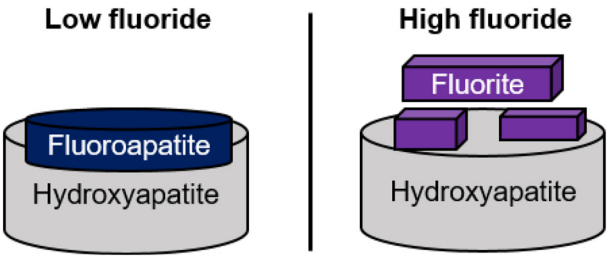
Claresta Joe-Wong, Andrea Alemán-Reyes, Nam Q. Le, K. Michael Salerno, James K. Johnson, Zhiyong Xia and Danielle R. Nachman*

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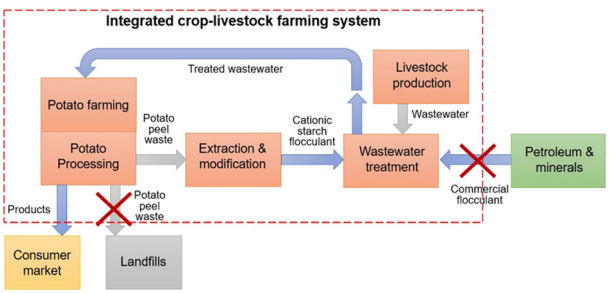
## Flocculation of livestock wastewater using cationic starch prepared from potato peels

Noor Haleem, Augustina Osabutey, Karlee Albert, Cheng Zhang,* Kyungnan Min, Gary Anderson and Xufei Yang*



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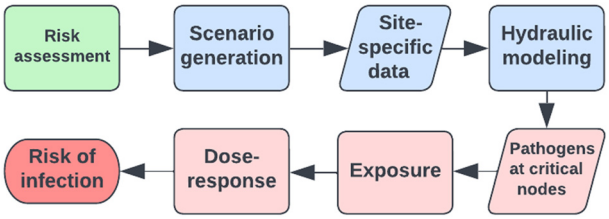


**Health risks due to intrusion into the drinking water distribution network: hydraulic modelling and quantitative microbial risk assessment**

Michael Odhiambo, Victor Viñas, Ekaterina Sokolova* and Thomas J. R. Pettersson*

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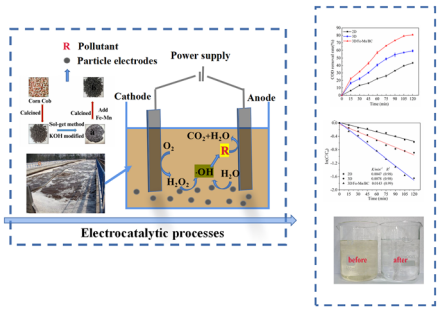


**Efficient degradation of COD from coking wastewater by corncob biochar-modified particles using a three-dimensional electrode reactor**

Qiaoyun Zhu, Xueling Liu, Jingjing Xiang, Likun Li,* Benquan Fu, Yi Wang, Yanjun Huang, Guozhi Fan and Lei Zhang*

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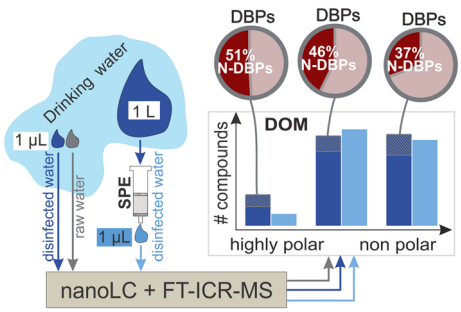


**Direct non-target analysis of dissolved organic matter and disinfection by-products in drinking water with nano-LC-FT-ICR-MS**

Limei Han, Martin Lohse, Maolida Nihemaiti, Thorsten Reemtsma and Oliver J. Lechtenfeld*

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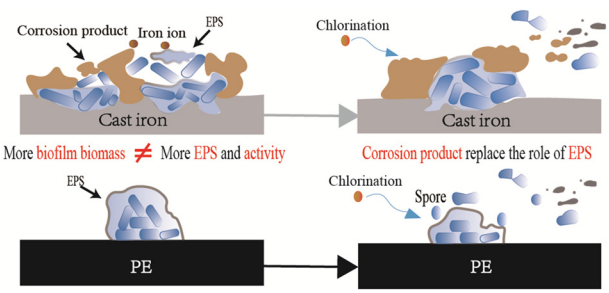


**Assessment of the microbiological safety of drinking water in outdoor pipe materials: biofilm formation and chlorine resistance of typical bacteria**

Zebing Zhu,* Siyang Xu, Yunyan Pei, Lili Shan,* Wanjun Zheng, Xiajun Bao and Yixing Yuan

CORRECTION

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# Correction: Exploring potential dual-stage attention based recurrent neural network machine learning application for dosage prediction in intelligent municipal management

Xusheng Fang, Jian Zang,* Zhengang Zhai, Li Zhang, Ziyu Shu and Yuqi Liang