

Environmental Science Water Research & Technology

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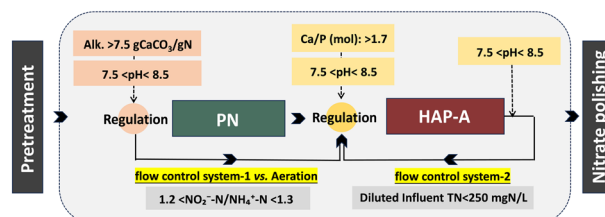
Cover
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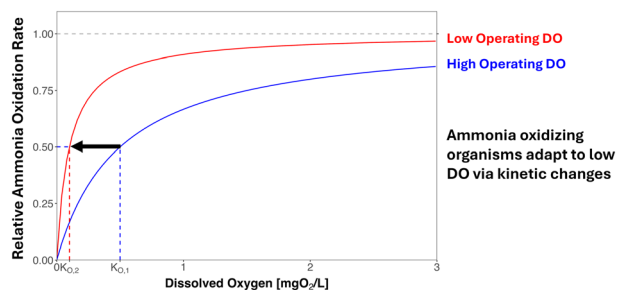
Ying Song, Lan Lin, Chao Rong and Yu-You Li*



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Ammonia oxidizer adaptation to low dissolved oxygen concentrations for biological nutrient removal – a review on oxygen affinity, dual- substrate limitation, and decay

Kester McCullough,* Charles B. Bott
and Peter A. Vanrolleghem



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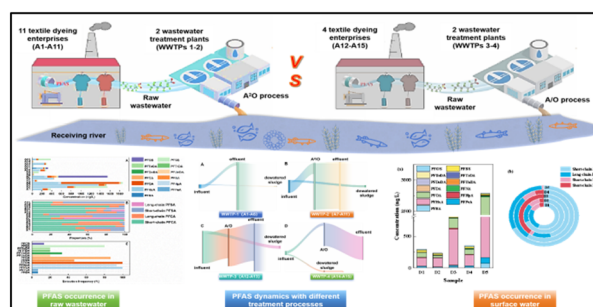
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New insights into the occurrence and fate of per- and polyfluoralkyl substances in textile dyeing wastewater along different treatment processes to receiving rivers

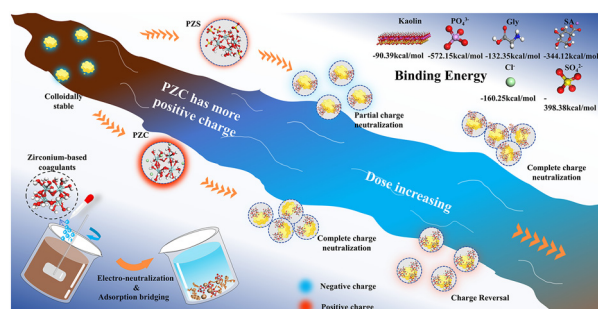
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Coagulation performance and mechanisms of polymeric zirconium coagulants: insights from integrated experiments and simulations

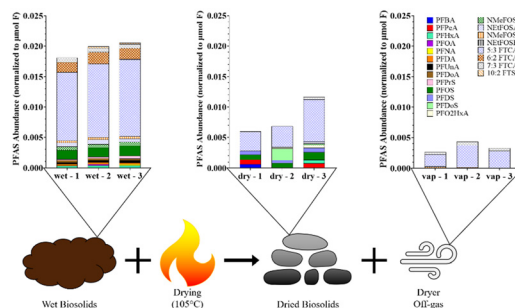
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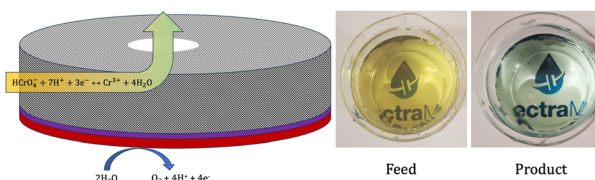
Jessica Calteux, Lynne Moss, Rosely Ayala, Aileen Baza, Zhongzhe Liu, Eric Redman, Taryn McKnight, Fabrizio Sabba, Leon Downing and Patrick McNamara*



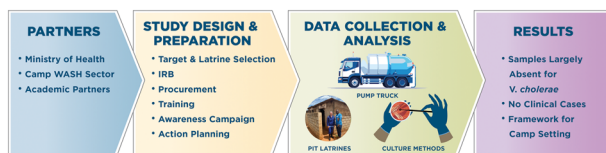
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Towards scalable electrochemical reduction cells for hexavalent chromium

Collin A. Dunn, Alan Rassoolkhani, Cameron Lippert and James Landon*



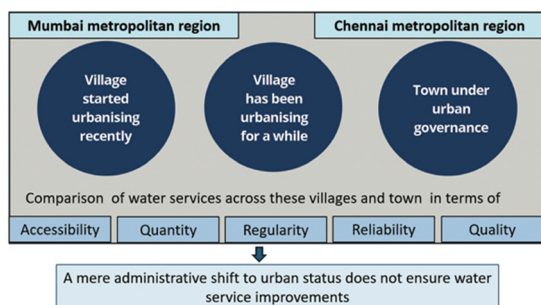
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Surveillance of *Vibrio cholerae* in a non-sewered sanitation refugee camp setting using culture methods: Dzaleka camp, Malawi

Brandie Banner Shackelford,* Petros Chigwechokha, Ernest Chilalika, Lucious Ziba, Christopher Misomali, Mphatso Kanjiru, Patrick Buleya, Ruth Lusungu Nyirenda, Marlene K. Wolfe and Rochelle H. Holm*

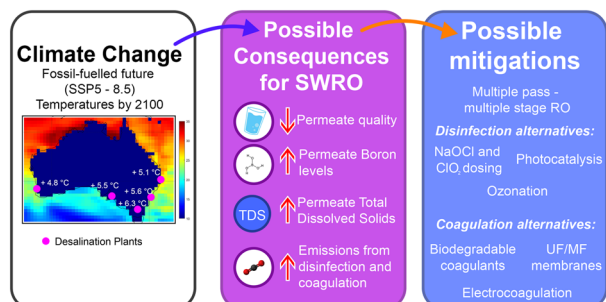
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Water service provision in rapidly urbanising villages: a comparison of rural and urban governance in Mumbai and Chennai regions in India

Renjitha Maniyil Haridasan,* Alison Parker and May Sule

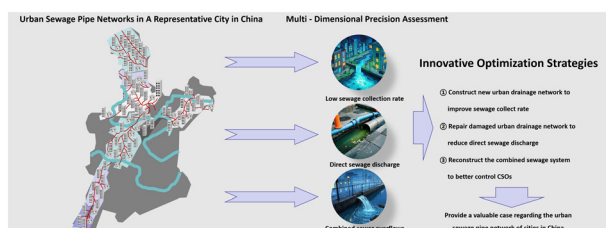
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Climate change effects on seawater reverse osmosis desalination: an Australian case study

Gustavo Leite Dias Pereira,* Jorge Paz-Ferreiro, José Luis Cortina, Abhijit Date and Veeriah Jegatheesan*

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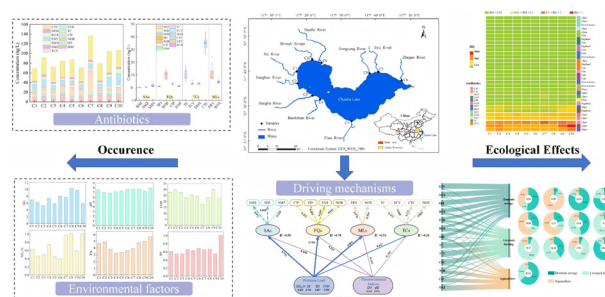
Weiqiang Rao, Zhenbei Wang, Chen Li, Junda Lai, Yunci Zhang, Lirong Zhao, Yujin Gan, Keke Zhao and Fei Qi*



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Ecological effects and multi-factor synergistic driving mechanisms of antibiotic mixtures in aquatic–terrestrial transition zones

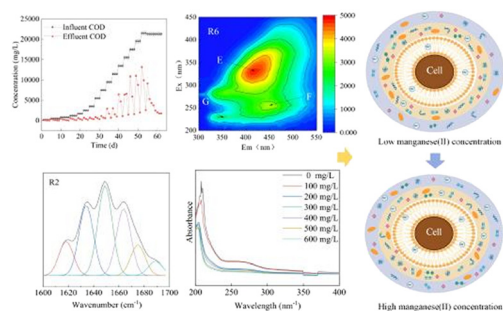
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Spectroscopic analysis of the interaction mechanism between manganese(II) and microbial extracellular polymeric substances in landfill leachate treatment

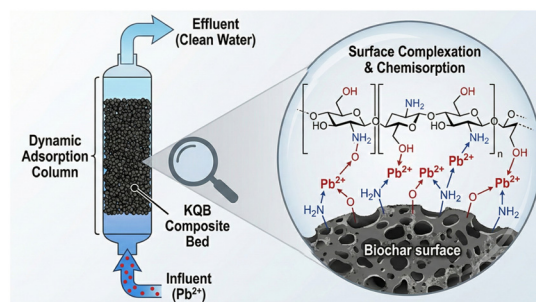
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A chitosan-modified buckwheat hull biochar dynamic adsorption column as a sustainable and efficient technology for lead-acid battery wastewater treatment

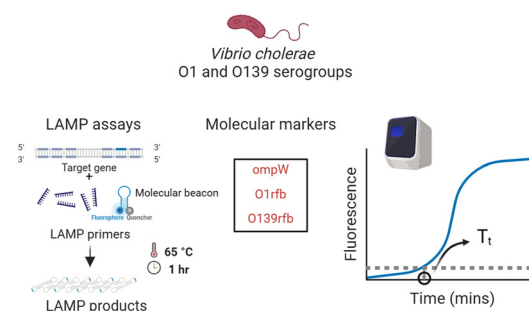
Jiayu Zhao, Qian Luo, Wenlong Zhao, Cong Li, Junyang Xiao, Junfeng Li* and Xuemei Zhu*



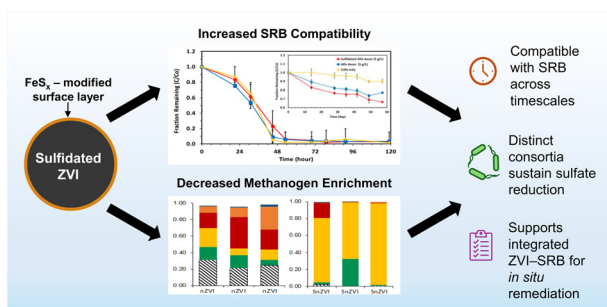
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Rapid and quantitative loop-mediated isothermal amplification (LAMP) assays for discriminatory detection of *Vibrio cholerae*

Seju Kang,* Meret Zimmermann, Michelle Reinhart and Timothy R. Julian*



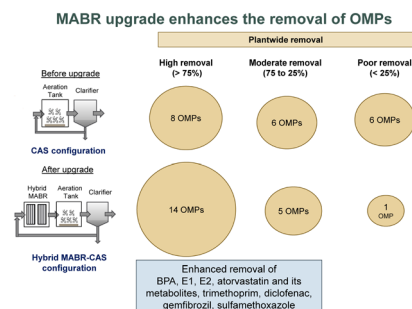
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Impact of ZVI and sulfidated ZVI on sulfate-reducing microbial communities and implications for groundwater remediation

Nofil Khan, Asef Redwan, Syful Islam, Lingfei Fan, Weile Yan and Kayleigh Millerick*

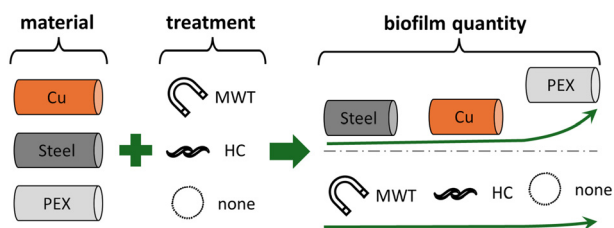
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Full-scale hybrid membrane aerated biofilm reactor (MABR) upgrade enhances the removal of organic micropollutants

Narasimman Lakshminarasimman,* Sondus Jamal, Leslie Bragg, Mark Servos and Wayne Parker*

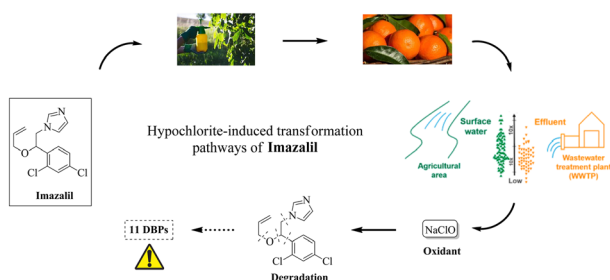
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Biofilm development, dynamics, and control in a pilot drinking water network with different pipe materials

Noora Salonen,* Kalle Salonen, Marko Suokas and Martti Latva

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Sodium hypochlorite oxidation of imazalil: mechanistic insights and byproduct profiling

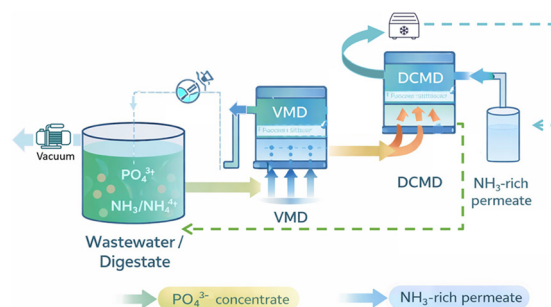
Armando Zarrelli*



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Nutrients recovery from wastewater using integrated vacuum and direct contact membrane distillation

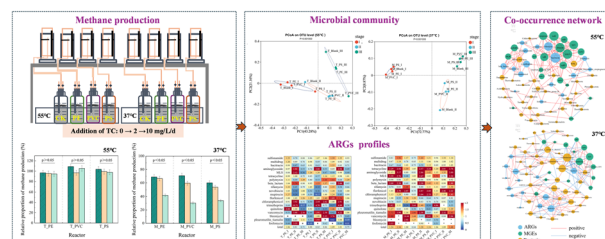
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The combined effects of microplastics and tetracycline on reactor performance and the fate of antibiotic resistance genes during the sludge anaerobic digestion

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