

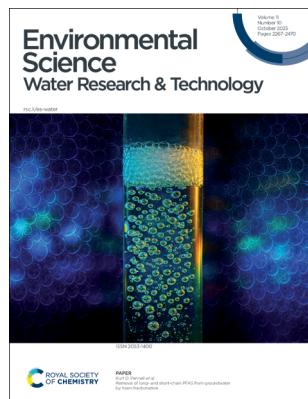
Environmental Science Water Research & Technology

rsc.li/es-water

The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

IN THIS ISSUE

ISSN 2053-1400 CODEN ESWRAR 11(10) 2267-2470 (2025)



Cover

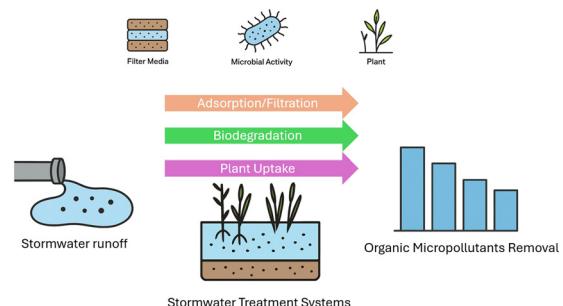
See Kurt D. Pennell et al.,
pp. 2295-2307.
Image reproduced by
permission of Craig Klevan
and Oren Van Allen from
*Environ. Sci.: Water Res.
Technol.*, 2025, **11**, 2295.

CRITICAL REVIEW

2274

Organic micropollutant removal in stormwater: a review of treatment performance

Zhaozhi Zheng, Baiqian Shi, David McCarthy,
Ana Deletic, Pierre Le-Clech, Stuart Khan,
Tim D. Fletcher, Marty Hancock and Kefeng Zhang*

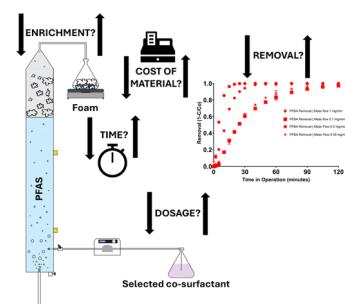


PAPERS

2295

Removal of long- and short-chain PFAS from groundwater by foam fractionation

Craig Klevan, Oren Van Allen, Kelly Mukai, Andre Gomes,
Shana Xia, Seth Caines, Matthew J. Woodcock
and Kurt D. Pennell*





Royal Society of Chemistry approved training courses

Explore your options.
Develop your skills.
Discover learning
that suits you.

**Courses in the classroom,
the lab, or online**

Find something for every
stage of your professional
development. Search our
database by:

- subject area
- location
- event type
- skill level

Members get at least 10% off

Visit rsc.li/cpd-training

**SAVE
10%**

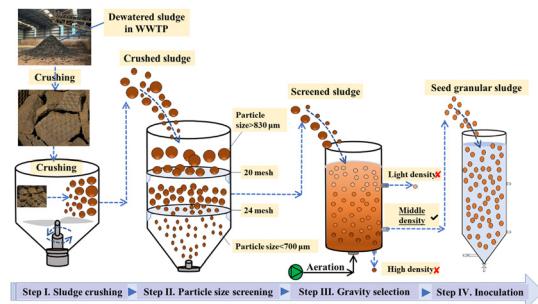


PAPERS

2308

The rapid start-up of AGS by inoculating seed granular sludge in treatment of industrial park wastewater: performance evaluation and structural characterization

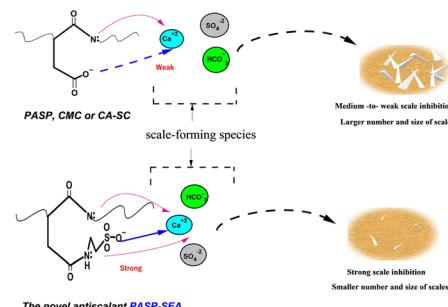
Huiping Li, Yaxian Li, Ting Zhou, Baiqin Zhou, Jianhua Yuan, Ranran Huo, Xiaoyan Xu, Huiqun Zhang, Li Xie, Dianhai Yang* and Weihai Pang*



2326

Novel eco-friendly antiscalant for major inorganic scaling control: laboratory tests and scale-up in a pilot RO unit

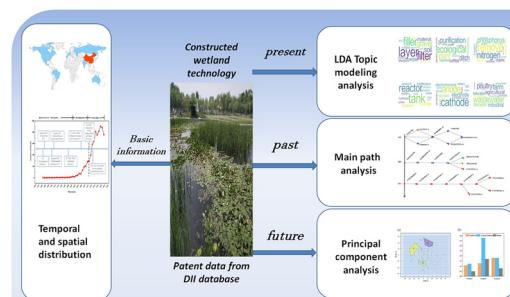
Saad S. M. Hassan, Mohamed Sobhi* and Belal N. Mahran



2343

Technological evolution of constructed wetlands: a big data patent analysis

Qian Cheng, Bo Wang,* Tianlong Hua, Haotian Xue, Jingyi Zhao and Penghui Li



2363

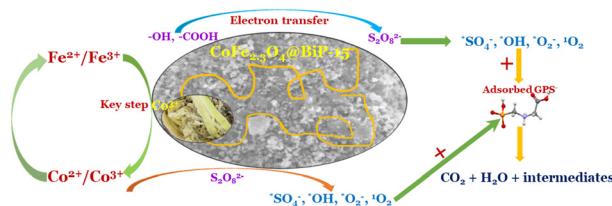
Impact of Al and Mn doping on the catalytic activity of magnetite spinel for sulfamethoxazole degradation: kinetics and toxicity assessment

B. Gokulakrishnan and G. Satishkumar*



PAPERS

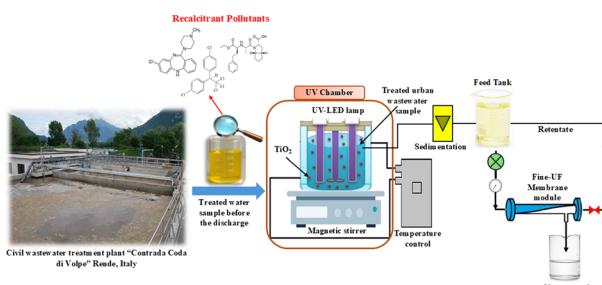
2378



Preparation of biopolymer-supported spinel cobalt ferrite with controlled composition as a peroxydisulfate activator for glyphosate-contaminated wastewater treatment

Minh Thanh Le, Thu Hien Nguyen and Lan Huong Nguyen*

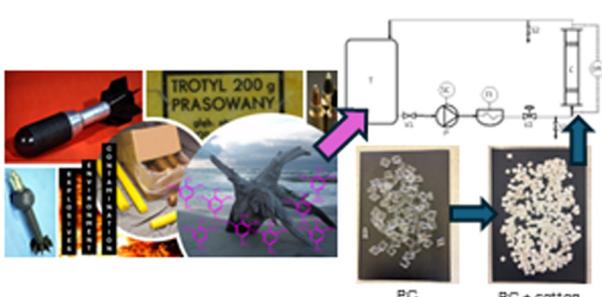
2398



Towards sustainable PMR for organic contaminant removal from municipal wastewater

Veronica Cozzolino, Gerardo Coppola, Sudip Chakraborty, Giovanni Chiappetta, Alessio Siciliano, Carlo Limonti, Giulia Maria Curcio, Catia Algieri* and Vincenza Calabro

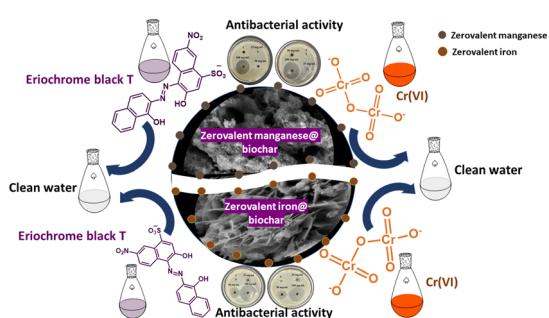
2412



Efficient preparation of adsorption beds from polycarbonate and cotton fabric wastes: removal of nitroaromatic pollutants from water

Tomaszewski Waldemar,* Krasiński Andrzej, Zybert Magdalena, Wieciński Piotr and Gołofit Tomasz

2427



Synthesis of zero valent Fe/Mn anchored *Alstonia scholaris* flower biochar for wastewater treatment and bactericidal application

Priyanka Priyadarshini Samal, Jhilirani Mohanta, Adrija Ghosh, Debashmita Mandal, Saumyashree Nayak, Banashree Dey, Dipankar Chattopadhyay and Soumen Dey*

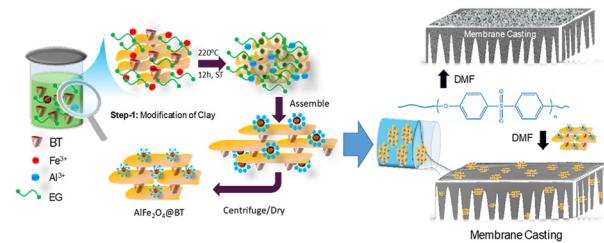


PAPERS

2445

Improving the wastewater treatment performance of loose nano-filtration membranes using natural clay functionalized with AlFe_2O_4 nanocleaners

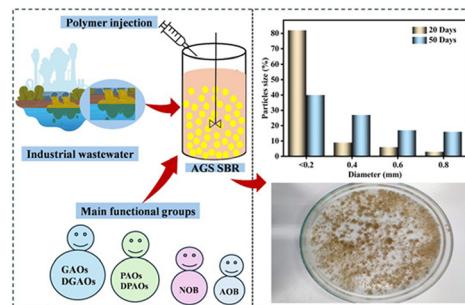
Ashok Shrishail Maraddi, Santrupthi Padival, Glenita Bridget D'Souza, Smitha Kamath, Anshu Kumar and S. K. Nataraj*



2458

The impact of cationic polymer dosage on aerobic granular sludge formation and system performance

Sajid Hussain,* Zulfiqar Ali Solangi and Gianni Andreottola



RETRACTION

2468

Retraction: Extraction of metal ions from water using a novel liquid membrane containing ZIF-8 nanoparticles, an ionic liquid, and benzo-18-crown-6

Arash Adhami,* Jafar Towfighi, Hamid Kazemzadeh and Vahid Kazemzadeh