

# Environmental Science: Advances

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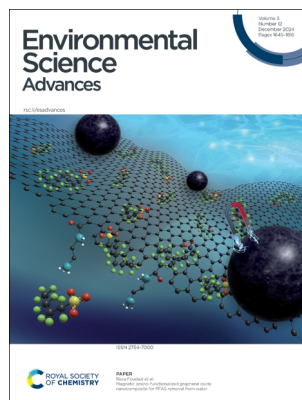
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**Cover**  
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**Inside cover**  
See Reza Foudazi *et al.*, pp. 1698–1713. Image reproduced by permission of Margarita Rodriguez from *Environ. Sci.: Adv.*, 2024, 3, 1698.

## TUTORIAL REVIEW

1652

### Microplastics analysis: from qualitative to quantitative

Meina Huang, Chunying Si, Chuntian Qiu\* and Guoqing Wang\*

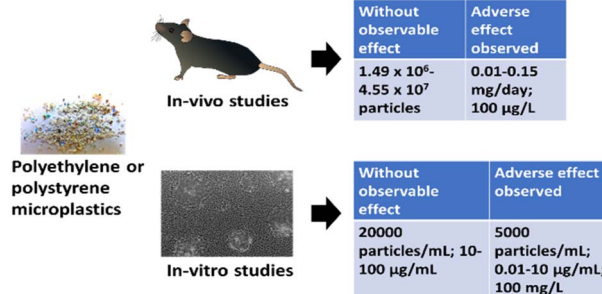


## CRITICAL REVIEWS

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### A review of the toxic effects of microplastics based on studies on mammals and mammalian cell lines

Kuok Ho Daniel Tang





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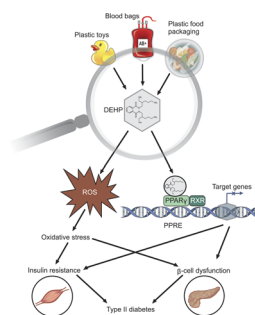


## CRITICAL REVIEWS

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**Di(2-ethylhexyl)phthalate and type 2 diabetes**

Sebolaishi Doris Makhubela,\* Ananias Hodi Kgopa, Matlou Phineas Mokgotho and Leshweni Jerry Shai

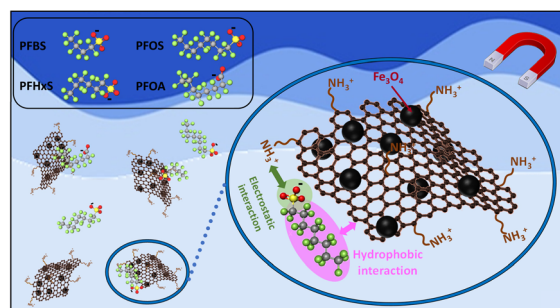


## PAPERS

1698

**Magnetic amino-functionalized graphene oxide nanocomposite for PFAS removal from water**

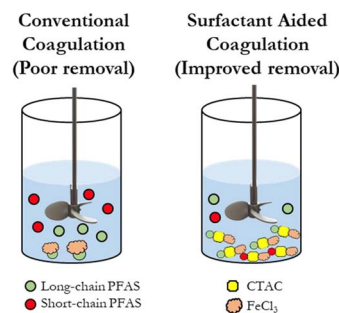
Shokouh Mahpishanian, Muchu Zhou and Reza Foudazi\*



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**Surfactant-enhanced coagulation and flocculation improves the removal of perfluoroalkyl substances from surface water**

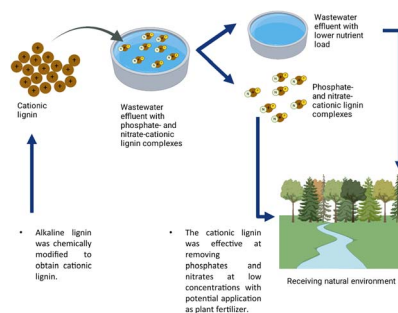
Amith Sadananda Maroli, Yi Zhang, Jonathan Lubiantoro and Arjun K. Venkatesan\*

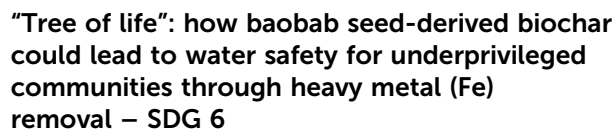


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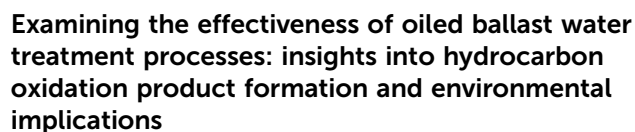
**Lignin cationization for the removal of phosphates and nitrates from effluents of wastewater treatment plants**

Fannyuy V. Kewir, Carlos E. Astete, Divine B. Nde, Jessica R. Eberhard, W. David Constant and Cristina M. Sabliov\*





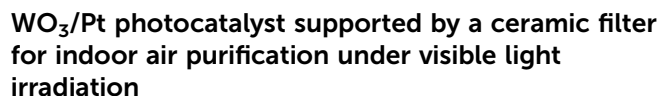
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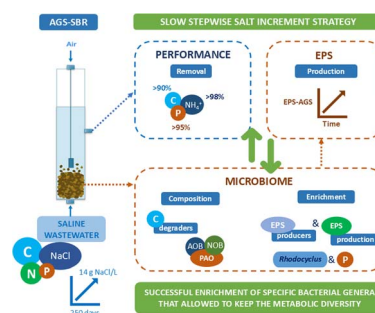


Sudipto Pal,\* Amruth Kaitheri, Sanosh Kunjalukkal  
Padmanabhan, Massimo Catalano, Stefano Perboni  
and Antonio Licciulli

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## Unravelling microbiome changes in aerobic granular sludge saline wastewater treatment using a slow stepwise salt increase strategy

Ana M. S. Paulo,\* Oihane Salazar, Joana Costa, Daniela P. Mesquita, Eugénio C. Ferreira, Paula M. L. Castro and Catarina L. Amorim



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## Cytotoxic and molecular effects of soil extracts from the Agbogbloshe electronic-waste site on fish and human cell lines

Krittika Mittal, Ke Xu, Jingyun Zheng, Stephane Bayen, Julius Fobil and Niladri Basu\*

