

Environmental Science: Advances

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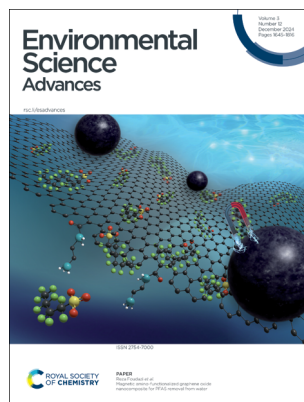
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Cover
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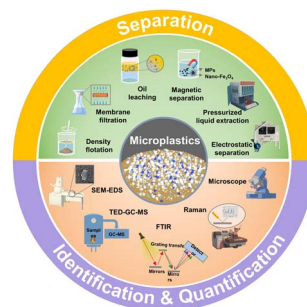
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See Reza Foudazi *et al.*, pp. 1698–1713. Image reproduced by permission of Margarita Rodriguez from *Environ. Sci.: Adv.*, 2024, 3, 1698.

TUTORIAL REVIEW

1652

Microplastics analysis: from qualitative to quantitative

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

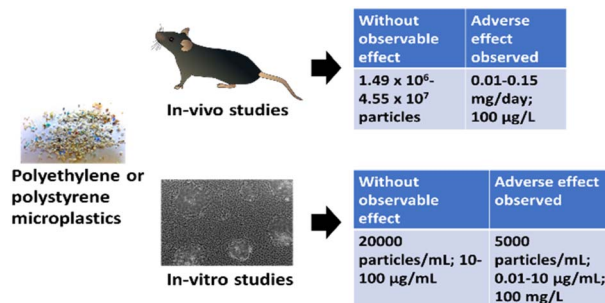


CRITICAL REVIEWS

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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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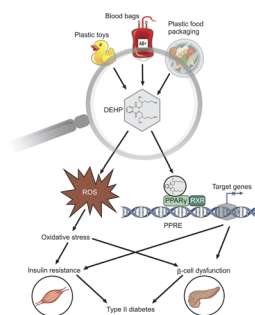
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CRITICAL REVIEWS

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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

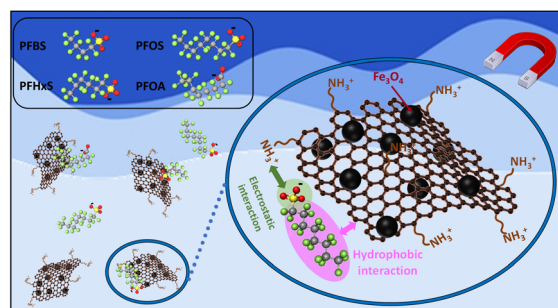


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Magnetic amino-functionalized graphene oxide nanocomposite for PFAS removal from water

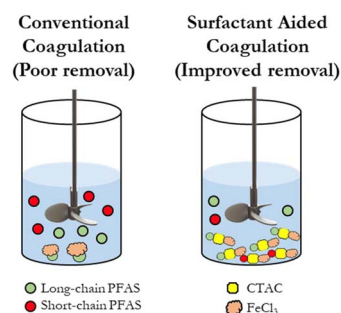
Shokouh Mahpishanian, Muchu Zhou and Reza Foudazi*



1714

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

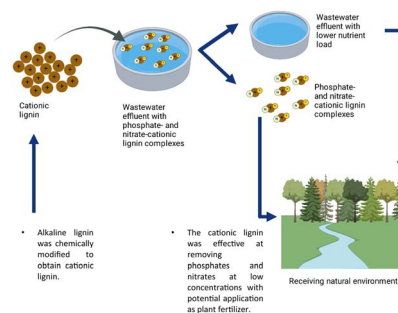
Amith Sadananda Maroli, Yi Zhang, Jonathan Lubiantoro and Arjun K. Venkatesan*



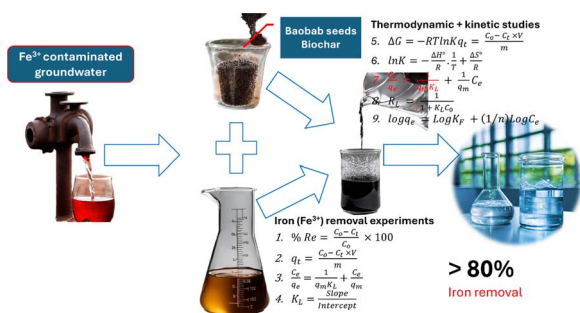
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Lignin cationization for the removal of phosphates and nitrates from effluents of wastewater treatment plants

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



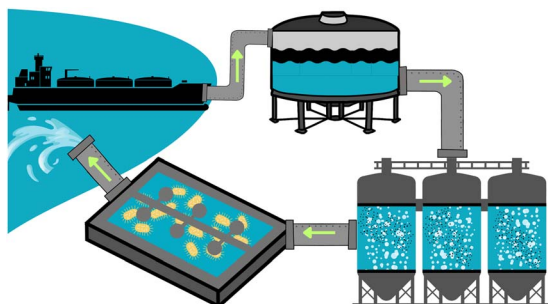
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“Tree of life”: how baobab seed-derived biochar could lead to water safety for underprivileged communities through heavy metal (Fe) removal – SDG 6

Magdalena J. Mkelemi, Grite N. Mwaijengo and Mwemezi J. Rwiza*

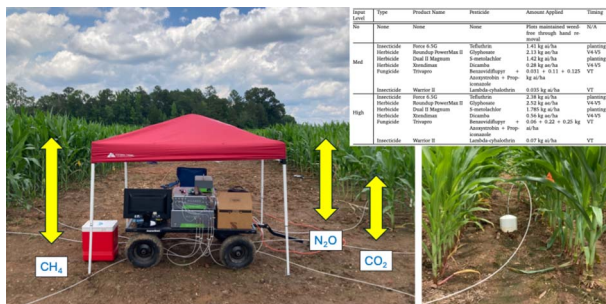
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Examining the effectiveness of oiled ballast water treatment processes: insights into hydrocarbon oxidation product formation and environmental implications

Maxwell L. Harsha,* Danielle E. Verna, Yanila Salas-Ortiz, Ed Osborn, Eduardo Turcios Valle, Aleksandar I. Goranov, Patrick G. Hatcher, Ana M. Aguilar-Islas, Patrick L. Tomco and David C. Podgorski

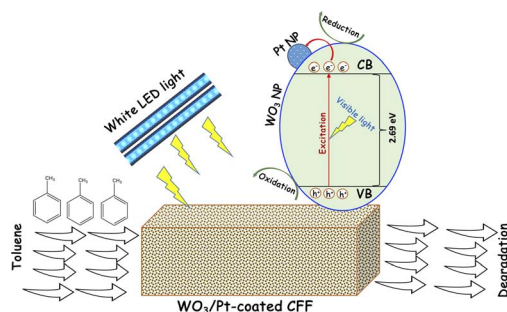
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Soil greenhouse gas fluxes in corn systems with varying agricultural practices and pesticide levels

Eri Saikawa,* Alexander Avramov, Nicholas Basinger, Jerzi Hood, Nandita Gaur, Aaron Thompson, Angela Moore, Douglas Wolf and Yaoxing Wu

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WO₃/Pt photocatalyst supported by a ceramic filter for indoor air purification under visible light irradiation

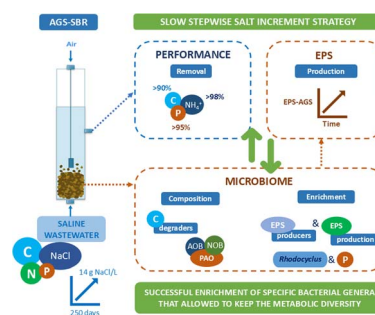
Sudipto Pal,* Amruth Kaitheri, Sanosh Kunjalukkal Padmanabhan, Massimo Catalano, Stefano Perboni and Antonio Licciulli



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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 Agbogboshie electronic-waste site on fish and human cell lines

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

