

# Environmental Science Processes & Impacts

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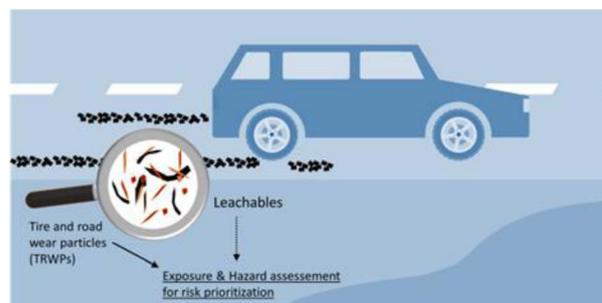
**Cover**  
See John Thomas, Natarajan Chandrasekaran *et al.*, pp. 2233–2251. Image reproduced by permission of Dr. N. Chandrasekaran from *Environ. Sci.: Processes Impacts*, 2025, 27, 2233.

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### Risk assessment of tire wear in the environment – a literature review

Kathrin Müller, Kenny Unice, Julie Panko, Benoît J. D. Ferrari, Florian Breider and Stephan Wagner\*

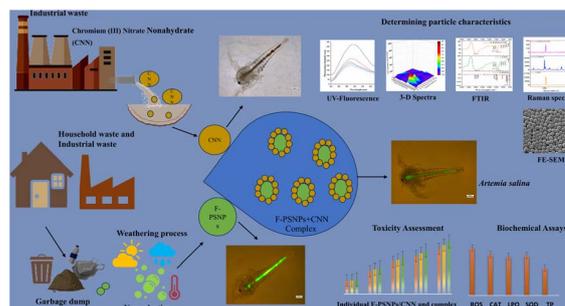


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Mahalakshmi Kamalakannan, John Thomas\* and Natarajan Chandrasekaran\*



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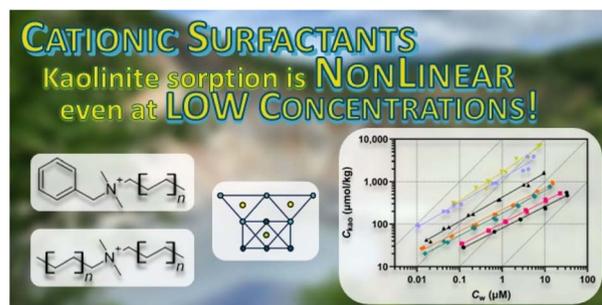
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### Kaolinite sorption isotherms of benzalkonium and dialkyldimethylammonium compounds under dilute conditions investigated by direct and passive sampling methods

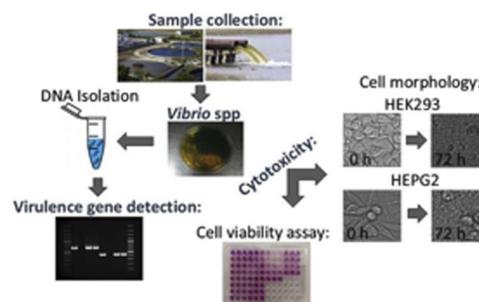
Satoshi Endo,\* Anh T. Ngoc Do, Sakura Yoshii, Masami K. Koshikawa and Sadao Matsuzawa



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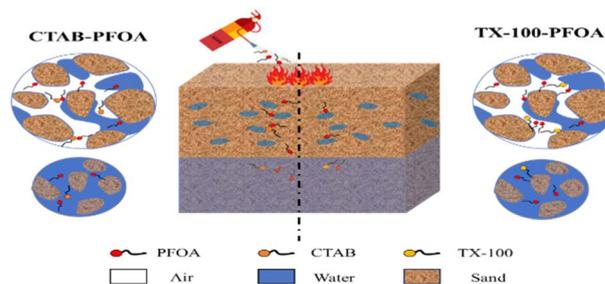
Kerisha Ramessar and Ademola O. Olaniran\*



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### Influence of cationic and nonionic hydrocarbon surfactants on the retention and transport of PFOA under saturated and unsaturated conditions

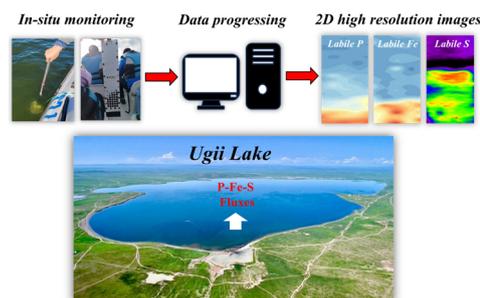
Tianhui Ji, Xiaohui Jin, Yifan Ji, Ni Yan,\* Zhilin Guo and Mark L. Brusseau



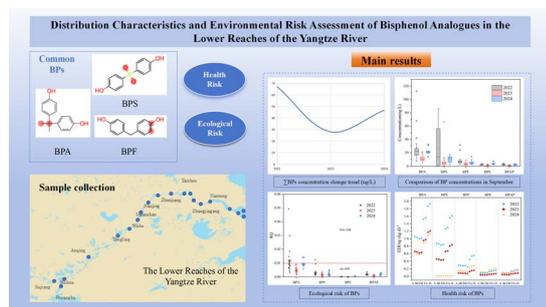
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### *In situ* high-resolution characterization of phosphorus–iron–sulfur dynamics across the sediment–water interface of a typical cold-arid lake (Ugii Lake, Mongolia)

Rui Wang, Xinyue Guo, Cheng Liu, Lei Zhang, Zhaode Wang, Batnyam Tseveengerel, Odsuren Batdelger, Narangerel Serdyanjiv and Chao Han\*



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### Distribution characteristics and environmental risk assessment of bisphenol analogues in the lower reaches of the Yangtze River

Wanyu Li, Wenxuan Ma, Jiajun Chang, Yao Xiao, Rui Wang, Zhiliang Zhu, Daqiang Yin, Yue Li and Yanling Qiu\*

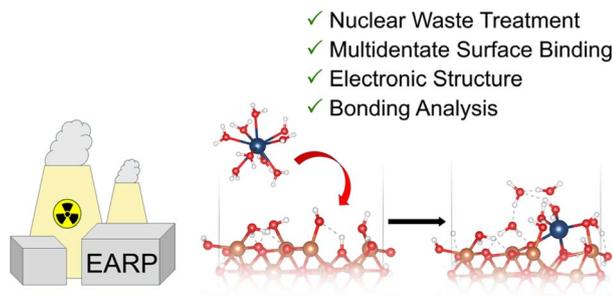
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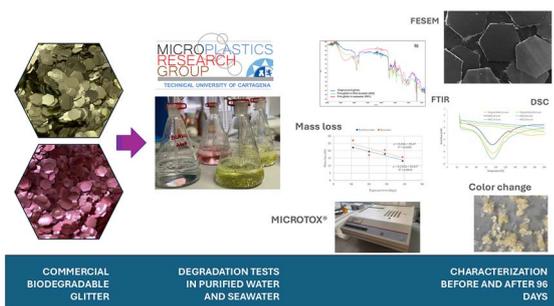
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### The interaction of Pu(IV) with low index ferrihydrite surfaces: a periodic boundary condition DFT study

Ryan L. Dempsey and Nikolas Kaltsoyannis\*

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### Characterization of commercial eco-glitters derived from modified regenerated cellulose after laboratory exposure in two aquatic media

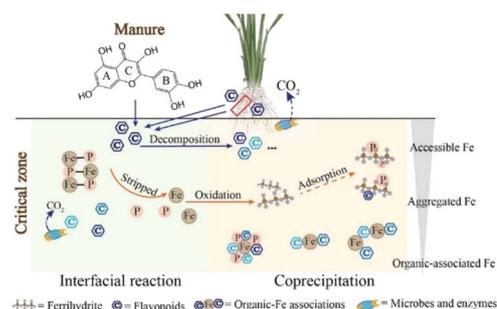
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## Molecular mechanism of flavonoid-induced iron oxide transformation and implication for phosphorus loss risk in paddy soils

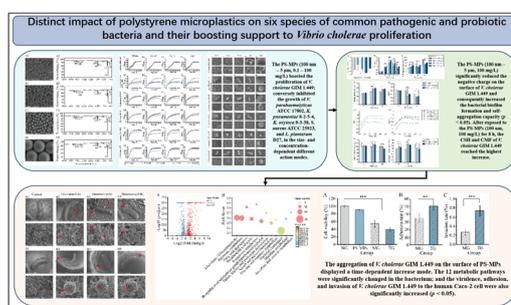
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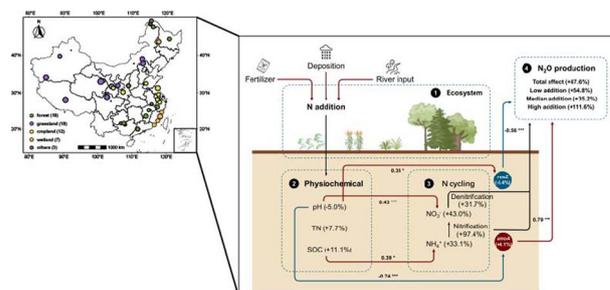
Tingting Gu, Yue Liu, Yongjie Wang, Huajun Zheng\* and Lanming Chen\*



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## Nitrification regulates the responses of soil nitrous oxide emissions to nitrogen addition in China: a meta-analysis from a gene perspective

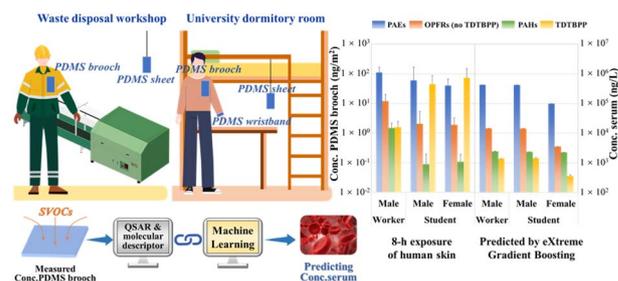
Zetao Dai, Yanglong Zhang, Yujie Li, Tao Xiang, Feifei Wang, Jiarui Peng, Shengchang Yang and Wenzhi Cao\*



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## From PDMS-based exposure profiling to machine learning-predicted serum concentrations: SVOC exposure disparities across occupational and environmental scenarios

Zihao Zhang, Yan Wang,\* Yubin Wu, Ruize Chen and Hongbo Zheng

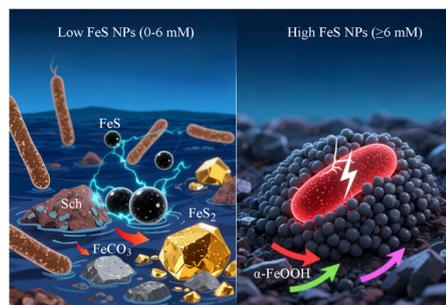




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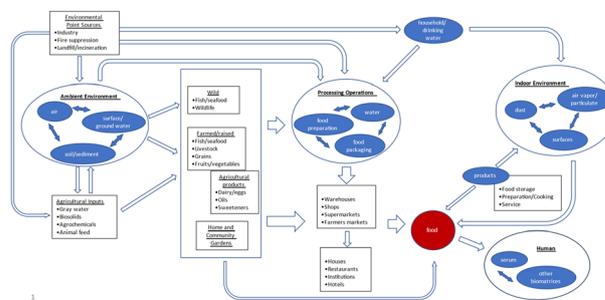
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### Evidence mapping and scoping review of pathways for potential dietary exposure to per- and poly-fluoroalkyl substances (PFAS)

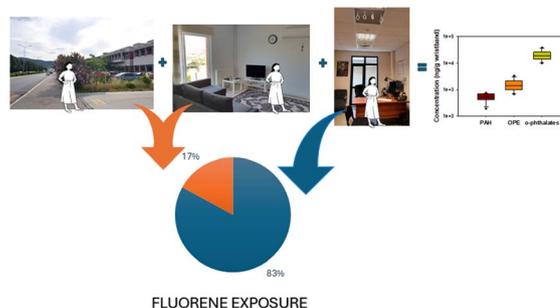
Lisa Jo Melnyk,\* Chris Holder, Jeanne Luh, Kent Thomas and Elaine A. Cohen Hubal



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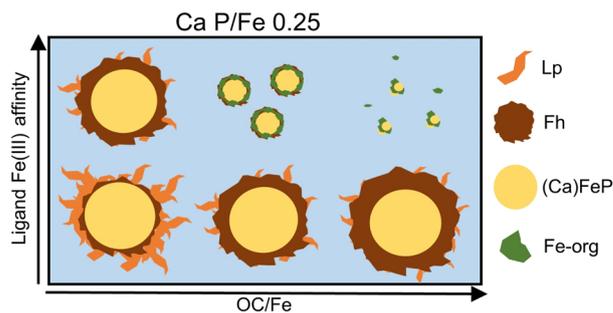
Zülfikar Akmermer and Hale Demirtepe\*



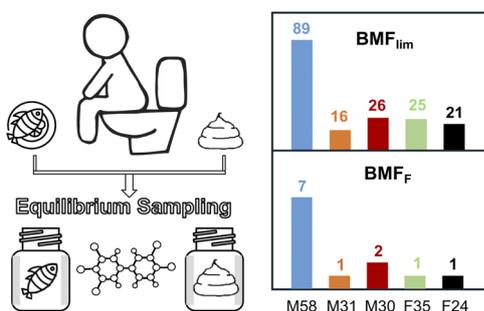
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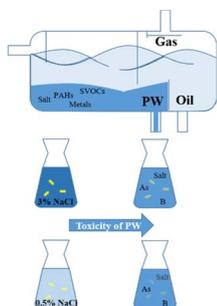
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Chen Shen,\* Lu Zheng, Lingling Li, Mingzhe Li, Yantian Zhang, Qiangzhi Guo, Anfeng Yu and Yuejie Wang\*

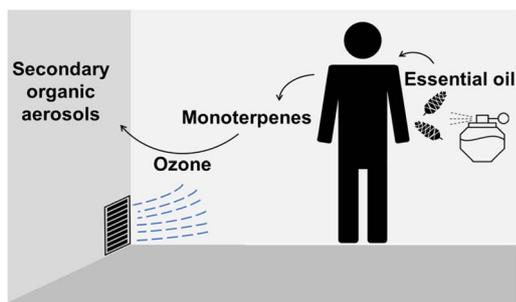
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### Analysis of indoor secondary organic aerosol formation near occupants in a classroom using computational fluid dynamics simulations

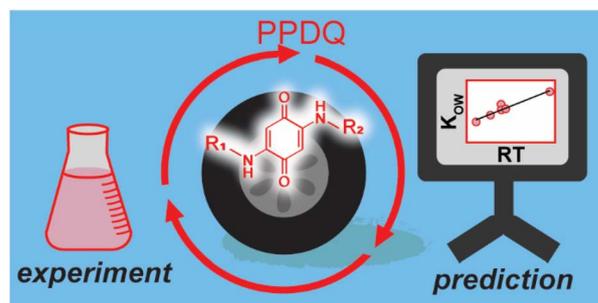
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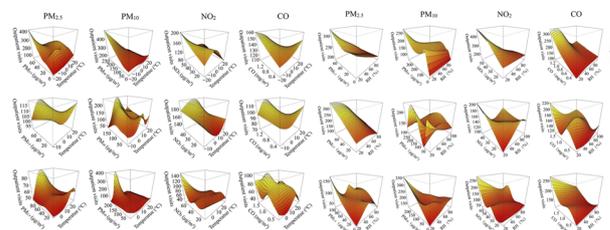
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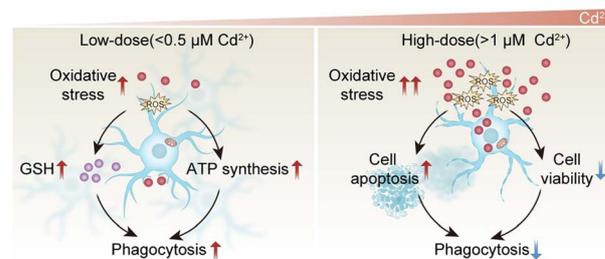
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