

Environmental Science Processes & Impacts

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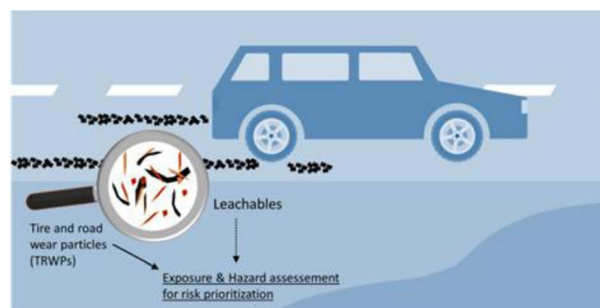
See John Thomas, Natarajan Chandrasekaran *et al.*, pp. 2233–2251. Image reproduced by permission of Dr. N. Chandrasekaran from *Environ. Sci.: Processes Impacts*, 2025, 27, 2233.

CRITICAL REVIEW

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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*

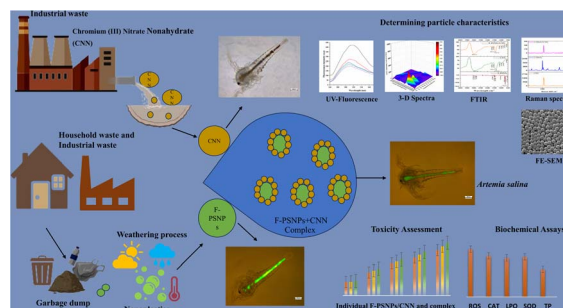


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Individual and combined toxicities of fluorescent polystyrene nanoplastics and chromium(III) nitrate nonahydrate in *Artemia salina*

Mahalakshmi Kamalakannan, John Thomas* and Natarajan Chandrasekaran*



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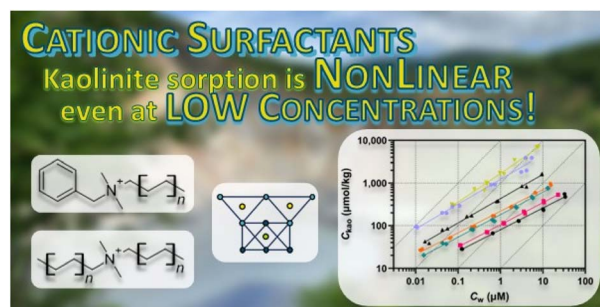
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Kaolinite sorption isotherms of benzalkonium and dialkyldimethylammonium compounds under dilute conditions investigated by direct and passive sampling methods

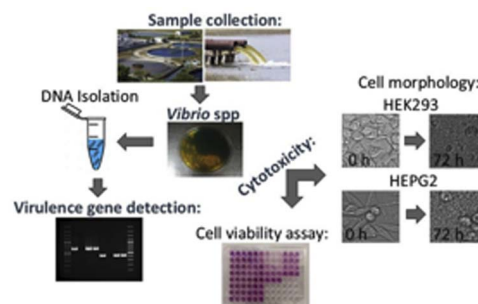
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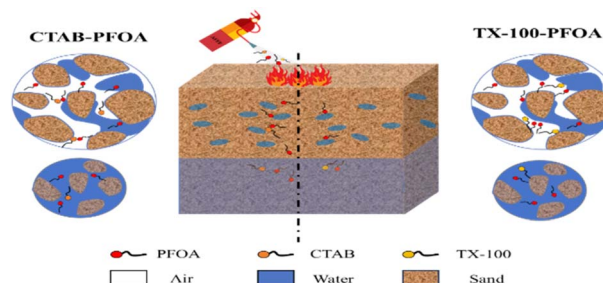
Kerisha Ramessar and Ademola O. Olaniran*



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

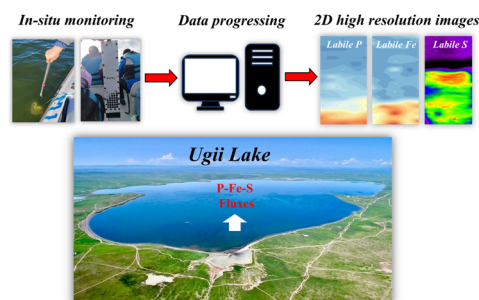
Tianhui Ji, Xiaohui Jin, Yifan Ji, Ni Yan,* Zhilin Guo and Mark L. Brusseau



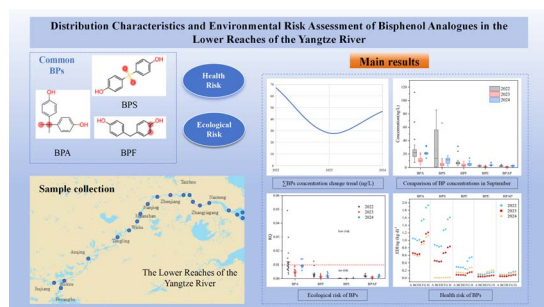
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Rui Wang, Xinyue Guo, Cheng Liu, Lei Zhang, Zhaode Wang, Batnyam Tseveengerel, Odsuren Batdelger, Narangerel Serdyanjiv and Chao Han*



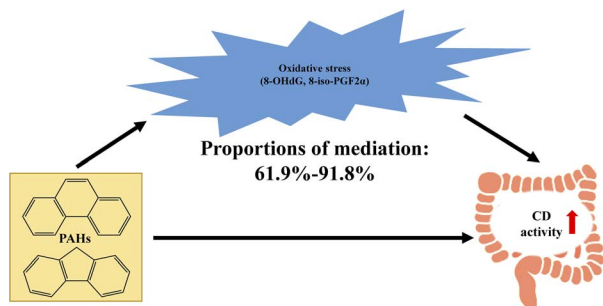
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Distribution characteristics and environmental risk assessment of bisphenol analogues in the lower reaches of the Yangtze River

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

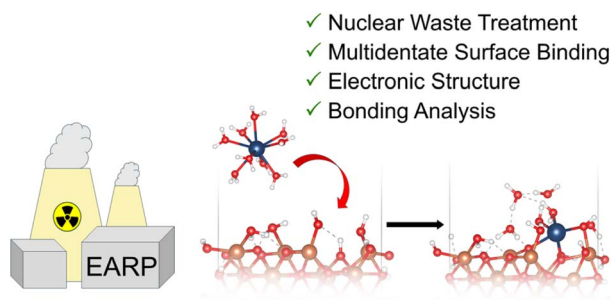
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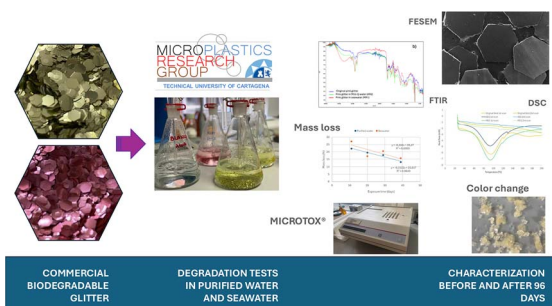
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Ryan L. Dempsey and Nikolas Kaltsoyannis*

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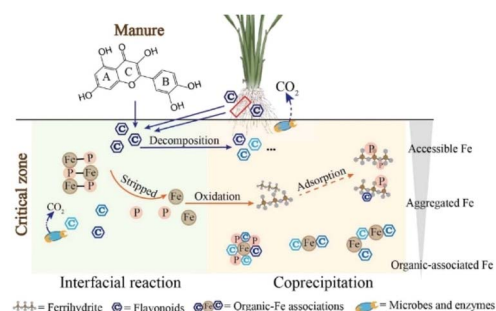
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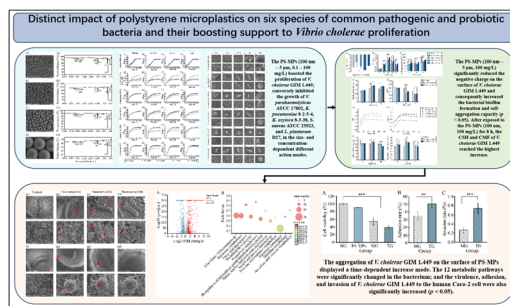
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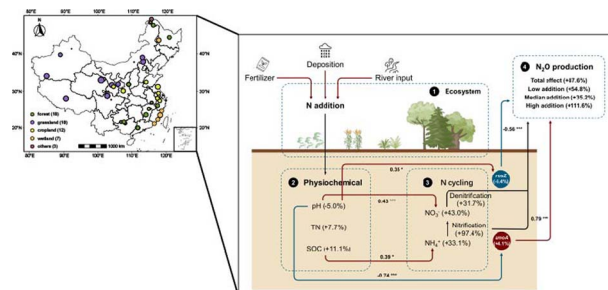
Tingting Gu, Yue Liu, Yongjie Wang, Huajun Zheng* and Lanming Chen*



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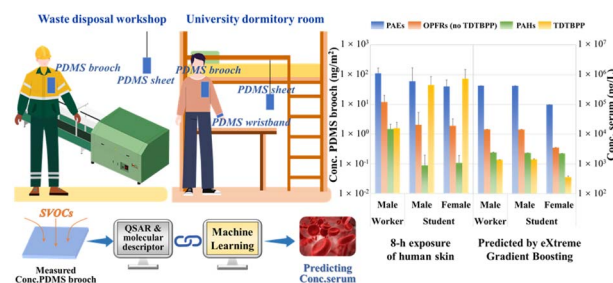
Zetao Dai, Yanglong Zhang, Yujie Li, Tao Xiang, Feifei Wang, Jiarui Peng, Shengchang Yang and Wenzhi Cao*



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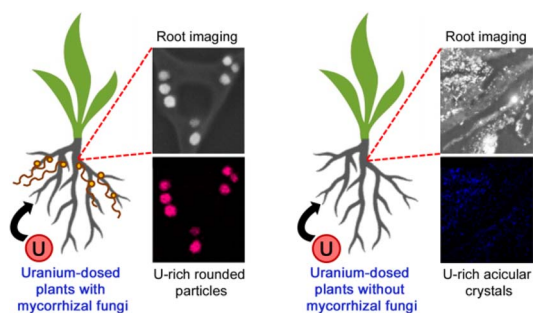
From PDMS-based exposure profiling to machine learning-predicted serum concentrations: SVOC exposure disparities across occupational and environmental scenarios

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



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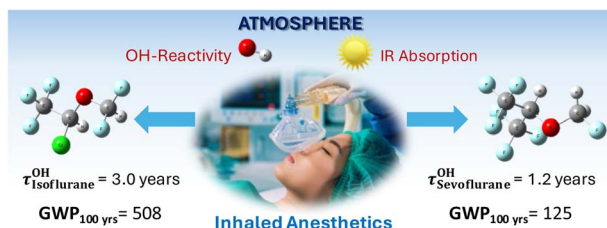
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Arbuscular mycorrhizal fungi influence the speciation and subcellular abundance of uranium in plant roots

James M. Dinsley,^{*} Kirstie Halsey, Eudri Venter, Miguel A. Gomez-Gonzalez, Katie L. Moore, Lorraine P. Field, Samuel Shaw, Clare H. Robinson and Jon K. Pittman^{*}

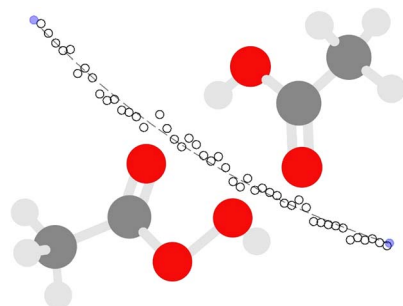
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Updated global warming potentials of inhaled halogenated anesthetics, isoflurane and sevoflurane from new temperature dependent OH-kinetics

Sara Espinosa, Francisco Martínez, María Antiñolo, Ole J. Nielsen and Elena Jiménez^{*}

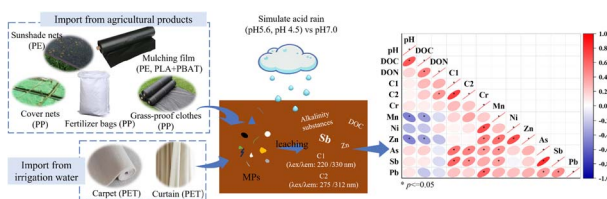
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Decay rate of gas-phase peracetic acid in a polyvinyl fluoride sample bag

Amos Doepke,^{*} Robert P. Streicher and Angela L. Stastny

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Microplastic leachates in farmland: impact of acid rain on DOM characteristics and metal release

Yinghui Xu, Yifan Mao, Xuzhi Li, Mei Li, Ting Guo, Haibo Zhang^{*} and Yimin Cai^{*}

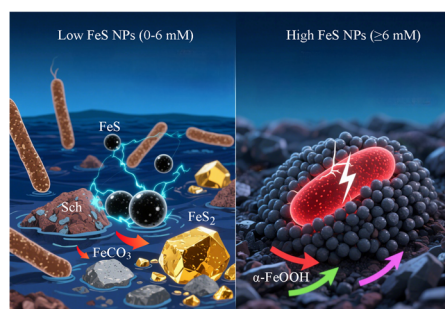


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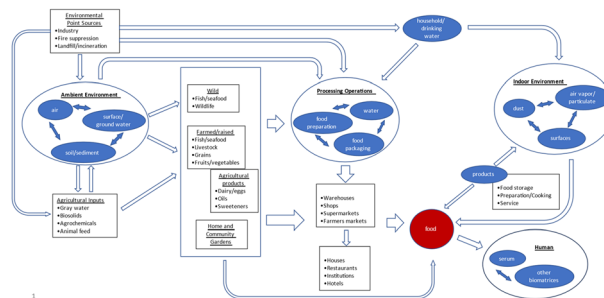
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Evidence mapping and scoping review of pathways for potential dietary exposure to per- and poly-fluoroalkyl substances (PFAS)

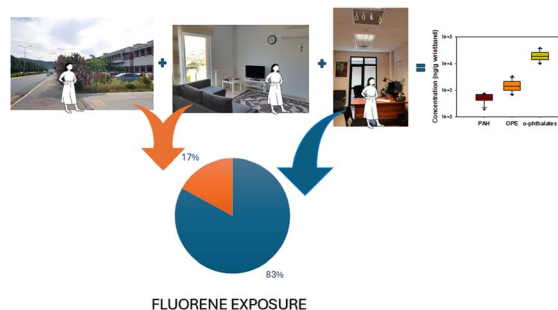
Lisa Jo Melnyk,* Chris Holder, Jeanne Luh, Kent Thomas and Elaine A. Cohen Hubal



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Understanding the role of a specific microenvironment in personal exposure to semi-volatile organic compounds using silicone wristbands

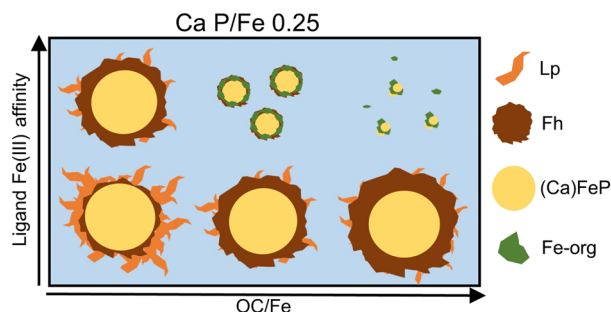
Zülfikar Akmermer and Hale Demirtepe*



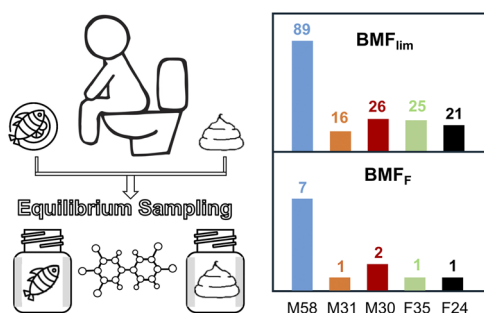
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Effects of organic ligands, phosphate and Ca on the structure and composition of Fe(III)-precipitates formed by Fe(II) oxidation at near-neutral pH

Ville V. Nenonen, Ralf Kaegi, Stephan J. Hug, Jörg Luster, Jörg Göttlicher, Stefan Mangold, Lenny H. E. Winkel and Andreas Voegelin*



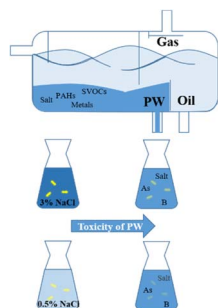
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Yuhao Chen, Terrence H. Bell, Ying Duan Lei and Frank Wania*

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

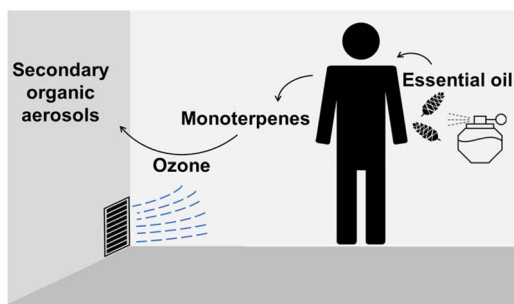
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Analysis of indoor secondary organic aerosol formation near occupants in a classroom using computational fluid dynamics simulations

Suwhan Yee, Youngbo Won, Bryan Cummings, Michael Waring, William P. Bahnfleth and Donghyun Rim*

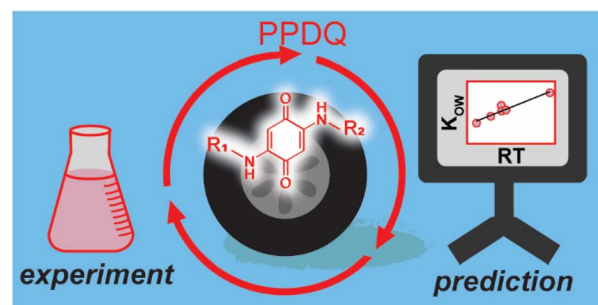


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Physicochemical properties of tire-derived *para*-phenylenediamine quinones – a comparison of experimental and computational approaches

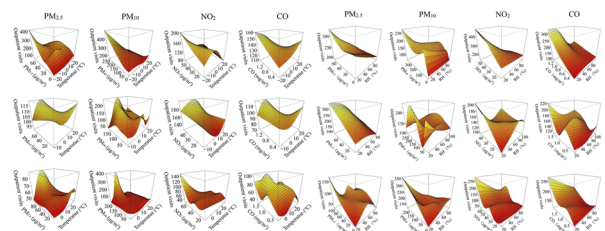
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Analysis of the effects of air pollutants and meteorological factors on upper respiratory tract infection outpatients in Gansu Province

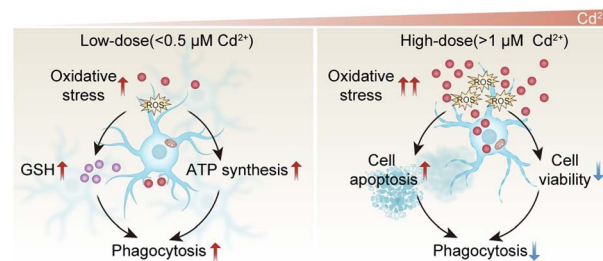
Hongran Ma, Furong Qu, Jiyuan Dong* and Jiancheng Wang



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Dual role of reactive oxygen species in the effects of cadmium on microglial survival and phagocytosis

Longtao Zhu, Xin Li, Siqi Yu, Lizheng Huang, Siqi Chen, Zhiheng Zheng* and Liling Su*



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