Environmental Science Processes & Impacts

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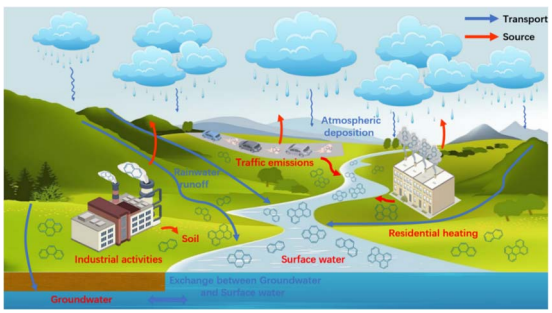
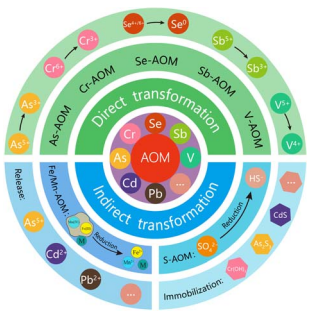
Cover
See Leon P. Barron *et al.*, pp. 42–55. Image reproduced by permission of Dr Alexandra Richardson and Prof. Leon Barron from *Environ. Sci.: Processes Impacts*, 2026, **28**, 42.

CRITICAL REVIEWS





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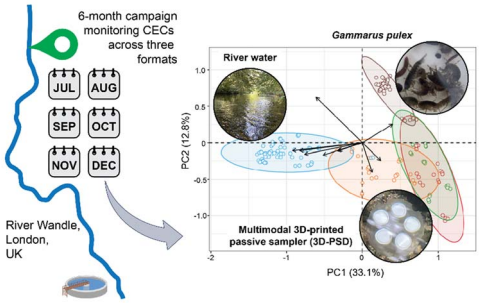

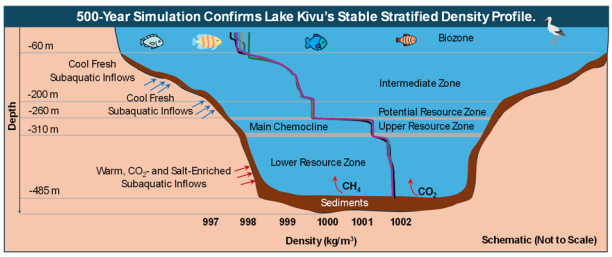

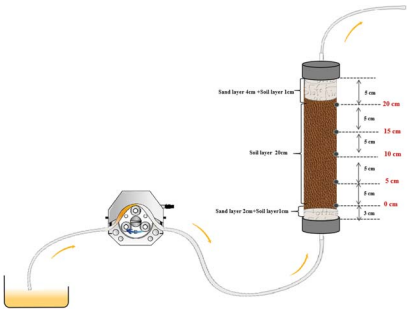

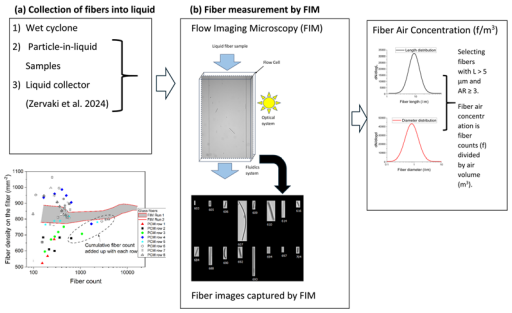

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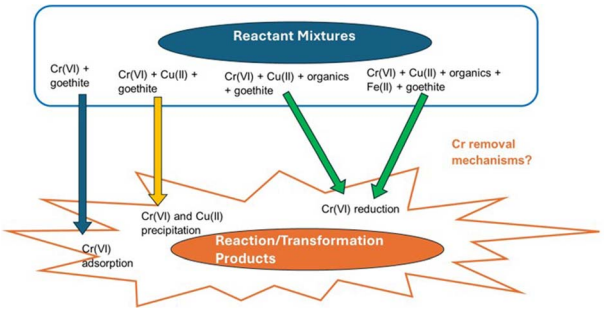

Heterogeneous reactions control Cr(VI) release and sequestration in complex chemical mixtures of Cr, Fe, Cu, and organics

Noah Jemison,* Angelica Benavidez, Michael Spilde, Angelica Saenz Trevizo, Adrian Brearley, Juan Lezama Pacheco, Drew Latta, Kaelin Gagnon, Stephen Emeanuwa, Fernando Garzon, Stephen Cabaniss, Peter Lichtner, Abdul-Mehdi Ali and José M. Cerrato*

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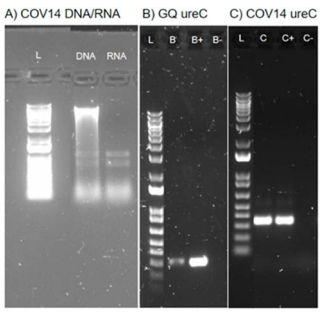

Feasibility of microbial-induced calcite precipitation in soils polluted by hydrocarbons

Carla Comadran-Casas,* Philip J. Salter, Ayo Ogundero, Fabien Cholet, Victor Barridor Giadom, William T. Sloan, Cindy J. Smith, Adrian M. Bass, John MacDonald, Cise Unluer and Caroline Gauchotte-Lindsay*

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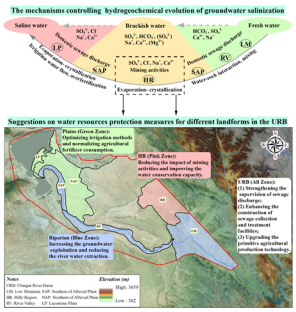

Sources, geochemical characteristics, and control mechanisms of groundwater salinity: a case study of the Ulungur River Basin in northwest China

Chenyang Tian and Hua Tian*

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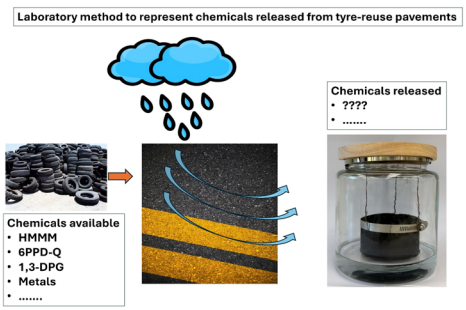

A novel method for assessing chemical leaching from surface water–pavement interactions applied to recycled-tyre reuse products

Prashant Srivastava,* Mitzi Bolton, Naomi J. Boxall, Sonia Mayakaduwage, Avanthi Igalavithana, John L. Rayner and Greg B. Davis

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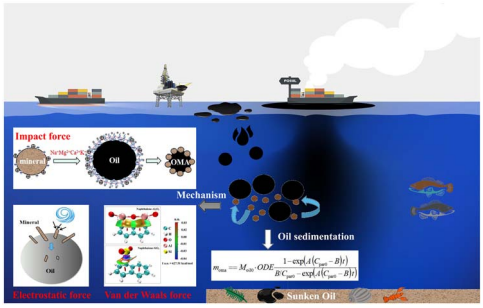

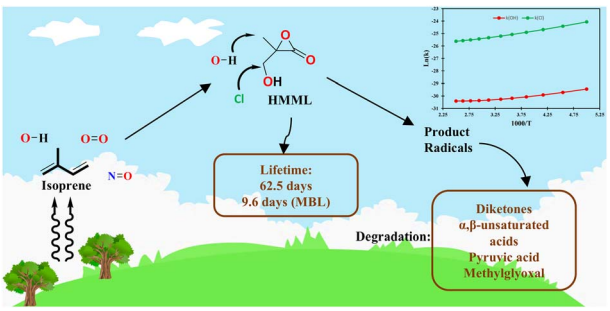

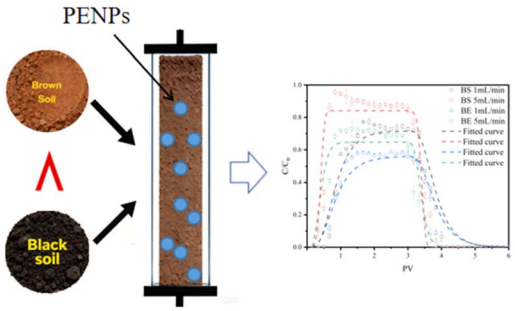

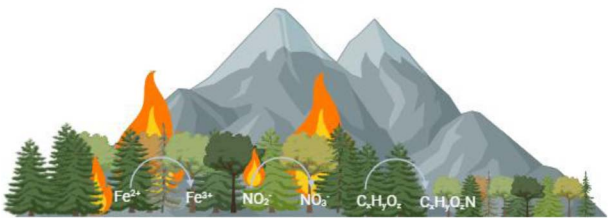

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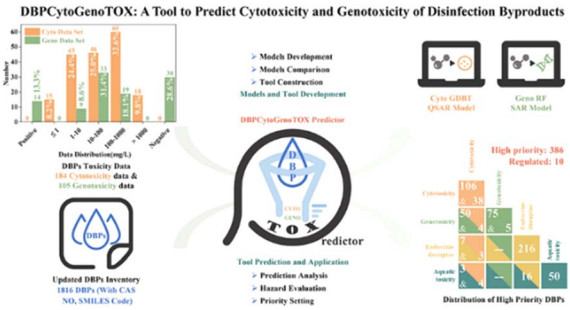

Development of models and a tool (DBPCytoGenoTOX Predictor) for predicting the cytotoxicity and genotoxicity of disinfection byproducts

M. Y. Liu, H. H. Liu and X. H. Yang*

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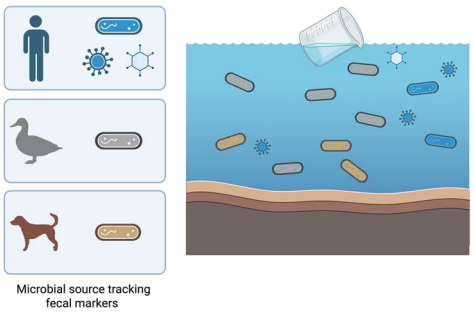

Occurrence of novel human tomato brown rugose fruit virus and conventional microbial source tracking genetic markers in a Hawaiian coupled stream-beach system

Sarah A. Lowry, Adam Diedrich, Ella Lum, Orin C. Shanks and Alexandria B. Boehm*

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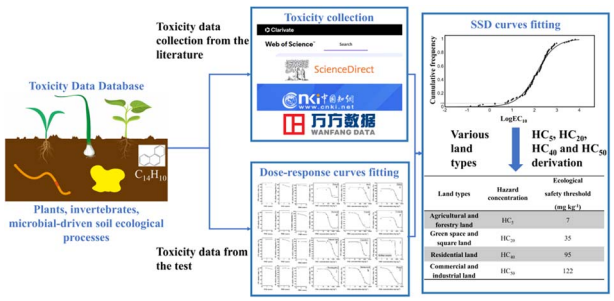

Ecological safety thresholds for phenanthrene in Chinese soils: implications for assessing ecological risks to vegetation and for land use

Jiahui Zhu, Qian Yang, Jiawei Wang, Xuke Wang, Shuilin Zhu and Xinhua Zhan*

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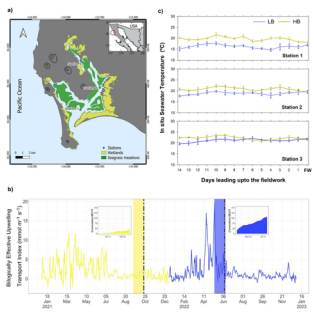

Regulation of ammonium loss under contrasting upwelling conditions: sensitivity of Feammox to environmental drivers

Guillermo Samperio-Ramos,* Oscar Hernández-Sánchez, Jorge A. Velásquez-Aristizábal, Víctor F. Camacho-Ibar, Silvia Pajares, Aaron Gutiérrez, Ariadna Aldrich and Francisco J. Cervantes

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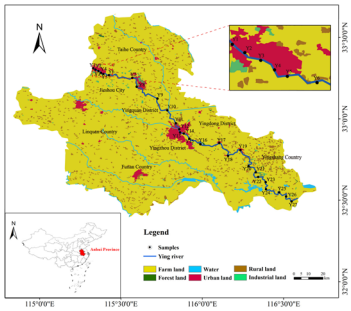

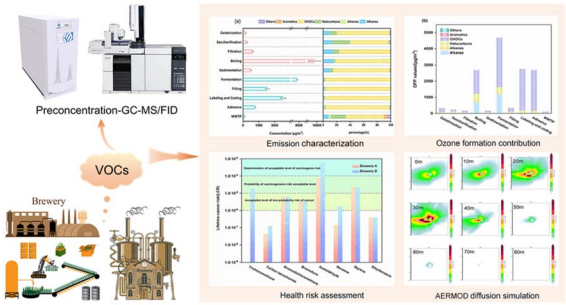

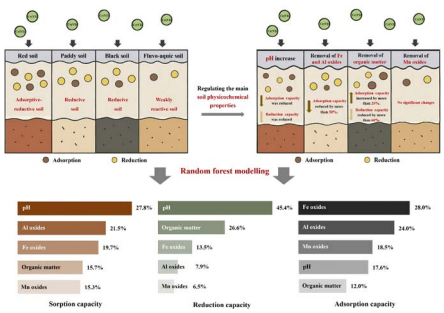

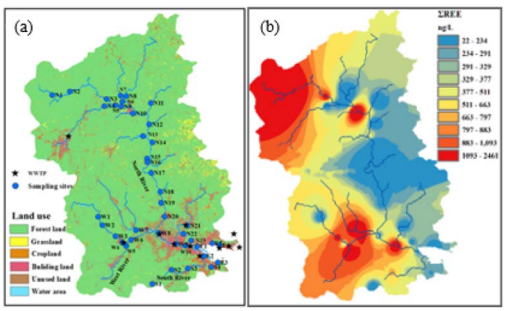

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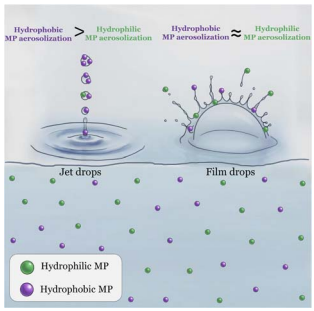

Effect of wettability on microplastic aerosolization *via* film and jet drops ejected from bursting bubbles

Nishan Pokhrel and Hosein Foroutan*

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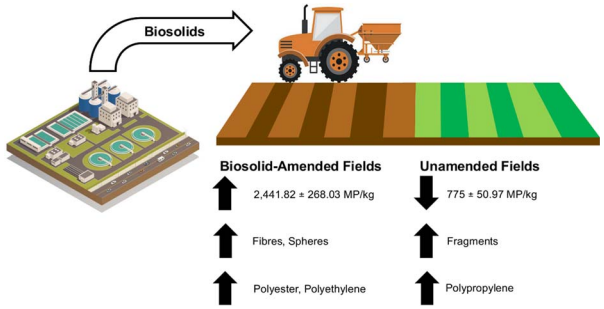

Comparing the microplastic content in biosolid-amended and non-amended agricultural soils

Nicholas V. Letwin, Adam W. Gillespie, Joel D. Csajaghy, Yaryna M. Kudla, Moira M. Ijzerman and Ryan S. Prosser*

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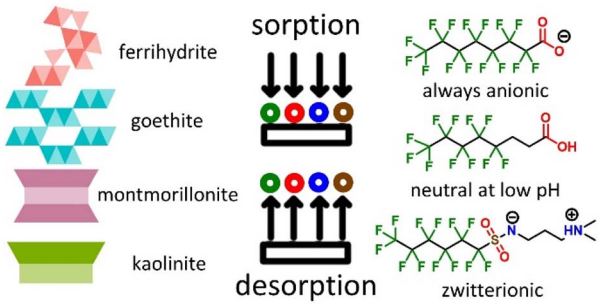

Sorption and desorption of per- and polyfluoroalkyl substances (PFASs) on unmodified iron oxide and silica clay minerals

Susannah Powell, Hongyi Ban, Yi Sang, Daewon Kim, Phillip J. Milner, Matthew Reid and Damian E. Helbling*

CORRECTION

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Correction: The sinking behavior of micro–nano particulate matter for bisphenol analogues in the surface water of an ecological demonstration zone, China

Yuanfei Cai, Jinghua Ren, Zijian You, Jianchao Liu,* Guanghua Lu, Yiping Li and Junfeng Li