

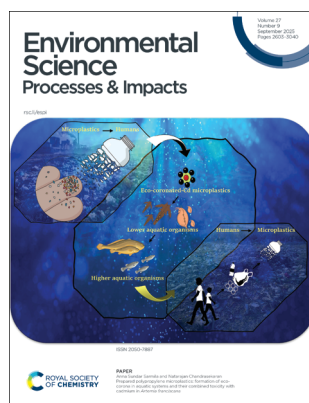
Environmental Science Processes & Impacts

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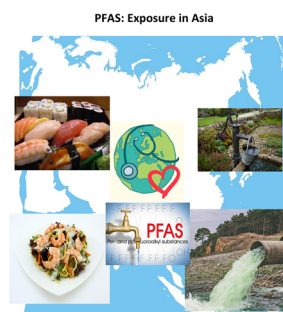
See Anna Sundar Sarmila and Natarajan Chandrasekaran, pp. 2655–2672. Image reproduced by permission of Natarajan Chandrasekaran from *Environ. Sci.: Processes Impacts*, 2025, 27, 2655. Image created with Biorender.com.

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Human exposure to per- and poly-fluoroalkyl substances (PFAS) in Asia and contributing factors, with a focus on East Asia

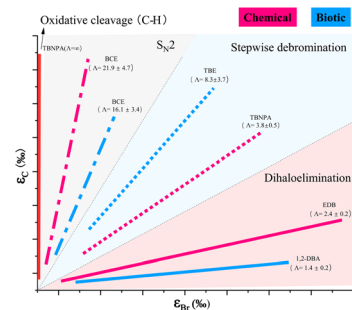
Rai S. Kookana,* Bo Sha, Jobriell C. Baluyot, Karl C. Bowles, Melanie Kah, Lokesh P. Padhye, Guang G. Ying, Divina Navarro, Michael C. Velarde, Christopher P. Higgins and Ian T. Cousins*



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Haoyu Zeng, Songsong Chen,* Xiao Liu, Weiwei Zhang, Ying Liu, Yongzhi Wang and Limin Ma*



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Fundamental questions
Elemental answers

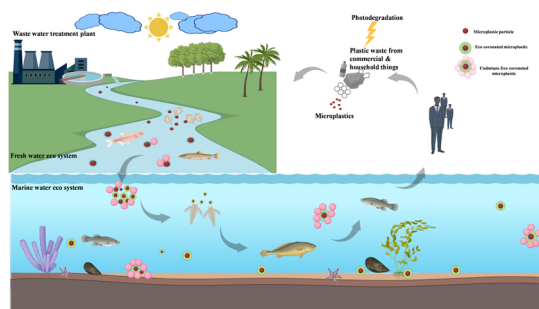


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Prepared polypropylene microplastics: formation of eco-corona in aquatic systems and their combined toxicity with cadmium in *Artemia franciscana*

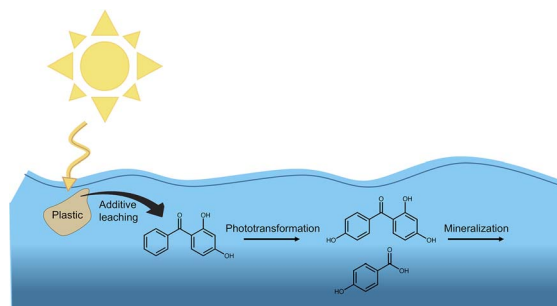
Anna Sundar Sarmila and Natarajan Chandrasekaran*



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Emerging investigator series: release and phototransformation of benzophenone additives from polystyrene plastics exposed to sunlight

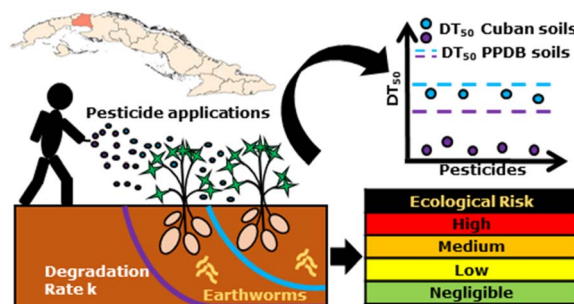
Casey Smith, D. Howard Fairbrother and Carsten Prasse*



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Extended pesticide soil monitoring in Cuban potato (*Solanum tuberosum* L.) production: residue co-occurrence, dissipation rates, ecological risks, and implications

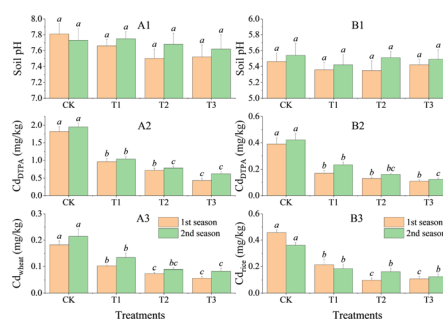
Brizeidi Peña, Isabel Hilber, Dayana Sosa,* Arturo C. Escobar and Thomas D. Bucheli*



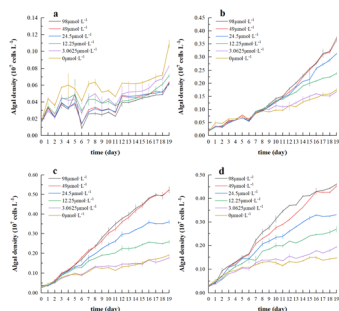
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Miao Wang, Xusheng Gao, Xilin Chen, Yifei Shu, Qingqing Huang, Lin Wang, Xu Qin, Yuebing Sun, Yujie Zhao and Xuefeng Liang*



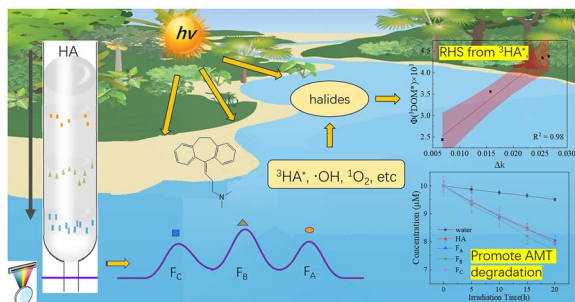
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Explosive mechanism of red jets *Heterosigma akashiwo* and *Chaetoceros mulleri* under different culture conditions

Weijie Pan, Meilin Wu* and Hui Zhao*

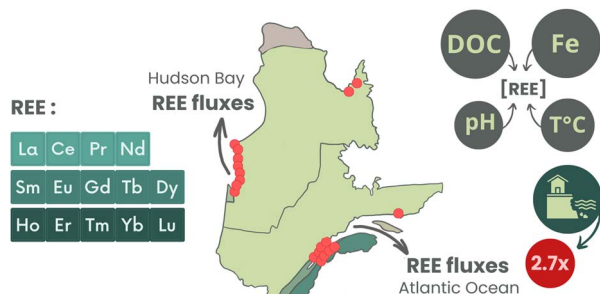
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Fractionation of humic acid and its effects on the photodegradation of amitriptyline in water

Li Zhiwen, Liu Hui,* Li Tie, Ou Xiaoxia, Wang Kaixuan and Sun Bing

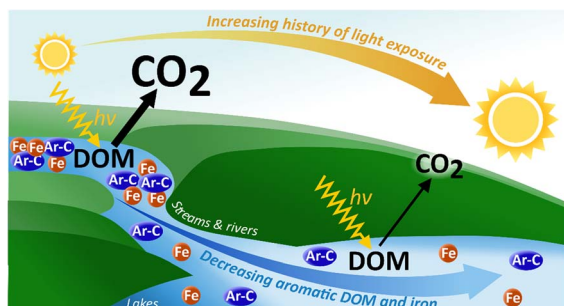
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Drivers and riverine fluxes of rare earth elements to coastal ecosystems across temperate, boreal, and subarctic ecoregions in Eastern Canada

Marie-Christine Lafrenière, Md Samrat Alam, Jean-François Lapierre, Dominic E. Ponton, Maxime Wauthy, Caroline Fink-Mercier, Holly Marginson, Paul del Giorgio and Marc Amyot*

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Controls on the apparent quantum yield for photomineralization of dissolved organic matter in arctic freshwaters

Emma C. Rieb, Catherine A. Polik, George W. Kling and Rose M. Cory*



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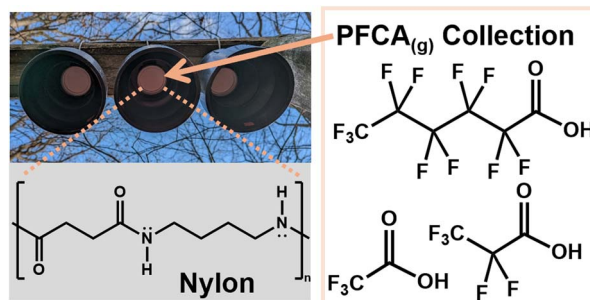
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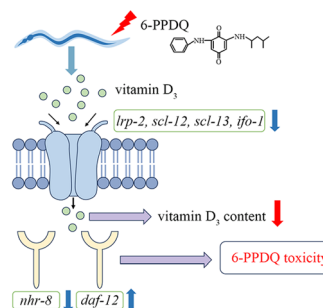
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Environmentally relevant concentrations of 6-PPDQ disrupt vitamin D3 adsorption and receptor function in *Caenorhabditis elegans*

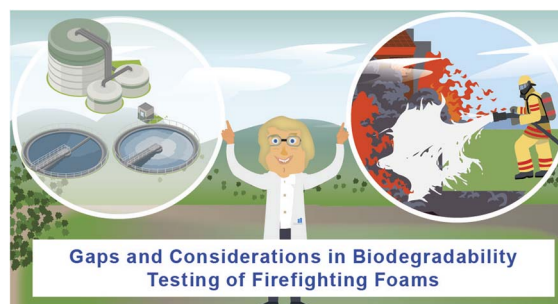
Jingwei Wu, Liane Li, Dayu Hu, Ran Liu, Qian Bian and Dayong Wang*



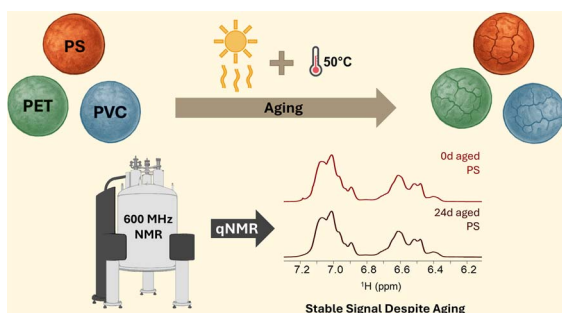
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Fluorine-free foams exhibit incomplete aerobic and anaerobic biodegradation, create redox-specific byproducts and shift microbial communities

Michael Penrose, Mahsa Modiri, Vicente Gomez-Alvarez, Hodon Ryu, Mallikarjuna N. Nadagouda and Mohamed Ateia*



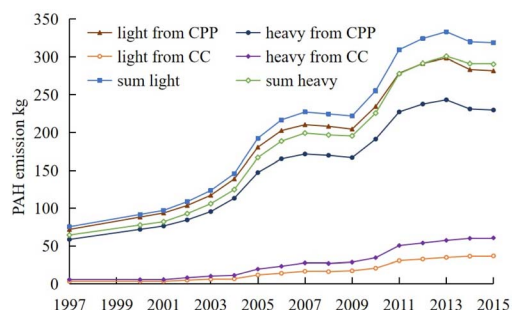
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Overcoming the challenge of quantifying aged microplastic by qNMR spectroscopy

Julia Schmidt,* Marte Haave and Wei Wang

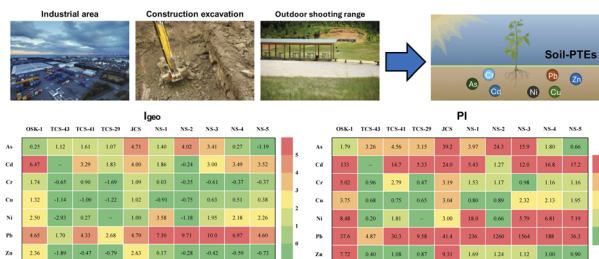
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Historical input and sources of polycyclic aromatic hydrocarbons in aquatic sediments

Aili Li,* Bingni Zhang, Jin Zhang and Christoph Schüth

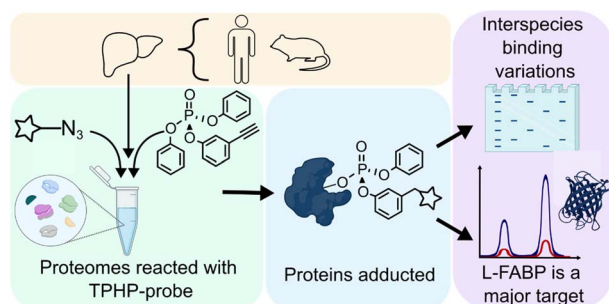
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Integrating pollution indices and Monte Carlo simulation for a comprehensive risk assessment of potentially toxic elements in soils

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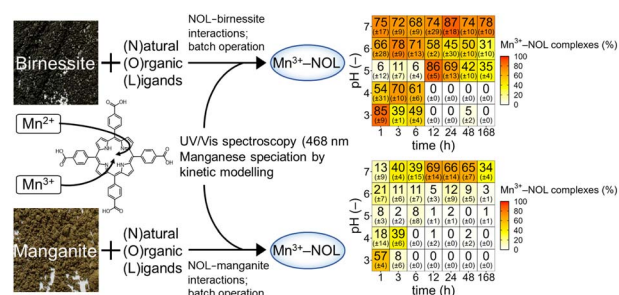
Chemical proteomics reveals human liver fatty acid binding protein as a predominant and selective target of triphenyl phosphate

Jolie Miller, Jiajun Han, Diwen Yang, Miriam L. Diamond, Runzeng Liu* and Hui Peng*



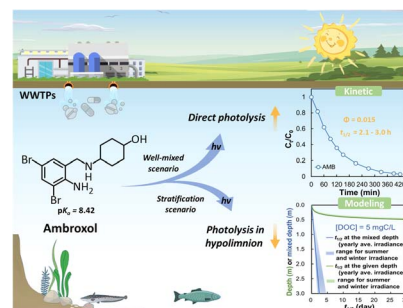
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Dissolved trivalent manganese in forest soils – interactions of natural organic ligands with manganese oxides

Constantin Lux,^{*} Kristian Ufer and Tim Mansfeldt

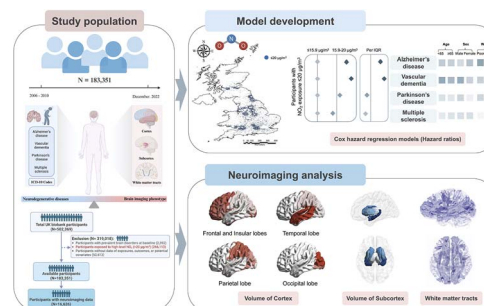
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Natural sunlight-driven phototransformation of the expectorant drug ambroxol in freshwaters

Ying Zhang, Xiaoci Li, Jing Chen, Lei Zhou, Mingbao Feng, Jean-Marc Chovelon and Yuefei Ji^{*}

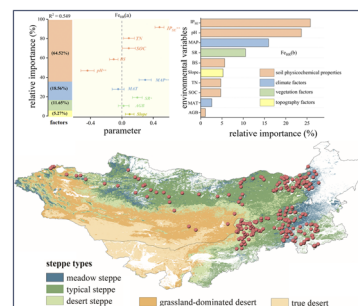
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Long-term exposure to low-level nitrogen dioxide and risks of neurodegenerative diseases among middle-aged and older adults in the UK

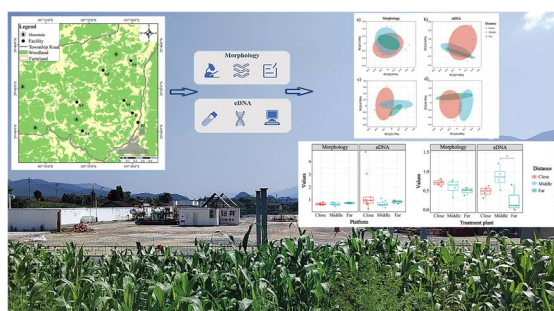
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Fractionation and mechanism of Fe in the mineral-associated soil fraction from the Mongolian Plateau grasslands

Zhihao Wang, Jin-E Wei, Yuanqing Tang,^{*} Yangzheng Liu, Rong Wei and Changwei Lü^{*}

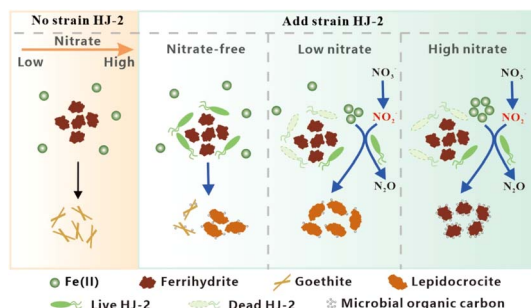
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Limited but localized: geochemical and biodiversity impacts of shale gas extraction on soil ecosystems

Shangbo Zhou, Yiyao Li, Xicheng Jin, Shuchan Peng, Changqian Miu, Daijun Zhang and Peili Lu*

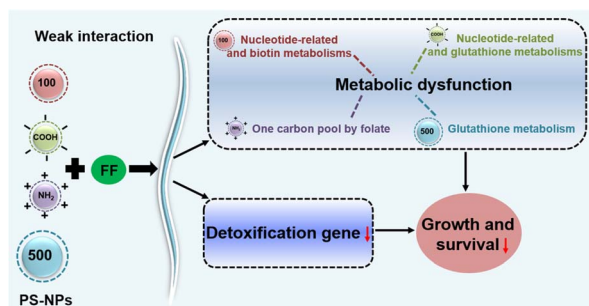
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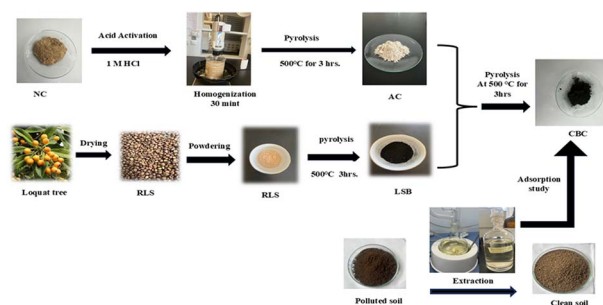


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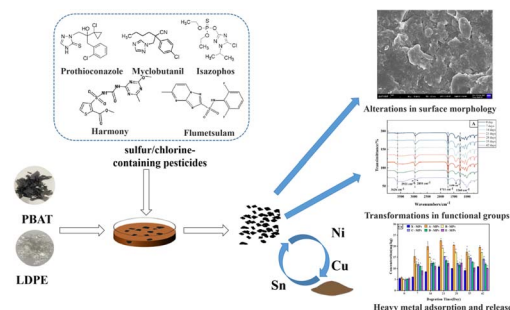
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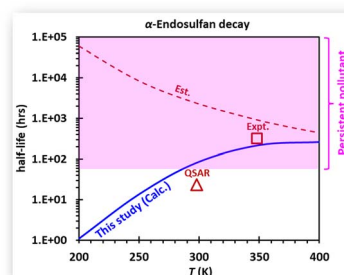
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Evan Renck and Heejung Jung*

