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Environmental Science Processes & Impacts

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ISSN 2050-7887 CODEN ESPICZ 26(1) 1–210 (2024)

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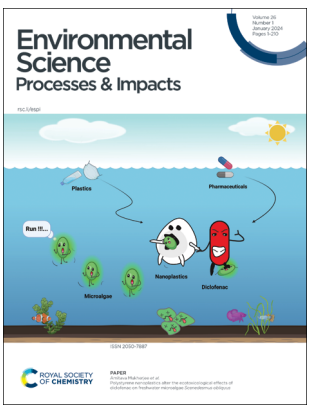

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See Amitava Mukherjee *et al.*, pp. 56–70. Image reproduced by permission of Amitava Mukherjee from *Environ. Sci.: Processes Impacts*, 2024, **26**, 56.

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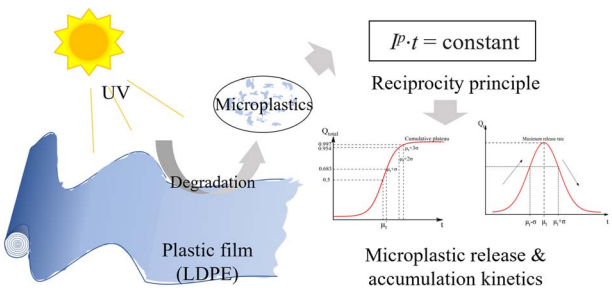
The reciprocity principle in mulch film deterioration and microplastic generation

Runhao Bai, Zhen Li, Qin Liu, Qi Liu, Jixiao Cui* and Wenqing He*



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Red tides in the Galician rías: historical overview, ecological impact, and future monitoring strategies

Rodríguez F.,* Escalera L., Reguera B., Nogueira E., Bode A., Ruiz-Villarreal M., Rossignoli A. E., Ben-Gigirey B., Rey V. and Fraga S.

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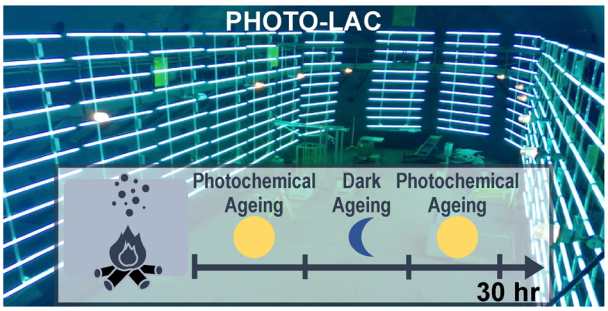
Wildfire plume ageing in the Photochemical Large Aerosol Chamber (PHOTO-LAC)

Hendryk Czech,* Olga Popovicheva,* Dmitriy G. Chernov, Alexander Kozlov, Eric Schneider, Vladimir P. Shmargunov, Maxime Sueur, Christopher P. Rüger, Carlos Afonso, Viktor Uzhegov, Valerii S. Kozlov, Mikhail V. Panchenko and Ralf Zimmermann



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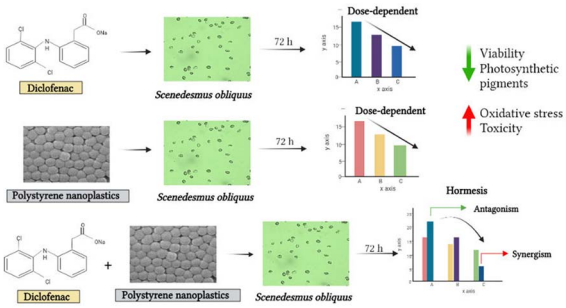
Polystyrene nanoplastics alter the ecotoxicological effects of diclofenac on freshwater microalgae *Scenedesmus obliquus*

Abisha Christy Christudoss, Natarajan Chandrasekaran and Amitava Mukherjee*



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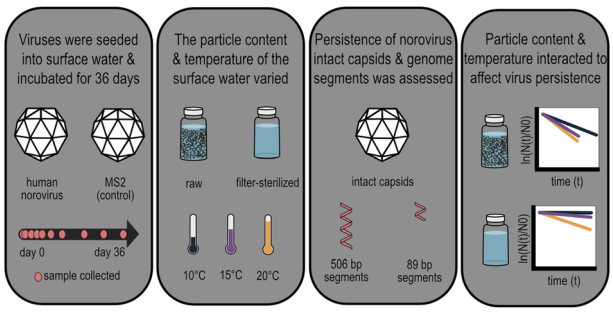
Temperature and particles interact to affect human norovirus and MS2 persistence in surface water

Lauren C. Kennedy, Sarah A. Lowry and Alexandria B. Boehm*



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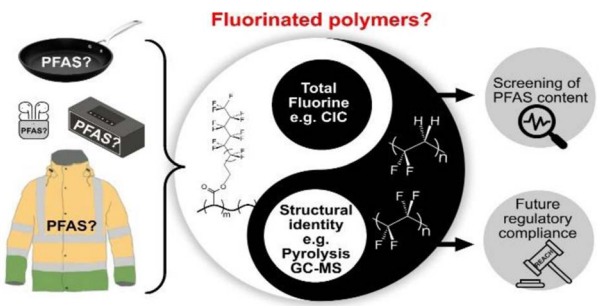
Lisa Skedung,* Eleni Savvidou,* Steffen Schellenberger, Anders Reimann, Ian T. Cousins and Jonathan P. Benskin*



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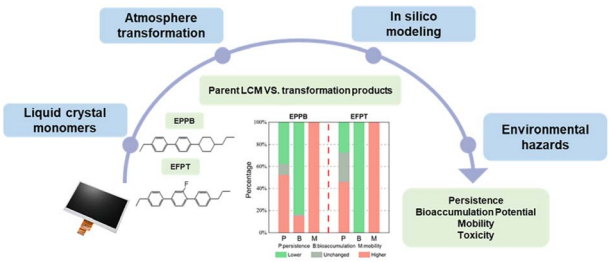

Understanding the importance of atmospheric transformation in assessing the hazards of liquid crystal monomers

Jinlong Wang, Shenghong Wang, Zhizhen Zhang, Xinkai Wang, Kaihui Xia, Li Li* and Qifan Liu*

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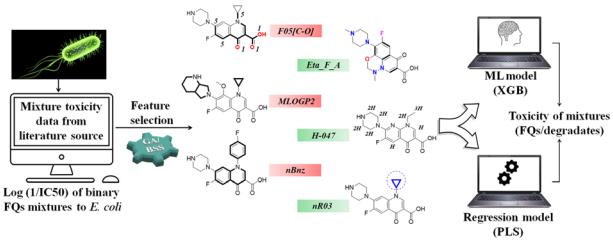

Predictive binary mixture toxicity modeling of fluoroquinolones (FQs) and the projection of toxicity of hypothetical binary FQ mixtures: a combination of 2D-QSAR and machine-learning approaches

Mainak Chatterjee and Kunal Roy*

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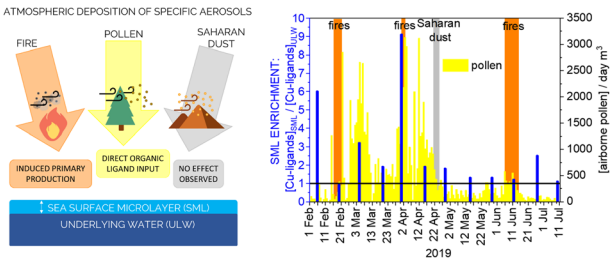

How do certain atmospheric aerosols affect Cu-binding organic ligands in the oligotrophic coastal sea surface microlayer?

Slađana Strmečki,* Iva Dešpoja, Abra Penezić, Andrea Milinković, Saranda Bakija Alempijević, Gyula Kiss, András Hoffer, Božena Mitić, Dario Hruševar and Sanja Frka

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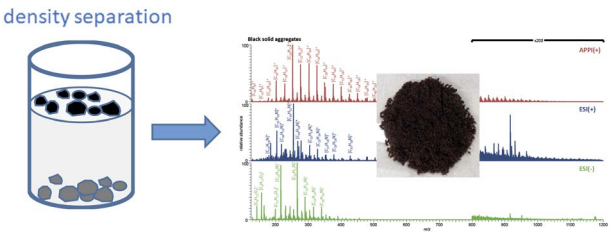

Physical removal of PAXHs from highly contaminated soil by density differentiation: studying the effectiveness on the molecular level

Ruoji Luo and Wolfgang Schrader*

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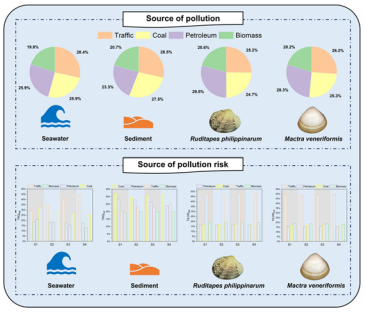
Source-specific ecological and health risks of polycyclic aromatic hydrocarbons in the adjacent coastal area of the Yellow River Estuary, China

Zeyuan Li, Ruicheng Qi, Yufen Li, Jingjing Miao, Yaobing Li, Zhiheng He, Ning Zhang and Luqing Pan*



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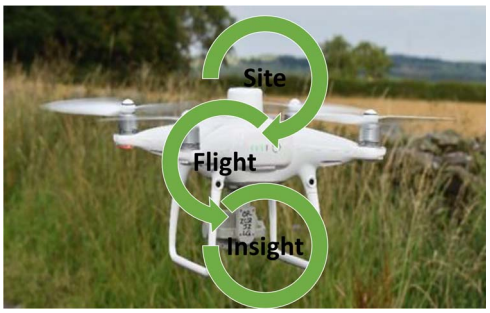
Use of remote sensing to assess vegetative stress as a proxy for soil contamination

John R. Dean,* Shara Ahmed, William Cheung, Ibrahim Salaudeen, Matthew Reynolds, Samantha L. Bowerbank, Catherine E. Nicholson and Justin J. Perry



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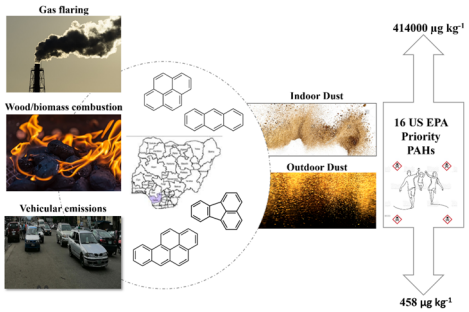
Eze W. Odali, Chukwujindu M. A. Iwegbue,* Francis E. Egobueze, Godwin E. Nwajei and Bice S. Martincigh



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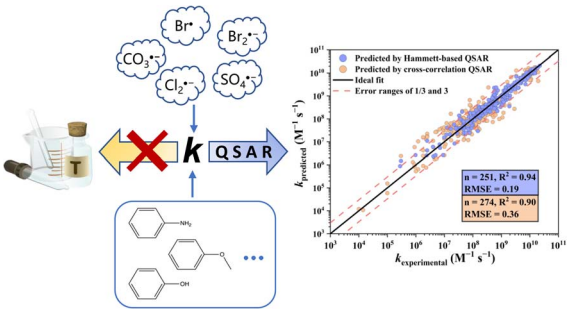
Quantitative structure–activity relationships for the reaction kinetics of trace organic contaminants with one-electron oxidants

Xi Liang, Yu Lei* and Xin Yang*