

# Environmental Science Processes & Impacts

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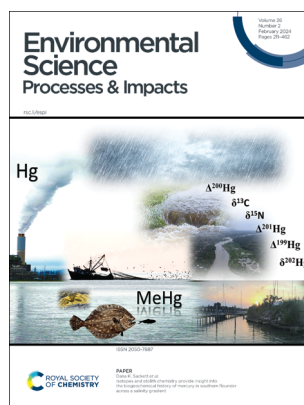
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See Dana K. Sackett *et al.*, pp. 233–246. Image reproduced by permission of Dana K. Sackett and Troy Farmer from *Environ. Sci.: Processes Impacts*, 2024, 26, 233.

## EDITORIAL

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### Beyond the first decade: The next phase for *ESPI*

Elsie M. Sunderland and Kris McNeill

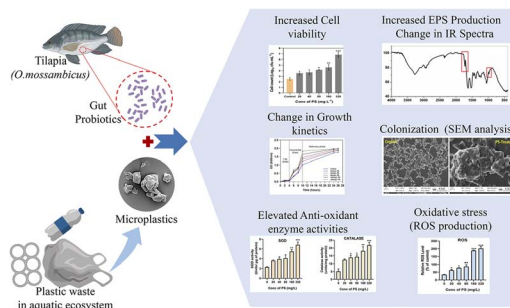


## PAPERS

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### Polystyrene microplastics interaction and influence on the growth kinetics and metabolism of tilapia gut probiotic *Bacillus tropicus* ACS1

Pazhamthavalathil Anil Athulya, Natarajan Chandrasekaran\* and John Thomas



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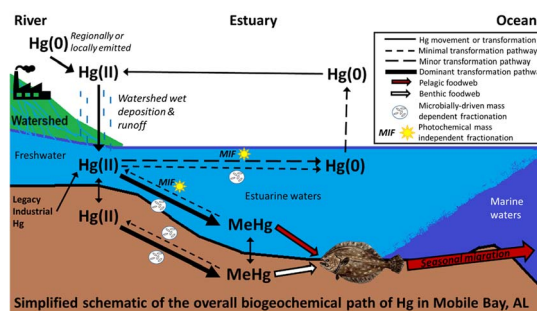
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## Isotopes and otolith chemistry provide insight into the biogeochemical history of mercury in southern flounder across a salinity gradient

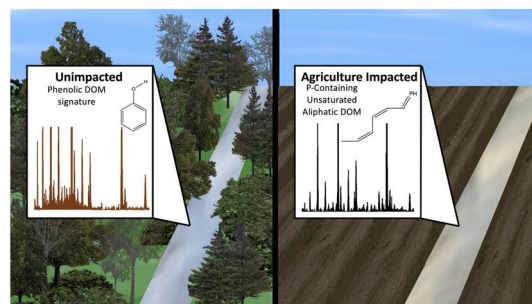
Dana K. Sackett,\* Jared K. Chrisp and Troy M. Farmer



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## Emerging investigator series: impacts of land use on dissolved organic matter quality in agricultural watersheds: a molecular perspective

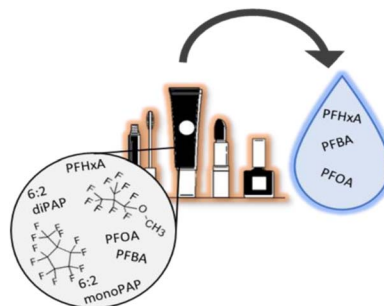
Sethumadhavan A., Liang T. and Mangal V.\*



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## Characterization and dermal bioaccessibility of residual- and listed PFAS ingredients in cosmetic products

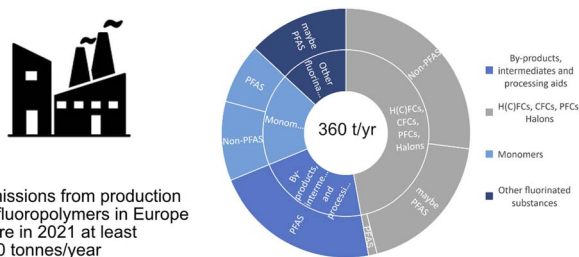
Shahla Namazkar,\* Oddny Ragnarsdottir, Anton Josefsson, Felice Branzell, Sebastian Abel, Mohamed Abou-Elwafa Abdallah, Stuart Harrad and Jonathan P. Benskin\*



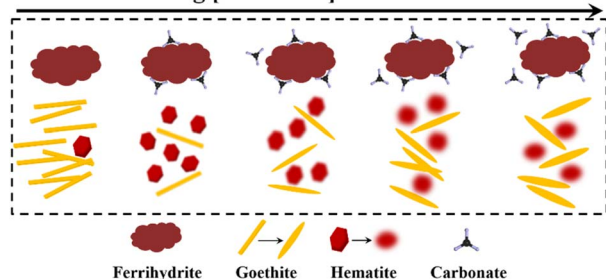
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## Emission inventory of PFASs and other fluorinated organic substances for the fluoropolymer production industry in Europe

Joost Dalmijn,\* Juliane Glüge, Martin Scheringer and Ian T. Cousins

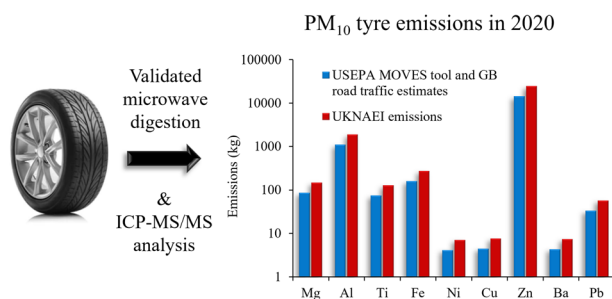


## Increasing [carbonate] in alkaline media



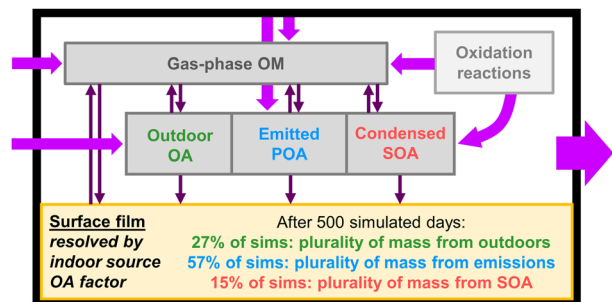
## Effects of carbonate on ferrihydrite transformation in alkaline media

Ying Li,\* Chaoqun Zhang, Meijun Yang, Jing Liu, Hongping He, Yibing Ma and Yuji Arai



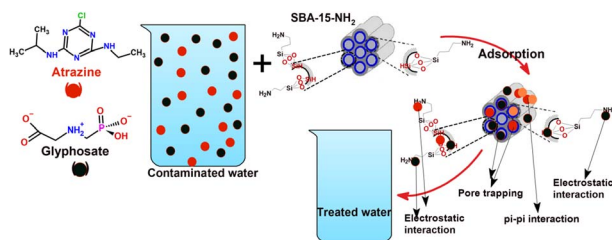
## Traceable determination of metal composition of tyres using tandem ICP-MS and benchmarking of emissions inventories

Emma C. Braysher,\* Andrew S. Brown, Richard J. C. Brown and Nick Molden



## Composition of indoor organic surface films in residences: simulating the influence of sources, partitioning, particle deposition, and air exchange

Bryan E. Cummings,\* Pascale S. J. Lakey, Glenn C. Morrison, Manabu Shiraiwa and Michael S. Waring\*



## Isolation of aqueous pesticides on surface-functionalized SBA-15: glyphosate kinetics and detailed empirical insights for atrazine

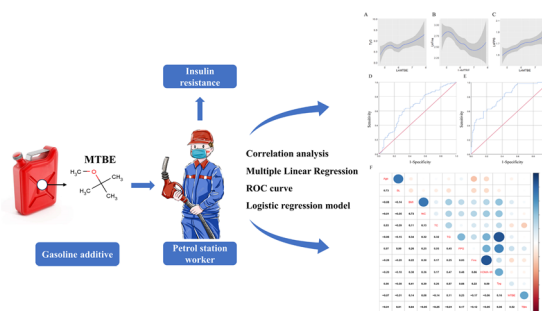
Paul N. Diagboya,\* Johannes Junck, Samson O. Akpotu and Rolf-Alexander Düring



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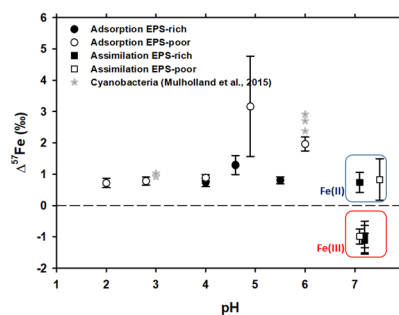
Mingxiao Guo, Mengdi Li, Fengtao Cui, Xiping Ding, Wei Gao, Xingqiang Fang, Li Chen, Hanyun Wang, Piye Niu\* and Junxiang Ma\*



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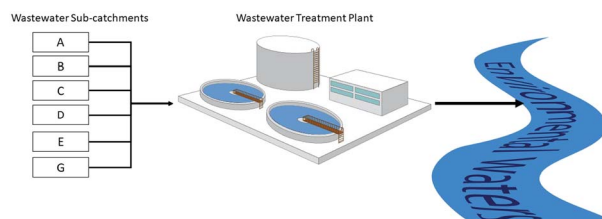
Aridane G. González,\* Franck Poitrasson, Felix Jiménez-Villacorta, Liudmila S. Shirokova and Oleg S. Pokrovsky



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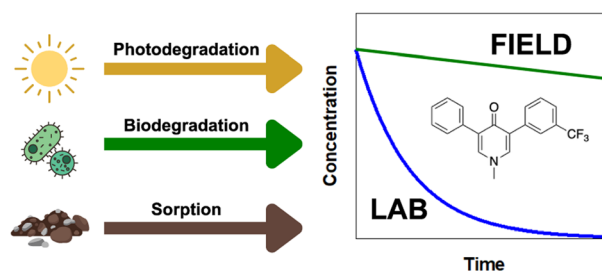
Madison Hattaway, Chris Alaimo, Luann Wong, Jennifer Teerlink and Thomas M. Young\*



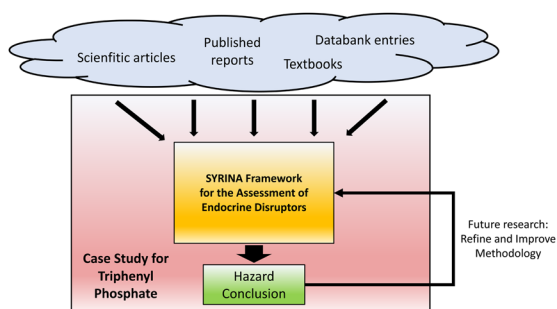
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### Laboratory measurements underestimate persistence of the aquatic herbicide fluridone in lakes

Sydney R. Van Frost, Amber M. White, Josie M. Jauquet, Angela M. Magness, Katherine D. McMahon\* and Christina K. Remucal\*



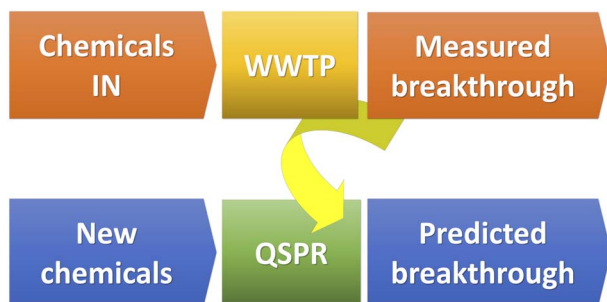
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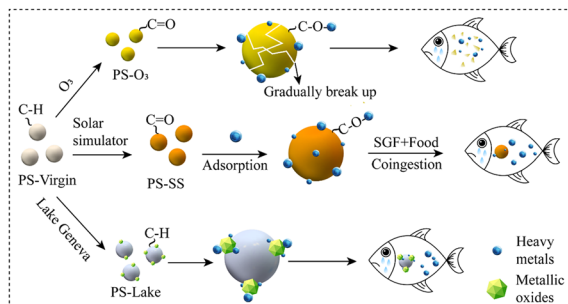
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### *In silico* approaches for the prediction of the breakthrough of organic contaminants in wastewater treatment plants

Nicola Chirico,\* Michael S. McLachlan, Zhe Li and Ester Papa

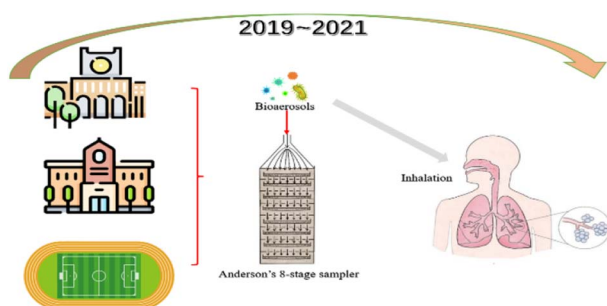
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### Adsorption of copper by naturally and artificially aged polystyrene microplastics and subsequent release in simulated gastrointestinal fluid

Lu Zhou, Thibault Masset and Florian Breider\*

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### Disruption and recovery of outdoor bioaerosols before, during, and after the COVID-19 outbreak at a campus in Central China: pathogen composition, particle size distribution, influencing factors, and exposure risk

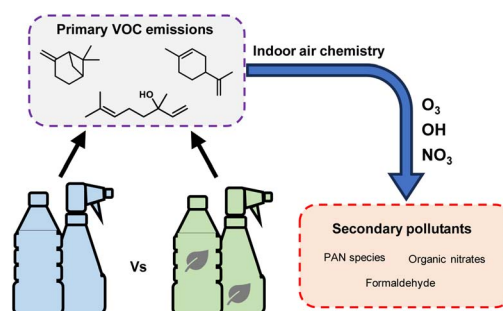
Yanjie Wang, Haoran Zhu, Song Zhang, Kai Yang, Yang Liu, Bisheng Lai and Fangfang Yu\*



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Ellen Harding-Smith,<sup>\*</sup> David R. Shaw, Marvin Shaw, Terry J. Dillon and Nicola Carslaw<sup>\*</sup>



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Ling Mo, Hongyu Fu, Qiyuan Lu, Sifan Chen, Ruijuan Liu, Jun Xiang, Qiao Xing, Licheng Wang, Kexin Sun, Bowen Li<sup>\*</sup> and Jing Zheng<sup>\*</sup>

