

# Environmental Science Processes & Impacts

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## IN THIS ISSUE

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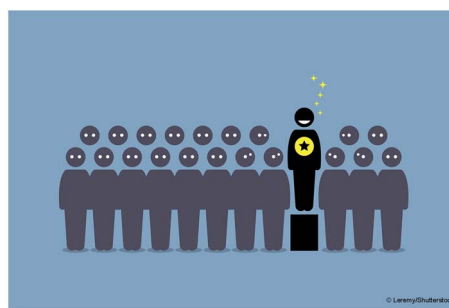


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pp. 1288–1297. Image  
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*Sci.: Processes Impacts*,  
2023, 25, 1288.

## EDITORIAL

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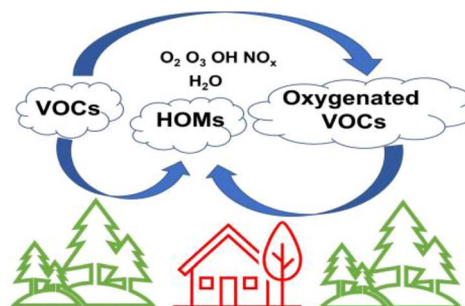


## CRITICAL REVIEW

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**Analytical methodologies for oxidized organic compounds in the atmosphere**

Aleksi Tiisanen, Jose Ruiz-Jimenez, Kari Hartonen and Susanne K. Wiedmer\*



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# Environmental Science Processes & Impacts

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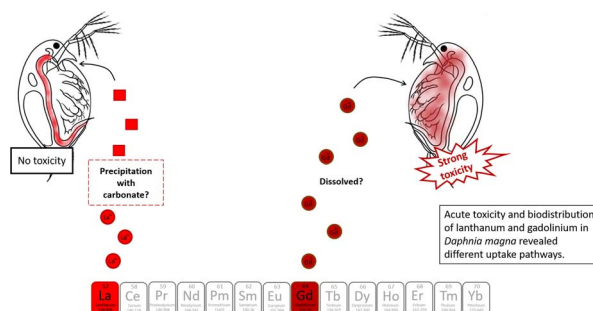
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### Determination of the distribution of rare earth elements La and Gd in *Daphnia magna* via micro and nano-SXRF imaging

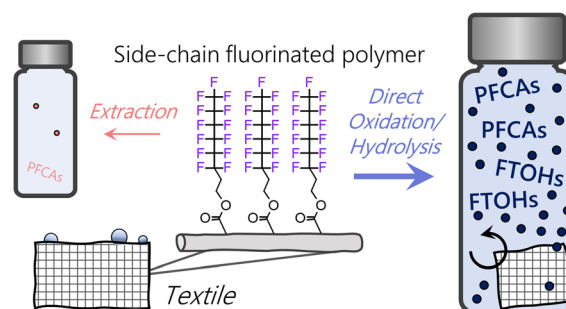
Marion Revel,\* Kadda Medjoubi, Camille Rivard, Delphine Vantelon, Andrew Hursthouse and Susanne Heise



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### Non-extractable PFAS in functional textiles – characterization by complementary methods: oxidation, hydrolysis, and fluorine sum parameters

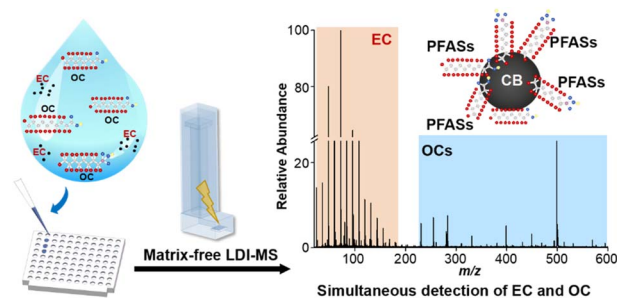
Jonathan Zweigle, Catharina Capitain, Fabian Simon, Philipp Roesch, Boris Bugsel and Christian Zwiener\*



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### Monitoring the adsorption of per- and polyfluoroalkyl substances on carbon black by LDI-MS capable of simultaneous analysis of elemental and organic carbon

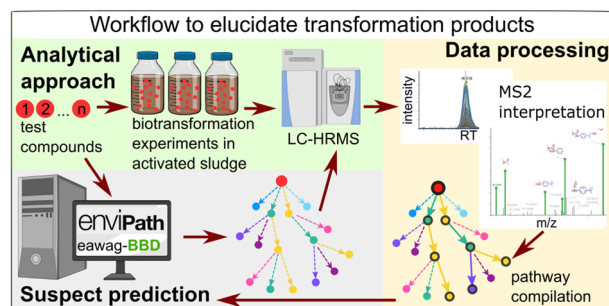
Ke Min, Shenxi Deng, Zhao Shu, Yong Li, Bo Chen, Ming Ma, Qian Liu\* and Guibin Jiang



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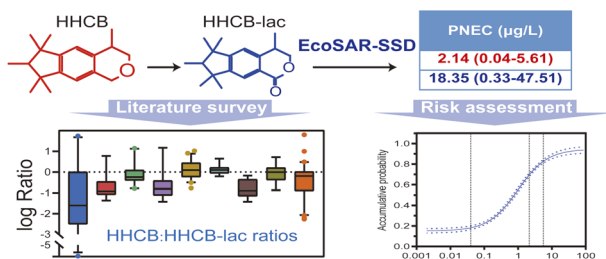
### Combining predictive and analytical methods to elucidate pharmaceutical biotransformation in activated sludge

Leo Trostel, Claudia Coll, Kathrin Fenner\* and Jasmin Hafner



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HHCB has medium to high risks while HHCB-lac has low risks



### Ecological risk of galaxolide and its transformation product galaxolidone: evidence from the literature and a case study in Guangzhou waterways

Yanrong Su, Faxu Li, Xiangxiang Xiao, Huizhen Li, Dali Wang\* and Jing You

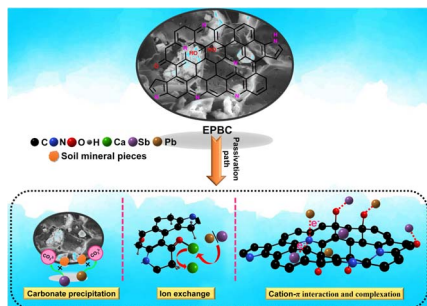
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### Microplastic-sorbed persistent organic pollutants in coastal Mediterranean Sea areas of Tunisia

Badreddine Barhoumi,\* Marc Metian, Hatem Zaghden, Abdelkader Derouiche, Walid Ben Ameer, Sihem Ben Hassine, François Oberhaensli, Janeth Mora, Nikolaos Mourgogiannis, Abdulla M. Al-Rawabdeh, Lassaad Chouba, Carlos M. Alonso-Hernández, Hrissi K. Karapanagioti, Mohamed Ridha Driss, Ahmed Mliki and Soufiane Touil

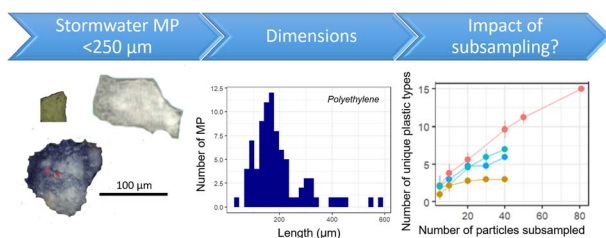
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### Biological calcium carbonate enhanced the ability of biochar to passivate antimony and lead in soil

Can Wu,\* Yi Yang, Yaping Zhong, Yan Guan, Qingqing Chen, Wenping Du and Guo Liu

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### Urban stormwater microplastic size distribution and impact of subsampling on polymer diversity

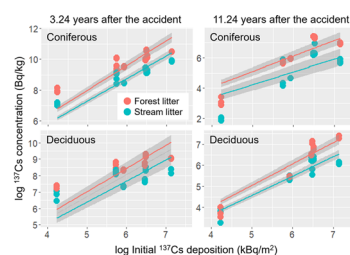
Swaraj Parmar, Georgia Arbuckle-Keil, G. Kumi and N. L. Fahrenfeld\*



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## Spatiotemporal patterns in differences between the $^{137}\text{Cs}$ concentrations of forest and stream litters: effect of leaching

Masaru Sakai,\* Mitsuru Ohira and Takashi Gomi



While the  $^{137}\text{Cs}$  concentrations in both forest and stream litters decreased with time, the absolute differences in  $^{137}\text{Cs}$  concentrations in litter between forest and stream ecosystems were similarly greater in more contaminated sites both 3.24 and 11.24 years after the Fukushima accident.

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## Developmental toxicity of the emerging contaminant cyclophosphamide and the integrated biomarker response (IBRv2) in zebrafish

Tamilselvan Hema, Rama-Krishnan Poopal, Mathan Ramesh,\* Zongming Ren and Bin Li\*



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## Occurrence, distribution and environmental risk of 19 anthelmintic drugs in river water and sediment from the Jinjiang River, China

Sheng Yang, Mengxi Liao, Shijun Su, Sanglan Ding, Yiwen Li\* and Zhiwei Gan\*

