

# Environmental Science Processes & Impacts

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## IN THIS ISSUE

ISSN 2050-7887 CODEN ESPICZ 25(8) 1255–1420 (2023)



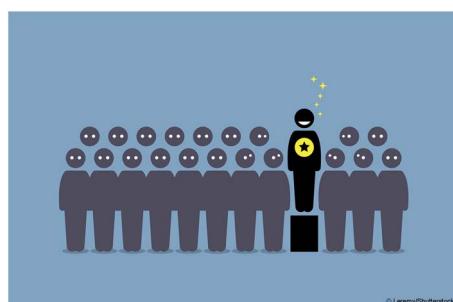
### Cover

See Marion Revel et al.,  
pp. 1288–1297. Image  
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Marion Revel from *Environ.  
Sci.: Processes Impacts*,  
2023, 25, 1288.

## EDITORIAL

1262

Outstanding Reviewers for *Environmental Science:  
Processes & Impacts* in 2022

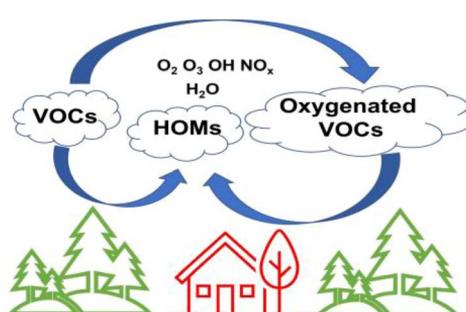


## CRITICAL REVIEW

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Analytical methodologies for oxidized organic  
compounds in the atmosphere

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



# Environmental Science Processes & Impacts

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Environmental Science: Processes & Impacts (electronic: ISSN 2050-7895) is published 12 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WF.

All orders, with cheques made payable to the Royal Society of Chemistry, should be sent to the Royal Society of Chemistry Order Department, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, CB4 0WF, UK  
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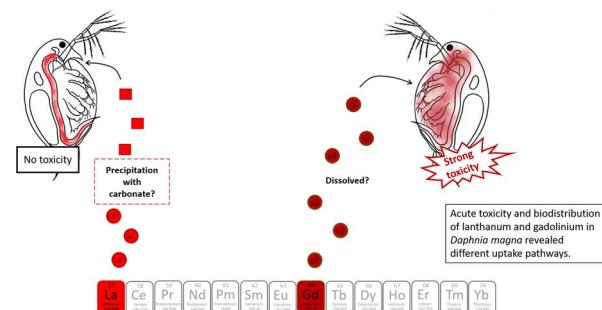


## PAPERS

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

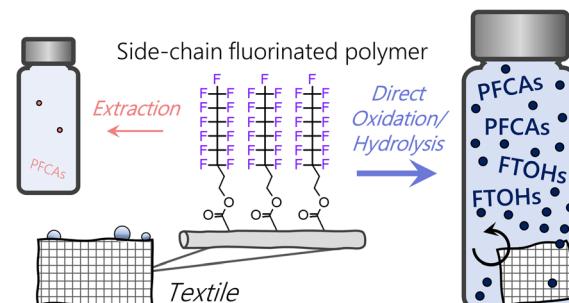
Marion Revel,\* Kadda Medjoubi, Camille Rivard, Delphine Vantelon, Andrew Hursthouse and Susanne Heise



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

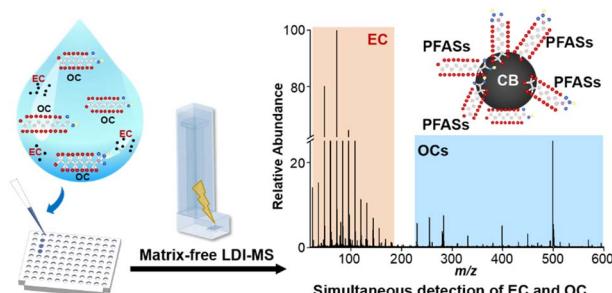
Jonathan Zweigle, Catharina Capitain, Fabian Simon, Philipp Roesch, Boris Bugsel and Christian Zwiener\*



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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**

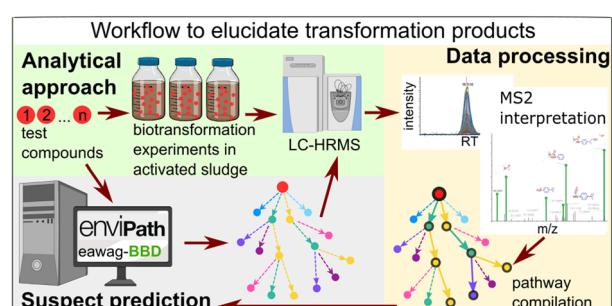
Ke Min, Shenxi Deng, Zhao Shu, Yong Li, Bo Chen, Ming Ma, Qian Liu\* and Guibin Jiang



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

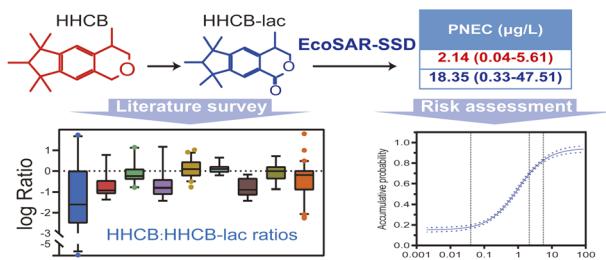
Leo Trostel, Claudia Coll, Kathrin Fenner\* and Jasmin Hafner



## PAPERS

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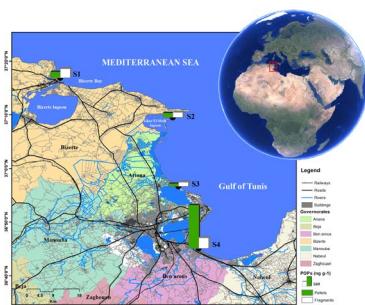
HHCB has medium to high risks while HHCB-lac has low risks



## 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

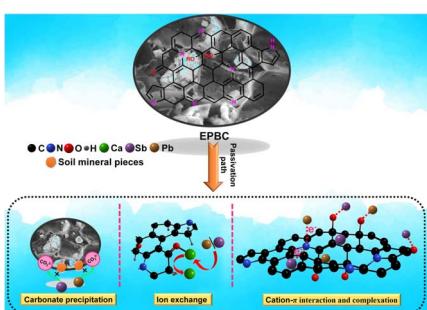
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## Microplastic-sorbed persistent organic pollutants in coastal Mediterranean Sea areas of Tunisia

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

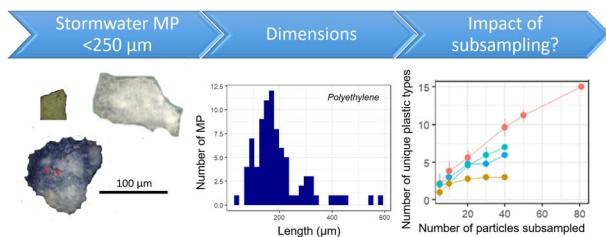
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## Biological calcium carbonate enhanced the ability of biochar to passivate antimony and lead in soil

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\*

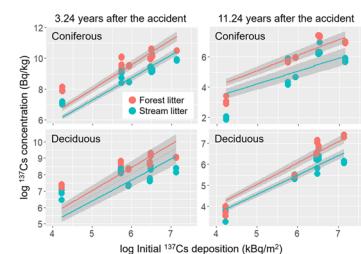


## PAPERS

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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

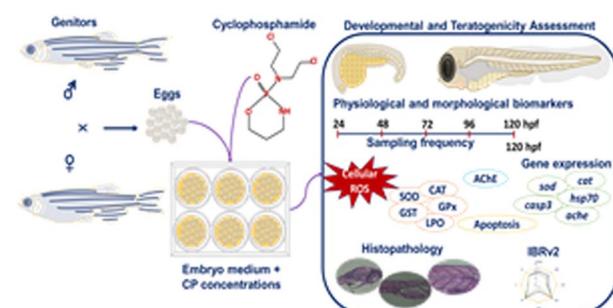


While the  $^{137}\text{Cs}$  concentrations in both forest and stream litters decreased with time, the absolute differences in  $^{137}\text{Cs}$  concentrations in litter between forest and stream ecosystems were similarly greater in more contaminated sites both 3.24 and 11.24 years after the Fukushima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

1391

**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\*

