

Environmental Science Processes & Impacts

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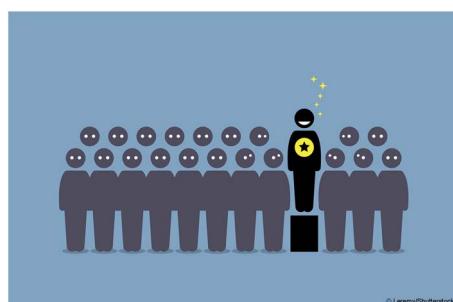
Cover

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

EDITORIAL

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Processes & Impacts* in 2022

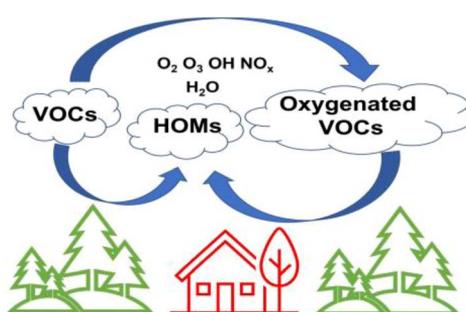


CRITICAL REVIEW

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Analytical methodologies for oxidized organic
compounds in the atmosphere

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



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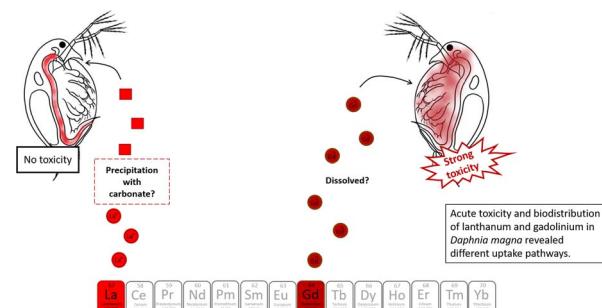


PAPERS

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

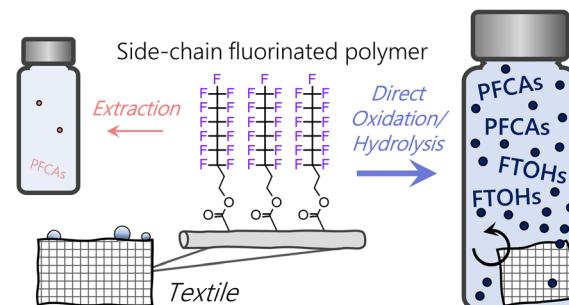
Marion Revel,* Kadda Medjoubi, Camille Rivard, Delphine Vantelon, Andrew Hursthouse and Susanne Heise



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

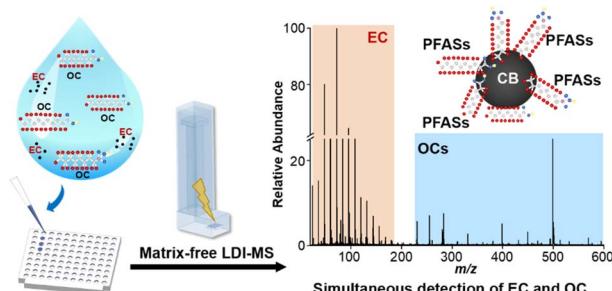
Jonathan Zweigle, Catharina Capitain, Fabian Simon, Philipp Roesch, Boris Bugsel and Christian Zwiener*



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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

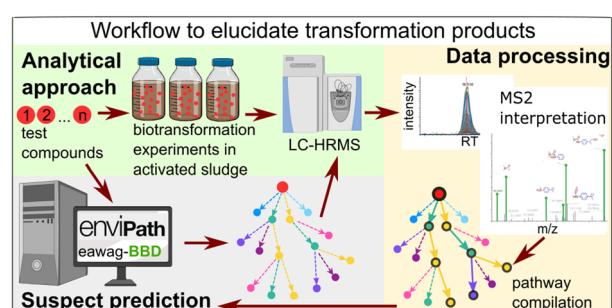
Ke Min, Shenxi Deng, Zhao Shu, Yong Li, Bo Chen, Ming Ma, Qian Liu* and Guibin Jiang



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

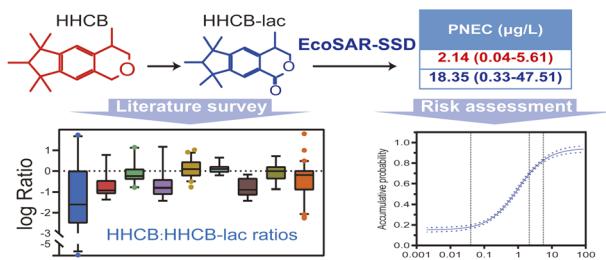
Leo Trostel, Claudia Coll, Kathrin Fenner* and Jasmin Hafner



PAPERS

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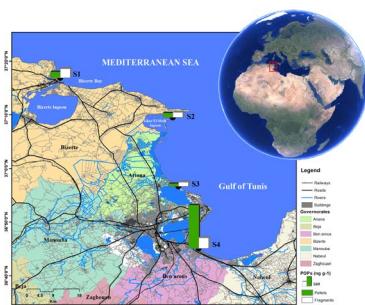
HHCB has medium to high risks while HHCB-lac has low risks



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

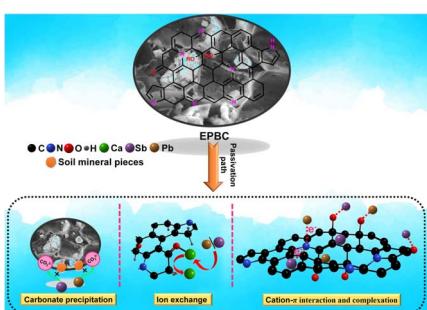
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Microplastic-sorbed persistent organic pollutants in coastal Mediterranean Sea areas of Tunisia

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

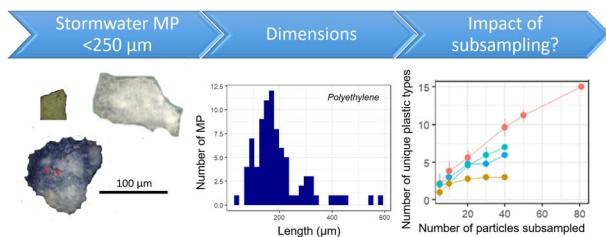
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Biological calcium carbonate enhanced the ability of biochar to passivate antimony and lead in soil

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*

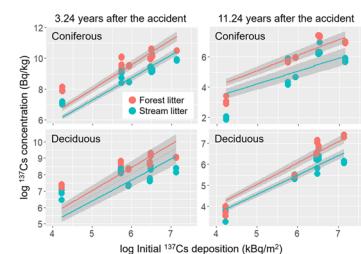


PAPERS

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

Masaru Sakai,* Mitsuru Ohira and Takashi Gomi

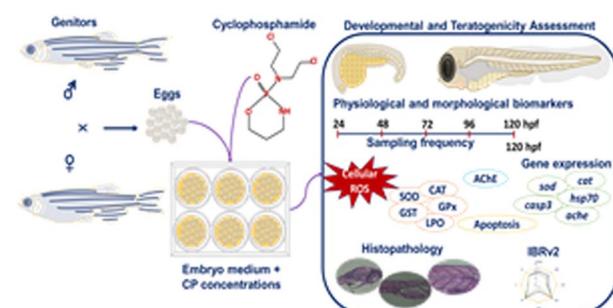


While the ^{137}Cs concentrations in both forest and stream litters decreased with time, the absolute differences in ^{137}Cs concentrations in litter between forest and stream ecosystems were similarly greater in more contaminated sites both 3.24 and 11.24 years after the Fukushima accident.

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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*

