

Environmental Science Processes & Impacts

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ISSN 2050-7887 CODEN ESPICZ 25(7) 1135–1254 (2023)



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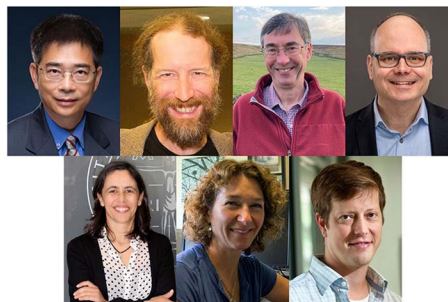
See Theodora Nah et al., pp. 1150–1168. Image reproduced by permission of Theodora Nah from *Environ. Sci.: Processes Impacts*, 2023, 25, 1150.

EDITORIAL

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Best Papers from 2022 published in the *Environmental Science* journals of the Royal Society of Chemistry

Zongwei Cai, Neil Donahue, Kevin C. Jones, Kristopher McNeill, Célia Manaia, Paige J. Novak and Peter J. Vikesland

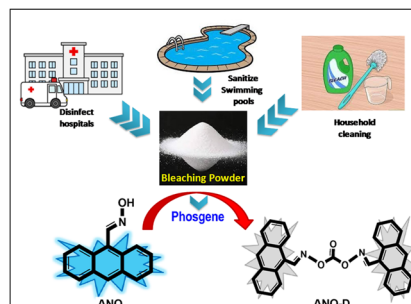


COMMUNICATION

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Detection of exposed phosgene in household bleach: development of a selective and cost-effective sensing tool

Shrabani Saha and Prithidipa Sahoo*



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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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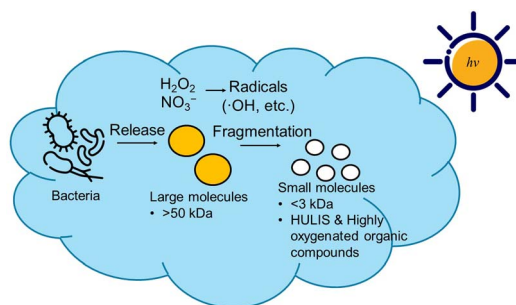
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Emerging investigator series: aqueous photooxidation of live bacteria with hydroxyl radicals under cloud-like conditions: insights into the production and transformation of biological and organic matter originating from bioaerosols

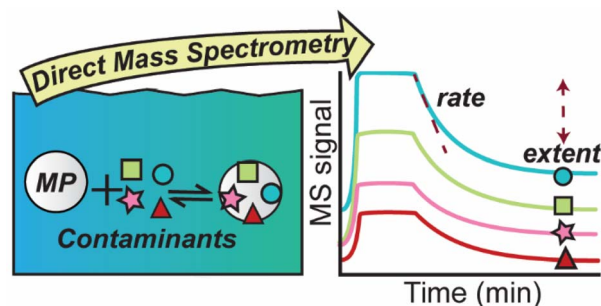
Yushuo Liu, Patrick K. H. Lee and Theodora Nah*



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Monitoring microplastic–contaminant sorption processes in real-time using membrane introduction mass spectrometry

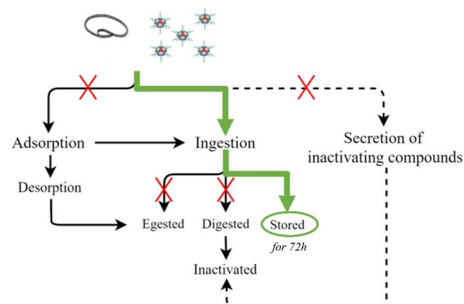
Misha Zvekic, Gregory W. Vandergrift, Christine C. Tong, Chris G. Gill and Erik T. Krogh*



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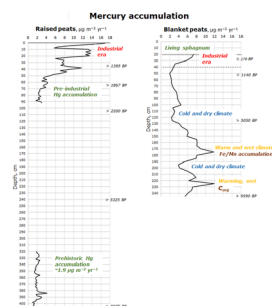
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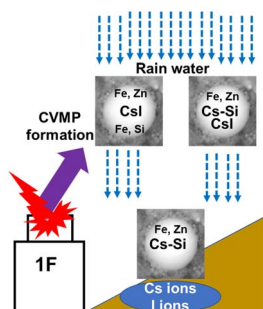
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Prehistoric and technogenic loads of Hg in raised and blanket peats from the lower Amur River basin, eastern Asia

Fyodor S. Kot,* Valentina B. Bazarova, Mikhail A. Klimin, Irina O. Dugina and Tatyana A. Kopoteva



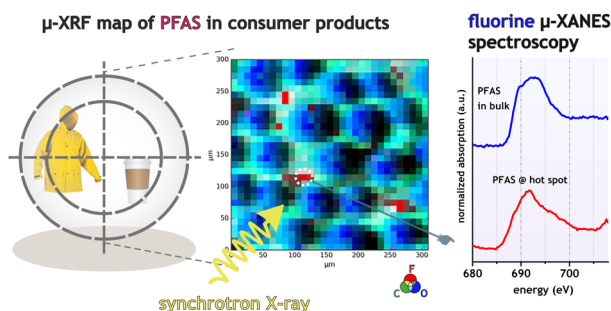
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Chemical species of cesium and iodine in condensed vaporized microparticles formed by melting nuclear fuel components with concrete materials

Toshihiko Ohnuki,* Jian Ye, Tomoaki Kato, Jiang Liu, Masahide Takano, Naofumi Kozai and Satoshi Utsunomiya

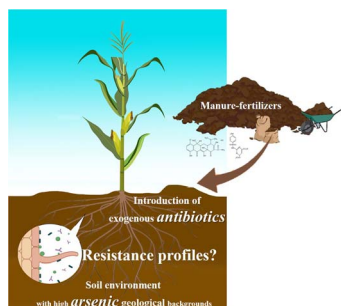
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Taking a look at the surface: μ -XRF mapping and fluorine K-edge μ -XANES spectroscopy of organofluorinated compounds in environmental samples and consumer products

Philipp Roesch,* Christian Vogel,* Philipp Wittwer, Thomas Huthwelker, Camelia N. Borca, Thomas Sommerfeld, Stephanie Kluge, Christian Piechotta, Ute Kalbe and Franz-Georg Simon

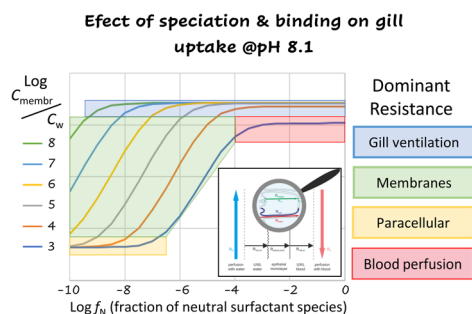
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Resistance profiles of microbial communities in maize rhizospheres to the introduction of exogenous antibiotics to agricultural systems with a high arsenic geological background

Moxin Xu, Jinping Jiang, Ying Feng, Xiaofeng Li, Lili Ye and Yongshan Chen*

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A framework for understanding the bioconcentration of surfactants in fish

Michael S. McLachlan,* Andrea Ebert, James M. Armitage, Jon A. Arnot and Steven T. J. Droge

