

# Environmental Science: Advances

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ISSN 2754-7000 CODEN ESANEB 2(9) 1143–1274 (2023)



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Hemi Luan\* and Zongwei Cai

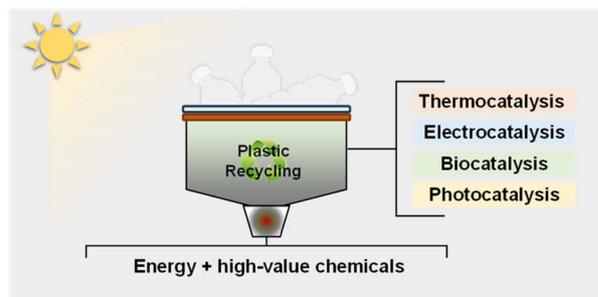


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Environmental Science: Advances (electronic: ISSN 2754-7000) is published 12 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, UK CB4 0WF.

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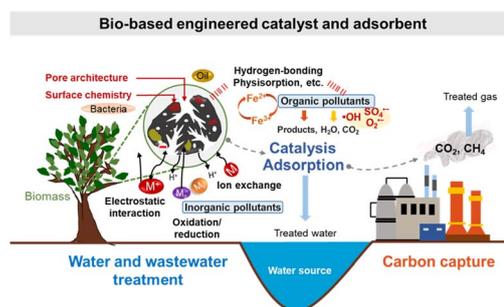


## CRITICAL REVIEW

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## Integrated 3D pore architecture design of bio-based engineered catalysts and adsorbents: preparation, chemical doping, and environmental applications

Dinh Viet Cuong, Jhen-Cih Wu, Eakalak Khan, Gijis Du Laing, Yong Sik Ok\* and Chia-Hung Hou\*

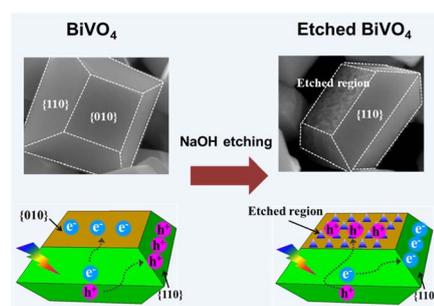


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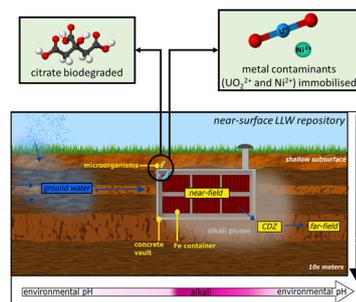
Yue Zhao, Shunning Li, Hui Li, Bin Zeng, Haibo Chi, Yihuan Wang, Huangzhao Wei, Feng Pan\* and Rengui Li\*



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## Anaerobic biodegradation of citric acid in the presence of Ni and U at alkaline pH; impact on metal fate and speciation

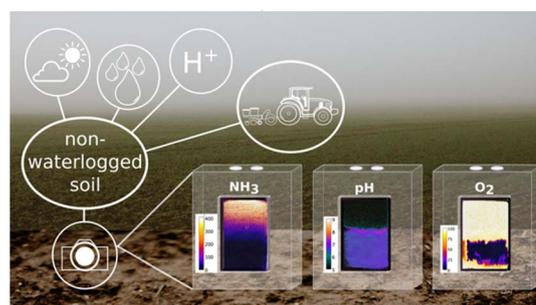
Natalie Byrd,\* Jonathan R. Lloyd, Luke T. Townsend, Joe S. Small, Frank Taylor, Heath Bagshaw, Christopher Boothman, Ilya Strashnov and Katherine Morris\*



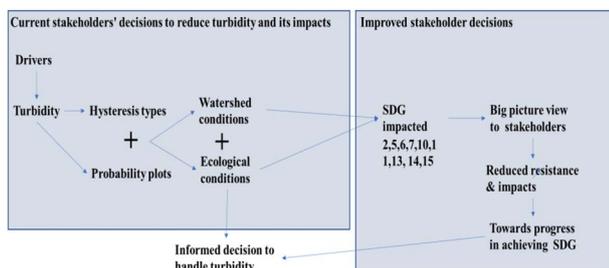
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## Optical chemical sensors for soil analysis: possibilities and challenges of visualising NH<sub>3</sub> concentrations as well as pH and O<sub>2</sub> microscale heterogeneity

Theresa Merl, Yihuai Hu, Johanna Pedersen, Silvia E. Zieger, Marie Louise Bornø, Azeem Tariq, Sven Gjedde Sommer and Klaus Koren\*



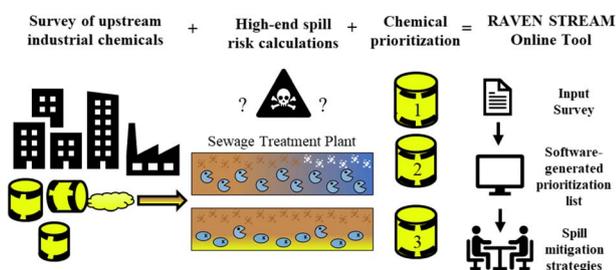
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## Conceptualizing turbidity for aquatic ecosystems in the context of sustainable development goals

D. Sahoo\* and A. Anandhi

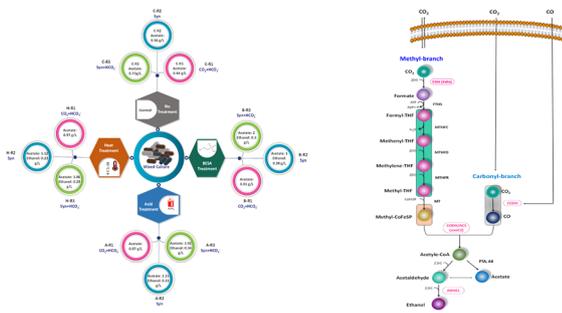
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## Prioritizing toxic shock threats to sewage treatment plants from down-the-drain industrial chemical spills: the RAVEN STREAM online tool

John D. Hader,\* Marcus Frenzel, Jerome Scullin, Elzbieta Plaza and Matthew MacLeod\*

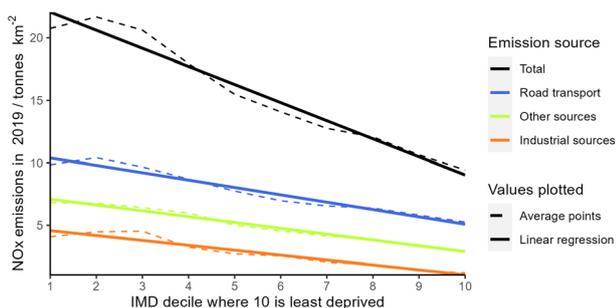
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Athmakuri Tharak, Ranaprathap Katakajwala and S. Venkata Mohan\*

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## Deprivation based inequality in NO<sub>x</sub> emissions in England

Nathan R. Gray, Alastair C. Lewis and Sarah J. Moller\*

