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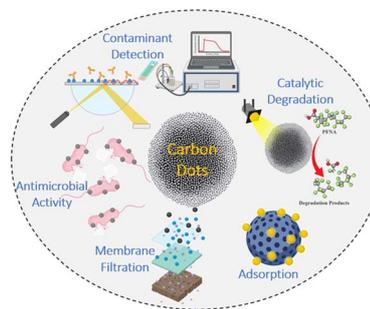
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**Carbon dots: a promising path towards environmental sustainability**

Ajith Manayil Parambil\* and Paulraj Rajamani\*

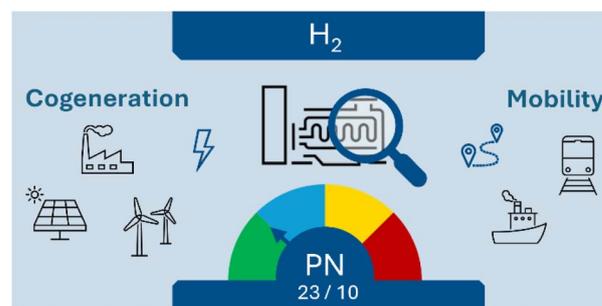


## PAPERS

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**Investigations on particle emissions of large-bore engines powered by natural gas and hydrogen**

Felina Armbruster,\* Alexander Gelner, Andreas Zepf, Maximilian Prager, Martin Härtl and Malte Jaensch



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**Dissolved oxygen forecasting in the Mississippi River: advanced ensemble machine learning models**

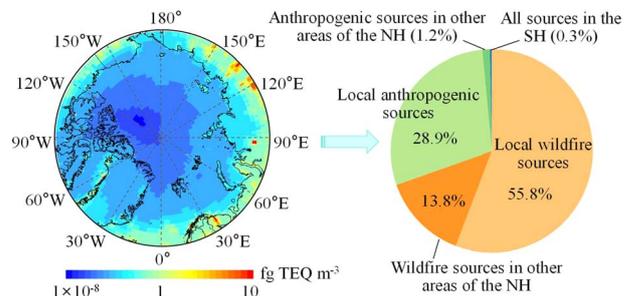
Francesco Granata,\* Senlin Zhu and Fabio Di Nunno



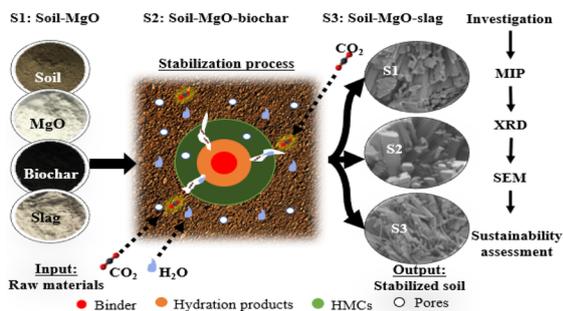
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**Dioxins in the Arctic: local sources vs. long-range transport**

Ling Gou, Shijie Song, Tao Huang,\* Zaili Ling, Kaijie Chen, Jiayi Xin, Enze Geng, Jiaxin Wang, Yuan Zhao, Hong Gao and Jianmin Ma



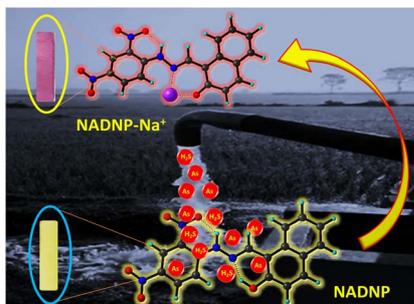
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## Impacts of biochar and slag on carbon sequestration potential and sustainability assessment of MgO-stabilized marine soils: insights from MIP analysis

Chikezie Chimere Onyekwena, Qi Li,\* Yong Wang, Ishrat Hameed Alvi, Yunlu Hou, Chima Finnian Ukaomah and Theogene Hakuzweyezu

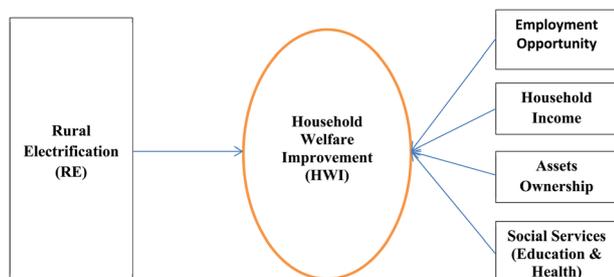
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## Naked eye detection of arsenite, arsenate, and H<sub>2</sub>S by a Schiff base naphthaldehyde conjugate using a single paper strip, based on a deprotonation mechanism

Diptiman De, Priyotosh Ghosh, Sriman De and Prithidipa Sahoo\*

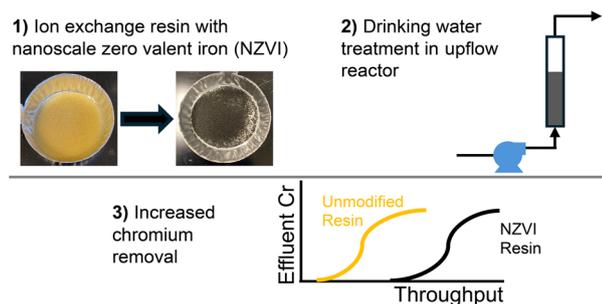
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## Household welfare improvement in the Mbulu district of Tanzania: does rural electrification matter?

Hadija Matimbwa and Marco E. Mng'ong'o\*

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## A hybrid anion exchanger with nanoscale zero valent iron for trace hexavalent chromium removal from drinking water

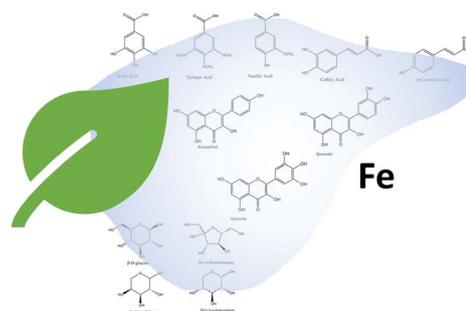
Annabel L. Mungan, Elizabeth A. Hjelvik, Anthony P. Straub and Julie A. Korak\*



1616

## Iron complexation by biomass model compounds

Anurag S. Mandalika and Troy M. Runge\*



1628

## Intensive aquaculture affects lake's trophic status and aquatic floral diversity

Divya Dubey,\* Kiran Toppo, Saroj Kumar and Venkatesh Dutta\*

