

# Environmental Science: Advances

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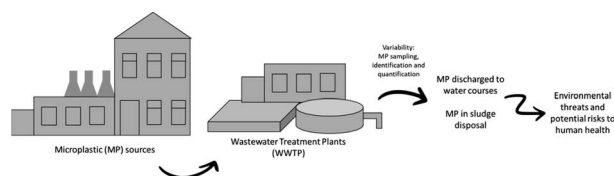
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### Fate and occurrence of microplastics in wastewater treatment plants

Daniela P. Mesquita,\* Cristina Quintelas and Eugénio C. Ferreira

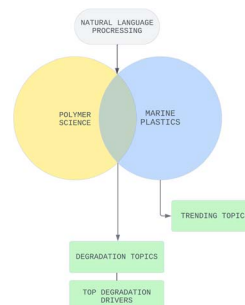


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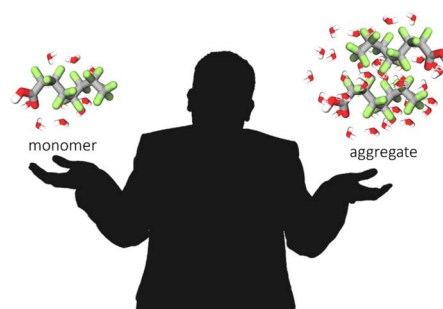
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### Linear perfluoroalkyl carboxylate reduction dynamics with solvated electrons from ferrocyanide and sulfite

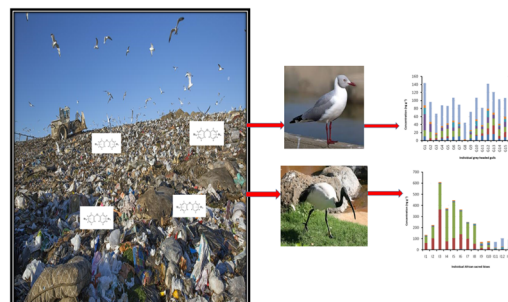
William A. Maza,\* James A. Ridenour, Brian L. Chaloux, Albert Epshteyn and Jeffrey C. Owrutsky



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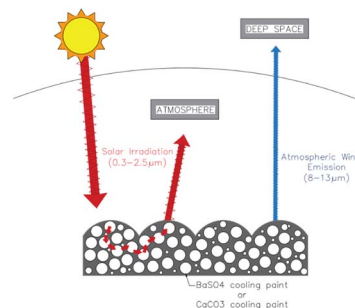
C. Emereole, R. Jansen and O. J. Okonkwo\*



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### Subambient passive radiative cooling effects of barium sulfate and calcium carbonate paints under Malaysia's tropical climate

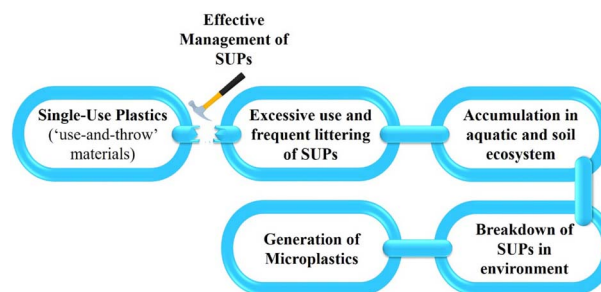
William Raphael Joseph, Jun Yeang Tan, Apurav Krishna Koyande, Ianatul Khoiroh,\* Jerry Joynson and Steve Willis



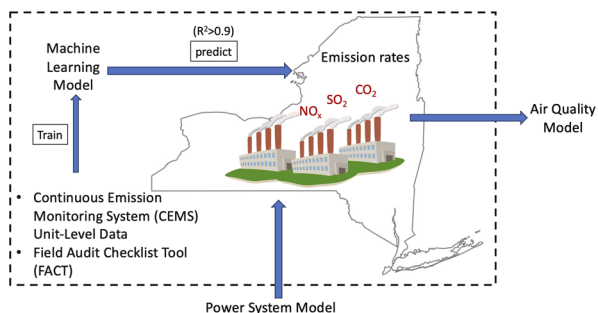
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### Management strategies for single-use plastics: lessons to learn from Indian approach of minimizing microplastic waste

Surya Singh and Mrinal Kanti Biswas\*



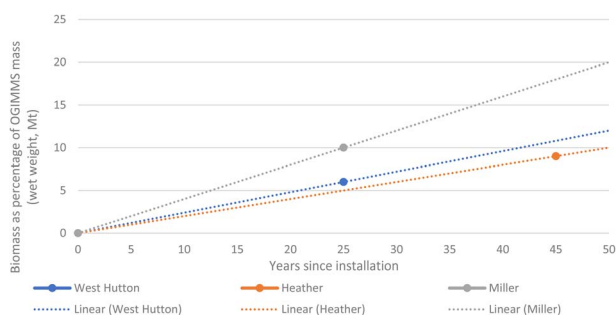
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## Predicting power plant emissions using public data and machine learning

Jiajun Gu, Jeffrey A. Sward and K. Max Zhang\*

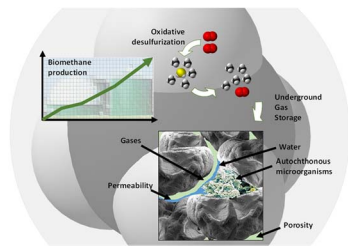
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## A first estimate of blue carbon associated with oil & gas industry marine infrastructure

Abigail J. Davies\* and Astley Hastings

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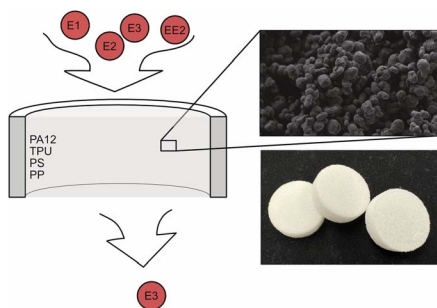


The massive arrival of biomethane in geological energy storage will lead to a potential co-injection of  $\text{O}_2$  used during the gas desulfurization process. In aquifer storage, this  $\text{O}_2$  will induce changes in the microbial community and interactions with the stored gas and the formation water.

## Physicochemical and microbiological effects of geological biomethane storage in deep aquifers: introduction of $\text{O}_2$ as a cocontaminant

P. G. Haddad, M. Ranchou-Peyruse, M. Guignard, J. Mura, F. Castéran, P. Sénéchal, M. Larregieu, M.-P. Isaure, P. Moonen, I. Le Hécho, G. Hoareau, P. Chiquet, G. Caumette, A. Petit, P. Cezac and A. Ranchou-Peyruse\*

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## Removal of estrogens from aqueous solutions using 3D-printed polymers

Janne Frimodig and Matti Haukka\*



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## Assessing sources and fractions of metals associated with environmental plastics: a case study in Lake Como (Italy)

Stefano Carnati, Andrea Pozzi, Davide Spanu, Damiano Monticelli, Roberta Bettinetti, Ginevra Boldrocchi, Luca Nizzetto and Gilberto Binda\*

