

Environmental Science: Advances

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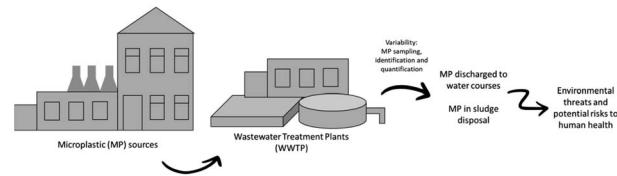
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TUTORIAL REVIEW

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Fate and occurrence of microplastics in wastewater treatment plants

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

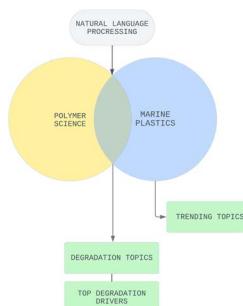


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Intersections between materials science and marine plastics to address environmental degradation drivers: a machine learning approach

Henrique de Medeiros Back,* Daphny Pottmaier, Camilla Kneubl Andreusi and Orestes Estevam Alarcon



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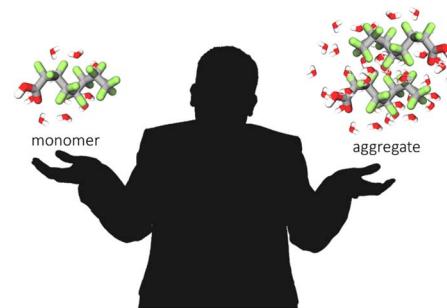
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PAPERS

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

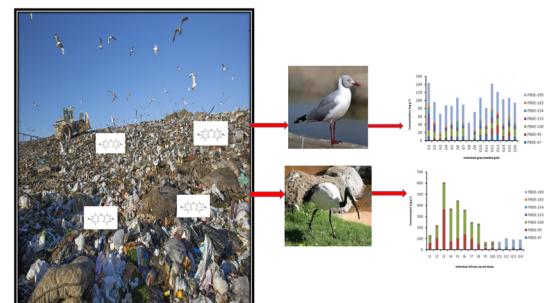
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Polybrominated diphenyl ethers in the grey-headed gull (*Larus cirrocephalus*) and African sacred ibis (*Threskiornis aethiopicus*)

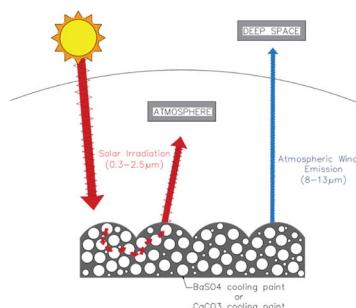
C. Emereole, R. Jansen and O. J. Okonkwo*



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

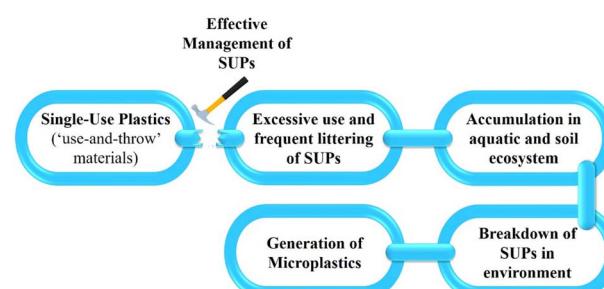
William Raphael Joseph, Jun Yeang Tan, Apurav Krishna Koyande, Ianaatul Khoiroh,* Jerry Joynson and Steve Willis



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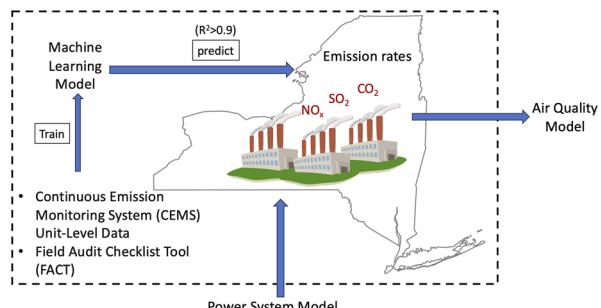
Management strategies for single-use plastics: lessons to learn from Indian approach of minimizing microplastic waste

Surya Singh and Mrinal Kanti Biswas*



PAPERS

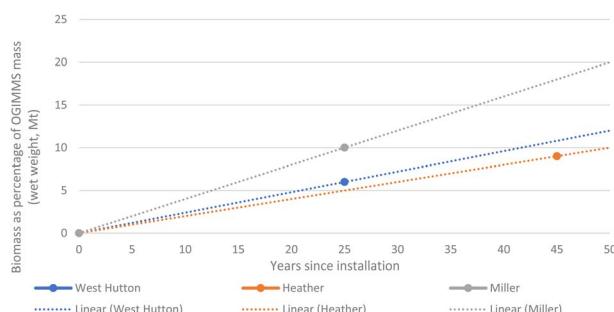
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Predicting power plant emissions using public data and machine learning

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

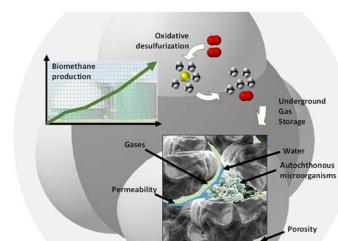
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A first estimate of blue carbon associated with oil & gas industry marine infrastructure

Abigail J. Davies* and Astley Hastings

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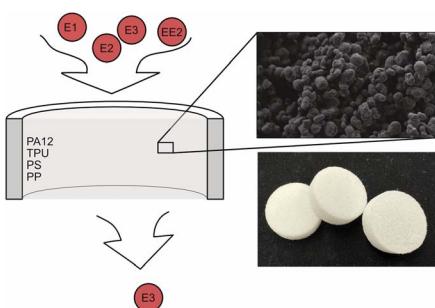


The massive arrival of biomethane in geological energy storage will lead to a potential co-injection of O_2 used during the gas desulfurization process. In aquifer storage, this O_2 will induce changes in the microbial community and interactions with the stored gas and the formation water.

Physicochemical and microbiological effects of geological biomethane storage in deep aquifers: introduction of 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*

