

Environmental Science: Advances

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IN THIS ISSUE

ISSN 2754-7000 CODEN ESANEB 2(10) 1275–1462 (2023)



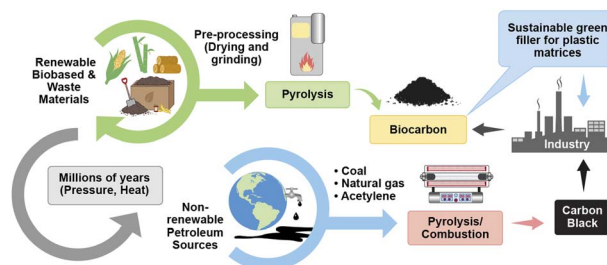
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TUTORIAL REVIEW

1282

Recent advances on value-added biocarbon preparation by the pyrolysis of renewable and waste biomass, their structure and properties: a move toward an ecofriendly alternative to carbon black

Drupitha MP, Manjusri Misra* and Amar Kumar Mohanty*

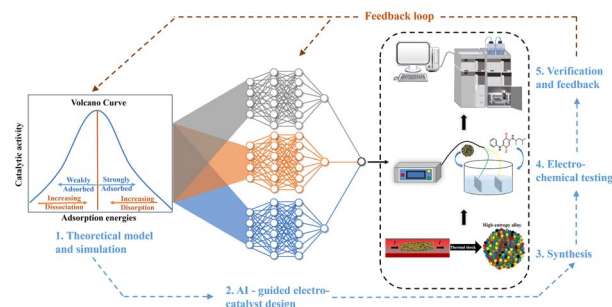


PERSPECTIVE

1302

AI-guided electro-decomposition of persistent organic pollutants: a long-awaited vision becoming reality?

Lin Zhu, Lei Du, Guodong Cao 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.

Environmental Science: Advances is a Gold Open Access journal and all articles are free to read.

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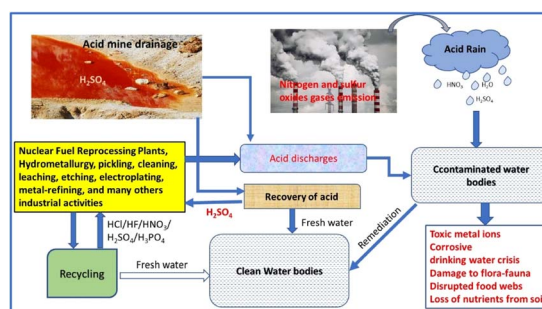


CRITICAL REVIEWS

1306

Remediation and recycling of inorganic acids and their green alternatives for sustainable industrial chemical processes

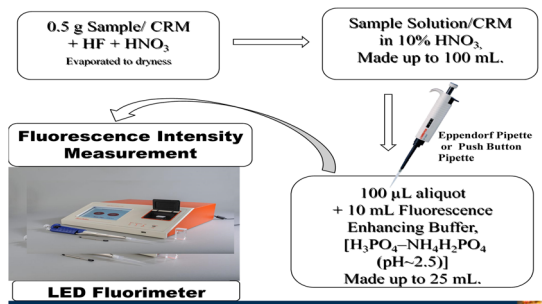
Chhavi Agarwal* and Ashok K. Pandey*



1340

Application of a differential technique in laser-induced fluorimetry/pulsed LED-fluorimetry: simple and reliable analysis of uranium raw materials in the nuclear fuel cycle – a mini-review

D. P. S. Rathore,* P. K. Tarafder, V. Balaram, M. Mishra, J. Pari, A. G. Bhujle and D. D. Bhawalkar

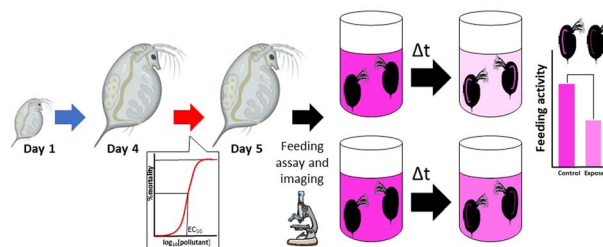


PAPERS

1351

Development and application of a sensitive feeding assay for daphnids based on the ingestion of fluorescent microparticles

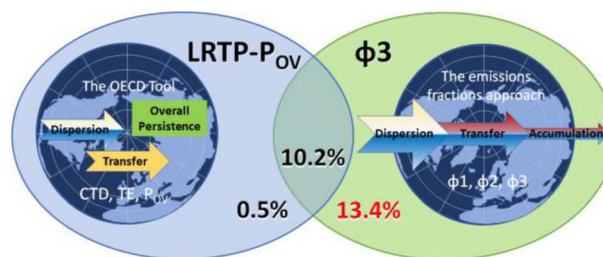
Maria Giannouli, Konstantinos Panagiotidis, Keith D. Rochfort and Konstantinos Grintzalis*



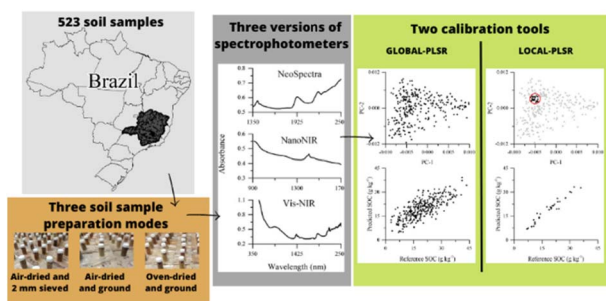
1360

Added value of the emissions fractions approach when assessing a chemical's potential for adverse effects as a result of long-range transport

Knut Breivik,* Michael S. McLachlan and Frank Wania



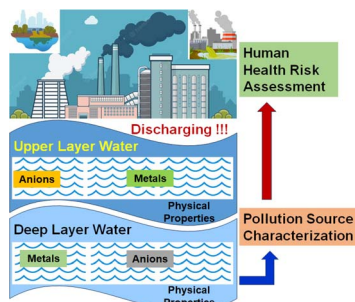
1372



Large-scale measurement of soil organic carbon using compact near-infrared spectrophotometers: effect of soil sample preparation and the use of local modelling

Aymbiré A. Fonseca, Celio Pasquini* and Emanuelle M. B. Soares

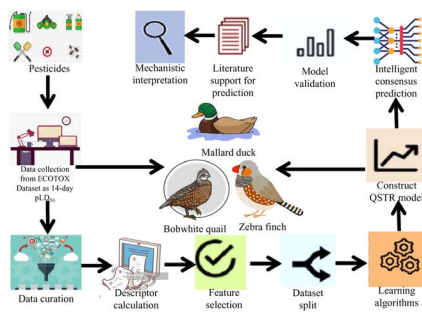
1382



Layer-wise physicochemical and elemental distribution in an urban river water, Bangladesh: potential pollution, sources, and human health risk assessment

Tapos Kormoker,* Md. Saiful Islam,* Md. Abu Bakar Siddique, Sazal Kumar, Khamphe Phoungthong, Md Humayun Kabir, Kazi Farhed Iqbal, Rakesh Kumar, Mir Mohammad Ali and Abu Reza Md. Towfiqul Islam

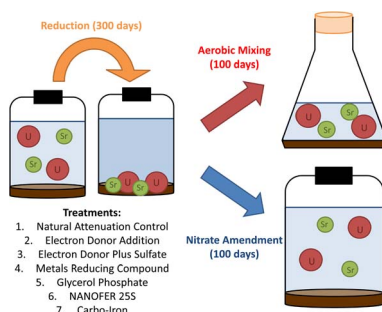
1399



Exploring regression-based QSTR and i-QSTR modeling for ecotoxicity prediction of diverse pesticides on multiple avian species

Trina Podder, Ankur Kumar, Arnab Bhattacharjee and Probir Kumar Ojha*

1423



In situ (bio)remediation treatment options for U and Sr contaminated land: a comparison of radionuclide retention and remobilisation

Gianni F. Vettese,* Katherine Morris, Matthew White-Pettigrew, Luke T. Townsend, Samuel Shaw, Christopher Boothman and Jonathan R. Lloyd*

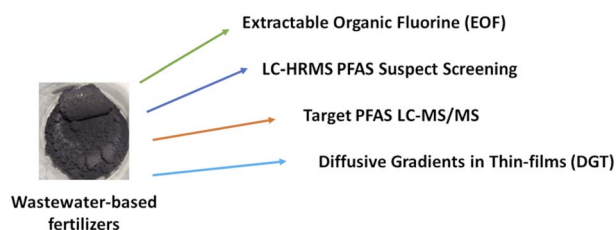


PAPERS

1436

Levels of per- and polyfluoroalkyl substances (PFAS) in various wastewater-derived fertilizers – analytical investigations from different perspectives

Christian Vogel,* Philipp Roesch, Philipp Wittwer, Christian Piechotta, Jan Lisec, Thomas Sommerfeld, Stephanie Kluge, Hannes Herzel, Thomas Huthwelker, Camelia Borca and Franz-Georg Simon



1446

Ensemble hybrid machine learning to simulate dye/divalent salt fractionation using a loose nanofiltration membrane

Nadeem Baig, S. I. Abba,* Jamilu Usman, Mohammed Benaafi and Isam H. Aljundi

