Frontiers of Environmental Science & Engineering

Aims & Scope

Frontiers of Environmental Science & Engineering (*FESE*) is an international journal for researchers interested in a wide range of environmental disciplines. The journal's aim is to advance and disseminate knowledge in all main branches of environmental science & engineering. The journal emphasizes papers in developing fields, as well as papers showing the interaction between environmental disciplines and other disciplines.

FESE is a bi-monthly journal. Its peer-reviewed contents consist of a broad blend of reviews, research papers, policy analyses, short communications, and opinions. Nonscheduled "special issue" and "hot topic", including a review article followed by a couple of related research articles, are organized to publish novel contributions and breaking results on all aspects of environmental field.

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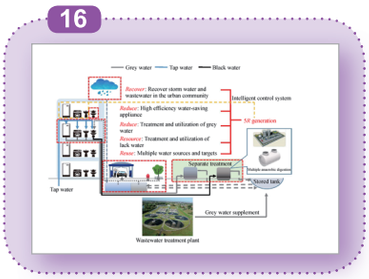
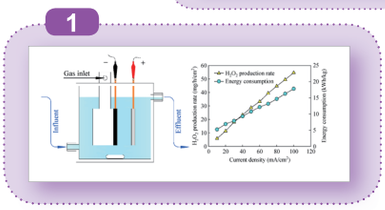
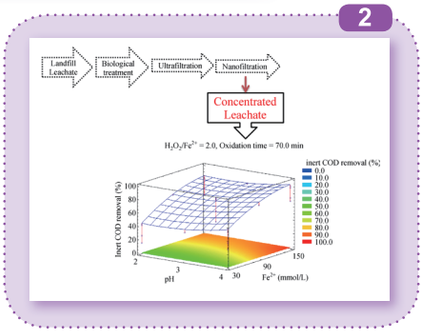
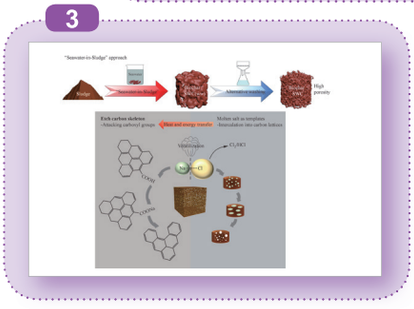
REVIEW

RESEARCH ARTICLE









4 Real drive cycles analysis by ordered power methodology applied to fuel consumption, CO_2, NO_x and PM emissions estimation

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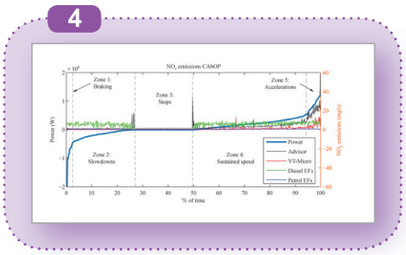

5 Evolution of humic substances in polymerization of polyphenol and amino acid based on non-destructive characterization

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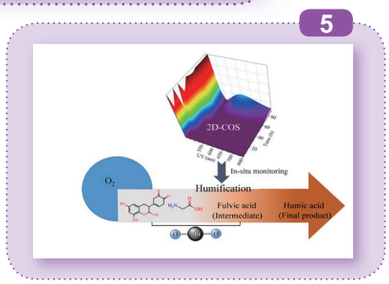

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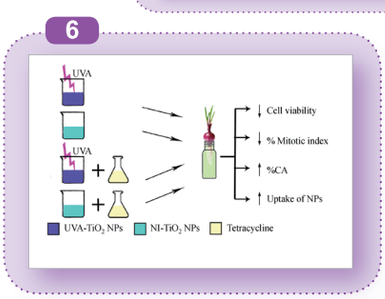

7 Effects of Fe(II) on anammox community activity and physiologic response

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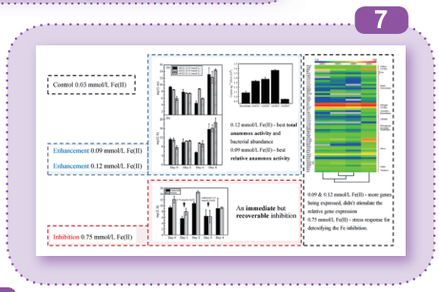

8 Ammonia removal from low-strength municipal wastewater by powdered resin combined with simultaneous recovery as struvite

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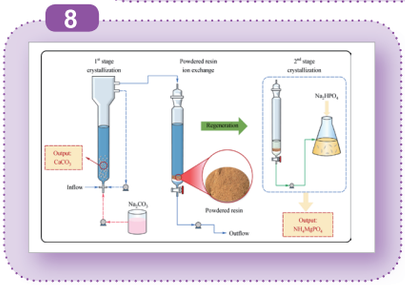

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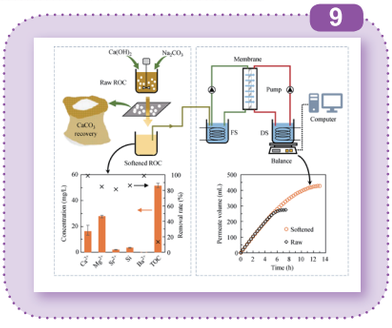

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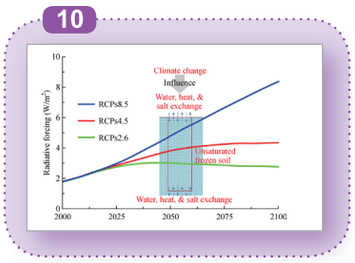

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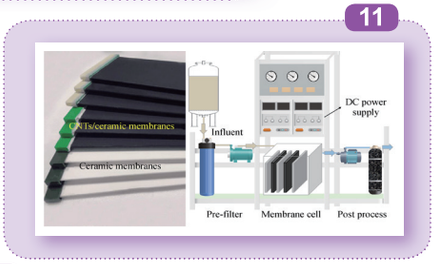

12 Acceleration of the particulate organic matter hydrolysis by start-up stage recovery and its original microbial mechanism

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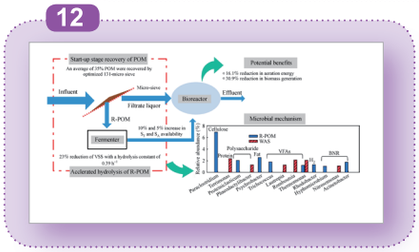

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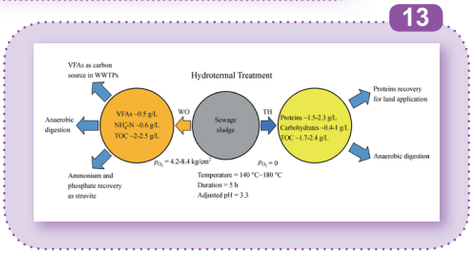

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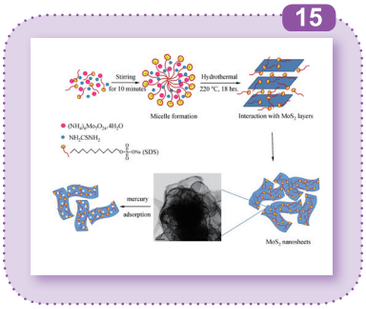

It is my great honor to succeed Prof. Jiming Hao as editor-in-chief for the journal “Frontiers of Environmental Science and Engineering” (FESE). I sincerely pay my tribute to Prof. Hao for his outstanding contribution to FESE. Without his wisdom and leadership, FESE could not have made such admirable and impressive achievements. I am aware of the arduousness and challenge of this position. Only by relying on all editorial board members, editorial colleagues, authors, and peer reviewers can we take FESE to the next level.

Driven by the demand of solving problems and the development of science and technology, environmental science and engineering has become an extremely important and irreplaceable subject field in today’s world. Under such background, FESE has published a large number of outstanding fundamental and applied research achievements under multidimensional perspectives. These papers and achievements continuously reflect and expand the frontiers of environmental science and technology, and constantly enrich the contents and implications of environmental science. FESE has become a renowned international environmental academic journal with the integration of science and technology, high outlook, vitality, and increasing influence.

Globally, the environmental discipline is showing its functionality and charm with unprecedented creativity and inclusiveness. Currently, the perspective and structure of environmental science and technology are changing and expanding, with the outlook for ecological civilization, the goal of carbon neutrality, the protection of human health and safety, and the circulation of resources. Meanwhile, with the further exploration and understanding of the natural, ecological, and social processes, environmental science and technology is led into a more profound, but unknown field. Technological, industrial and cognitive revolutions will also endow environmental science and engineering with more complex missions and challenges; .... ; Our discipline is growing under such pressures and opportunities and FESE will prosper and progress together with these great changes.

The year of 2021 will certainly be a year full of changes and expectations. Hereby, I hope that the members of editorial board and editorial office will aim high and work hard to achieve the standards and guarantee the quality of FESE; I expect that the authors will support FESE by submitting more excellent manuscripts; And I appreciate that Chinese Academy of Engineering, Tsinghua University, and Higher Education Press will combine their efforts to support FESE and bring it forward towards a world-class academic journal.

Finally, I wish all friends who care about and support the journal a happy, healthy, and successful 2021.

Jiuhui Qu

Jan. 2021