Special Issue

Waste Gas Purification Processes

Message from the Guest Editor

Volatile organic compounds (VOCs) are important precursors of combined atmospheric pollution such as PM2.5 and O3. VOCs can also cause direct or indirect harm to human health. The effective treatment of VOC pollution is the focus of air pollution control. VOC treatment technologies mainly include adsorption and recovery, condensation, membrane separation, catalytic combustion, biodegradation, low-temperature plasma, and photocatalytic degradation. The development of efficient pollution-control materials (e.g., catalysts, adsorption and separation materials) is the focus of study. Catalytic oxidation can promote the complete elimination of VOCs. The purpose of this Special Issue is to report the research trends in materials used for VOC adsorption, separation, catalytic conversion, catalytic degradation, etc. Studies on processes/mechanisms, structure-activity relationships, and by-product generation/inhibition mechanisms would be highly appreciated. It is our pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editor

Dr. Zhongshen Zhang

Research Center for Environmental Material and Pollution Control Technology, University of Chinese Academy of Sciences, Beijing 101408, China

Deadline for manuscript submissions

closed (15 May 2024)



Processes

an Open Access Journal by MDPI

Impact Factor 2.8 CiteScore 5.5



mdpi.com/si/176572

Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

mdpi.com/journal/processes





Processes

an Open Access Journal by MDPI

Impact Factor 2.8 CiteScore 5.5



About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))

