



processes



an Open Access Journal by MDPI

Microwave Conversion Techniques Intensification

Guest Editors:

Dr. Mattia Bartoli

Department of Applied Science
and Technology (DISAT),
Polytechnic of Turin, 10129 Turin,
Italy

mattia.bartoli@polito.it

Dr. Mauro Giorcelli

Department of Applied Science
and Technology (DISAT),
Polytechnic of Turin, 10129 Turin,
Italy

mauro.giorcelli@polito.it

Deadline for manuscript
submissions:

closed (31 January 2021)

Message from the Guest Editors

Dear Colleagues,

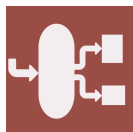
Since the assessment of green chemistry principles, the use of microwaves as valuable tool for sustainable and effective conversion technology has increased. Microwave-based processes have played a very relevant role in many technological fields, proving their feasibility. Furthermore, microwave heating has been proved as a breakthrough approach in the thermochemical conversion of polymeric materials. Additionally, the food and pharmaceutical sectors have adopted microwave processes as a common production stage in many industrial platforms. Last but not least, the manufacture of inorganics materials has also included microwave processing such as performing approach in several productions.

This Special Issue aims to provide an up-to-date picture of recent advances and outstanding innovations in the field of microwave technology. Studies of the intensification of industrial microwave procedures at lab-scale and with solid proof of concept about microwave conversions will be reported.



mdpi.com/si/31218

Special Issue



processes



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

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

Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

Author Benefits

Open Access:— free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), and many [other databases](#).

Rapid Publication: manuscripts are peer-reviewed and a first decision provided to authors approximately 11.6 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the first half of 2021).

Contact Us

Processes
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
[@Processes_MDPI](https://twitter.com/Processes_MDPI)