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Green Chemistry: Microwave Synthesis, Latest Approaches towards Sustainable Processes

Guest Editors:

Prof. Dr. Jaime Escalante
Centro de Investigaciones Químicas, Universidad Autónoma del Estado de Morelos, Av. Universidad 1001, Chamilpa, Cuernavaca 62210, Mexico

Prof. Dr. Eusebio Juaristi
1. Department of Chemistry, Centro de Investigación y de Estudios Avanzados, Mexico City 07360, Mexico
2. El Colegio Nacional, Mexico City 06020, Mexico

Deadline for manuscript submissions:
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Message from the Guest Editors

This Special Issue will document the most recent and significant advances in microwave synthesis. Each author may include in their work their immediate background, reasoning, justifications, data, graphs, interpretations, and complementary experimental evidence that allow their observations to be evaluated, compared, and reproduced. The topics in this Special Issue include, but are not limited to:

a. Experimental development of general synthesis methodologies;
b. Optimization of previously documented synthesis processes without the use of microwaves;
c. Production of compounds, either as final products or reactive intermediates, which are of interest for health, food or technology;
d. Development of theoretical, predictive, calculus or semi-empirical models that explain the use and interaction mechanics of microwaves in chemical transformation systems;
e. Proposals for scaling up processes from the laboratory to a pilot plant or chemical plant using microwaves;
f. Prototypes of microwave reactors, focusing on the publication of the results of the chemical transformations carried out within them;

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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.

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

Tel: +41 61 683 77 34
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