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Advanced Separation Processes Based on New-Generation Solvents

Guest Editors:

Dr. Pablo Navarro
Department of Chemical Engineering, Autonoma University of Madrid, 28049 Madrid, Spain

Dr. Marcos Larriba
Chemical Engineering Department, Complutense University of Madrid, 28040 Madrid, Spain

Dr. Jesús Lemus
Department of Chemical Engineering, Autonoma University of Madrid, 28049 Madrid, Spain

Deadline for manuscript submissions:
closed (31 December 2020)

Message from the Guest Editors

This Special Issue on "Advanced Separation Processes Based on New-Generation Solvents" aims to collect high-quality research articles addressing new advanced separation processes, relevant insights to well-known IL-based separations, and comprehensive review studies in well-explored topics with special interest. Topics include but are not limited to the following:

- Extraction and extractive distillation processes using new generation solvents;

- Absorption or adsorption of greenhouse gases using new generation solvents or advanced materials combined with them;

- Biomass pretreatment and fractionation with new generation solvents;

- Lab-scale specific uses of new generation solvents for separation purposes;

- Product isolation and new generation solvents recovery/regeneration;

- New generation solvents and process stability in representative operating cycles;

- Feasibility and economic analyses of whole advanced separation processes with new generation solvents.

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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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