

Special Issue

Current Status and Prospects of Adsorption and Separation in Chemical Industry

Message from the Guest Editors

The purpose of this Special Issue is to bring together research and advances on adsorption processes in different areas, such as in the petrochemical industry, environmental applications, biotechnology, and pharmaceutical industry, as well as to connect and disseminate the main results and achievements of recent projects in these areas to the scientific community. Topics to be covered include recent theoretical and experimental developments on adsorption, new techniques and methods, adsorbent characterization, and adsorption processes as well as the synthesis and tailoring of novel adsorbents, including the assessment of materials and processes. Advances in adsorption modelling ranging from molecular simulations to process simulation and optimization are also included in the scope this Special Issue, with papers including optimization, meta-heuristic methods, and machine learning also being included.

Guest Editors

Dr. Alexandre Ferreira

LSRE-LCM-Laboratory of Separation and Reaction Engineering-Laboratory of Catalysis and Materials, Associate Laboratory, Faculdade de Engenharia, Universidade do Porto, Rua Dr. Roberto Frias, 4200-465 Porto, Portugal

Dr. Maria João Regufe

Laboratory of Separation and Reaction Engineering, Associate Laboratory LSRE/LCM, Department of Chemical Engineering, Faculty of Engineering, University of Porto, 4200-465 Porto, Portugal

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

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Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

Prof. Dr. Frank L. Dorman

Department of Chemistry, Dartmouth College, Hanover, NH 03755,
USA

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