

Special Issue

Molecular Sieves: Synthesis, Characterization and Application (Concerning to the 6th Cycle of Lectures on Molecular Sieves)

Message from the Guest Editors

This Special Issue will be dedicated to Molecular Sieves concerning the annual Cycles of Lectures on Molecular Sieves held on 2013 to 2018 in Brazil (Natal, Campinas and Porto Alegre). These lectures addressed the synthesis, characterization, and application of molecular sieves materials such as zeolitic type materials, mesoporous materials (SBA-15, MCM-41, HMS, and similar), metal-organic framework structures (MOFs), porous carbons, and lamellar materials (pillared clays, HDL, and delaminated materials), and their applications in adsorption, catalysis, and separation process. This Special Issue will give a global vision of researchers from world-wide universities, research centers, and industry working on molecular sieves materials and sharing the latest results on their synthesis and characterization, giving rise a special interest in their applications in basic and industrial processes.

Keywords

- molecular sieves materials
- zeolites
- pillared clays
- mesoporous materials
- MOFs
- porous carbon
- lamellar materials
- catalysis
- adsorption
- separation

Guest Editors

Prof. Dr. Sibebe Pergher

Departamento de Química, Universidade Federal do Rio Grande do Norte, Natal, Caixa 1524, Brazil

Prof. Dr. Katia Bernardo-Gusmão

Instituto de Química, Universidade Federal do Rio Grande do Sul, Porto Alegre, RS 15003, Brazil

Deadline for manuscript submissions



Applied
Sciences

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Impact Factor 2.5
CiteScore 5.3



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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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