Editorial

Porous Materials: Synthesis, Characterizations, and Applications

Bachari Khaldoun,¹ Juan M. Coronado,² Amel Boudjemaa,¹ and Talhi Oualid³

¹*Centre de Recherche Scientifique et Technique en Analyses Physico-Chimiques, BP 384, Siège ex-Pasna Zone Industrielle, Bou-Ismaïl, 42004 Tipaza, Algeria*

²*IMDEA Energy Institute, 28935 Móstoles, Spain*

³*Universidade de Aveiro, 3810-193 Aveiro, Portugal*

Correspondence should be addressed to Bachari Khaldoun; bachari2000@yahoo.fr

Received 30 January 2016; Accepted 1 February 2016

Copyright © 2016 Bachari Khaldoun et al. This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

The interest in the field of porous materials is continually increasing; a very important step for any applications of these materials is the preparation and characterization of materials. In parallel, applications of these materials are also rising in areas such as catalysts, electrochemistry, membranes, gas separation, and selective adsorption for environmental and energy uses. Accordingly, researches in this area are often challenged with a rapidly growing literature on the subject, describing the development of porous materials with uniform pore sizes, good stability, selectivity, activity, and also enhanced crystallinity.

The contributions to the present special issue have been grouped into several categories according to their subject matter: synthesis, processing, characterizations, and property evaluation of porous materials. Contributors were requested to provide work introductions to their areas of expertise, so that the subject matter might be more generally accessible to non-specialists. Authors were also encouraged to provide the readers with updated information on different aspects of their field. The editors hope that the objectives of the present special issue have been met, so that the articles will be useful not only to working materials researchers but also to interested engineers as well as students and researchers in materials field.

*Bachari Khaldoun
Juan M. Coronado
Amel Boudjemaa
Talhi Oualid*