Special Issue

SBA-15 and Catalysis

Message from the Guest Editor

The development of heterogeneous catalysts is a growing topic for research and one of the most important areas of nanoscience. Inorganic oxides as catalysts for immobilization matrices, particularly nanostructured silica materials, which have revolutionized the field of inorganic, organic and enzymatic catalysis due to their unique properties. Among them, SBA-15 silica (Santa Barbara amorphous) exhibits a large pore size, two-dimensional p6mm hexagonal structure and uniformly distributed cylindrical channels. Therefore, SBA-15 offers an enormous increase in the contact area and the possibility of multifunctionalization, which contributes to the overall reaction yield in catalytic reactions following green chemistry principles. The present Special Issue will publish recent advances in the design, preparation and study of heterogeneous catalytic systems based on SBA-15 nanostructured materials.

Guest Editor

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