



Catalysis with Ordered Porous Materials

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Deadline for manuscript
submissions:

closed (30 June 2021)

Message from the Guest Editor

The objective of this Special Issue is to emphasize the contribution(s) that porous materials can provide to the performance of heterogeneous catalysts. We are interested in the investigation of structure–property relationships. Main fields of application targeted here are energy, fine chemistry, and pollution control processes. Supports can be zeolites, mesoporous oxides, polymers and carbons or metal-/covalent- organic frameworks. The active phases can be simple metals, metal complexes, nanoparticles, etc. and even enzymes or combinations opening up new fields of application. Thus, several examples of studies claiming an improvement in the stability of enzymes once they are grafted onto porous supports have been published, leaving the possibility of developing tandem heterogeneous catalysis involving biocatalysts and supported chemical catalysts. Other interesting issues which are not exhaustive concern photocatalysis or the possibilities of intensification by the exploitation of pre-concentration phenomena by adsorption of reagents within porous catalysts.

