



**Simposio Internacional: Zeoforum: Foro sobre la innovación en zeolitas y materiales porosos ordenados**

***International Symposium: Zeoforum: Forum on innovation in zeolites and ordered porous materials***

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## **Recent trends in the synthesis of zeolite related crystalline materials**

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The availability of materials with new advanced properties is one of the most important tool for supporting the progresses in industrial technologies. Zeolites and related ordered porous materials constitute one of the most important class for their practical relevance in many application sectors. In spite of the great volume of efforts dedicated during several decades to this field, it is surprising to note that there is still space for innovation.

The aim of this presentation is to review the most recent advancement in the mentioned field with a focus on three main topics: a) the synthesis of new framework topologies with particular attention to those having extra-large or multidimensional pore system, b) the modification of the morphological and textural properties of known zeolites, including the two-dimensional and the hierarchical porous structure, c) the silica-based hybrid organic-inorganic porous crystalline materials (Hybrid zeolites).

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