



Microscopy and Microanalysis in Nanostructured Materials

Guest Editor:

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Message from the Guest Editor

The chemical composition, structure, morphology, and particle size of functional nanostructured materials are key to their future technological application. With this in mind, it is necessary to develop new and different synthesis methods that ensure the compositional and morphological homogeneity of the obtained nanomaterials. The characterization techniques allow structural and microstructural characterizations, as well as the study of their physical properties. All of this contributes to the establishment of the structural–microstructural–property relationships, which allows us to understand their technological applications.

A detailed structural characterization must be performed in order to understand the mechanisms that control the functional behavior of these nanostructured materials at an atomic level, using the information obtained from advanced microscopy techniques, which allows the simultaneous acquisition of structural and compositional data at an atomic scale for the development of more effective devices.

Full papers, communications, and reviews are all welcome.





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Message from the Editor-in-Chief

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