

Special Issue

NMR Characterization of Amorphous and Disordered Materials

Message from the Guest Editor

Nuclear magnetic resonance spectroscopy continues to be a powerful technology for the characterization of materials at the molecular level. The ability to probe nucleus-specific questions, combined with recent improvements in sensitivity, resolution, spin coherence manipulation, quantum chemical calculations, and multivariate/chemometric analysis, render NMR a rich field.

The focus of this Special Issue is to explore these recent NMR advances for the characterization of real-life materials being used in sensing, energy, quantum computing, advanced manufacturing, biomedical, and environmental remediation applications, including self-assembled materials, super-molecular and stimuli-responsive polymers, polymer membranes, composites, MOFS, liquid crystalline polymers, ceramics, glasses, biomaterials, catalyst, and surface-modified nanoparticles. This Issue will offer an overview of some of the exciting opportunities NMR can provide in material characterization.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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