



NMR Characterization of Amorphous and Disordered Materials

Guest Editor:

Prof. Dr. Todd M. Alam

Department of Organic Materials
Science, Sandia National
Laboratories, Albuquerque, NM
87185, USA

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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.





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Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
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Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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