Special Issue

Novel Advances in Nuclear Magnetic Resonance (NMR) for Materials Science

Message from the Guest Editors

NMR is a powerful experimental technique that can be applied to solids and solutions in order to resolve details of the structure, chemical speciation, and species interactions occurring in materials. This non-destructive technique covers a wide range of applications not only in the basic sciences of chemistry, biology, and physics, but also in the fields of geology, medicine, health, and industry. Indeed, the presence of NMR active nuclei such as 1H, 13C, 19F, 27Al, 29Si, and 31P in all materials makes the application of NMR spectroscopy so popular. Crucial information is obtained about the molecular and electronic structure of the system from the NMR chemical shift, the resonant frequency of a particular nucleus relative to a standard in an NMR spectrum. In this Special Issue, we invite submissions exploiting NMR spectroscopy focusing the state-of-the-art applications of NMR experiments, both solution and solid state, in the fields of material sciences. Review papers about applications of NMR in general or any particular area are also welcome.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2021)



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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