

## Special Issue

# NMR Spectroscopy in Materials Chemistry

### Message from the Guest Editors

Chemical shifts and spin-spin coupling constants observed by NMR spectroscopy are very sensitive to the valence and core electronic structures of molecules and represent an indispensable strategic tool of their structural elucidation. Nowadays, it is rare that modern synthetic work can do without the combination of the state-of-the-art homo- and heteronuclear NMR techniques with high-quality quantum chemical calculations. This especially concerns synthesis of novel compounds containing heavy elements, for which there may occur mis-assignments of NMR signals. In this sense, the development of new computational approaches, relativistic or not, to the NMR parameters that are intended to increase the accuracy of NMR spectra simulation is of paramount importance for today. This Special Issue entitled "NMR Spectroscopy in Materials Chemistry" will provide researchers with the opportunity to publish their most recent discoveries in the field of high-quality experimental NMR studies of organic and inorganic compounds as well as the theoretical studies of the NMR spectral parameters. Dr. Irina L. Rusakova

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### Guest Editors

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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