Special Issue

Solvated Metal Ions: From Solution to Solid

Message from the Guest Editor

Solvated metal ions play a crucial role in different fields. They are present in natural and industrial waters, brines, biological liquids, and in different solids including functional materials like sorbents, catalysts, etc. The study of metal-solvent bonding and its dependence on the properties of interacting particles (metal ion size and charge, solvent donor number, softness of the components) is essential for the development of new methods of metal extraction from the ores, its recovery from the industrial wastes, the production of new sorbents and catalysts with optimized properties and also for the solution of some medical problems closely related to metal ion transformation both in liquids (blood, lymph) and in solids (bones).

Guest Editor

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