Special Issue

Advances in Magnetotelluric Analysis

Message from the Guest Editors

The magnetotelluric (MT) analysis method is now an important tool for imaging complex systems. Over recent years, many and different MT studies for several and diverse problems have been reported. However, studying EM fields behavior in the context of a realistic systems is a nontrivial task from a numerical modeling perspective. The presence of high conductivity contrasts, large-scale variations, and complex geometries arises as main challenges. Fortunately, although numerically challenging, the MT imaging of realistic setups is feasible given the numerical and computational advancements that have been achieved in the MT modeling community in recent decades. In this issue, we aim to focus on the aforementioned problems, specially targeting those with high potential for industrial applications.

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Magnetochemistry constitutes a multidisciplinary field where chemists and physicists not only study magnetic properties but also design and synthesize chemical compounds with desired magnetic properties. *Magnetochemistry* is inviting contributions in any field related with this area, such as theoretical models, crystal engineering, molecular magnetism, SMM, SIM, SCM, SCO, magnetic nanostructures, magnetic MOFs, magnetic recording, qubits, magneto-caloric materials, etc. Our goal is to share your contribution in a timely fashion and in a manner that will be valued by the scientific community.

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