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Advances in Applied Geophysics

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Message from the Guest Editors

In the context of the increasing demand for knowledge of the physical properties of the Earth's crust with geophysical measurements, the development of new approaches for the characterization of the Earth's crust is a crucial issue.

This Special Issue aims to bring together the most recent works on the application of geophysical methods for the imaging of the Earth's crust along with the possible environmental, engineering, and hydrogeological applications, for the fine characterization of the near surface structure.

Without being exhaustive, the concerned methods are seismics, electromagnetics (e.g., magnetotellurics, time-domain electromagnetics, radar), active electrical methods (e.g., electrical resistivity tomography and induced polarization) or passive electrical methods (spontaneous potential), nuclear magnetic resonance, and even microgravimetry. Contributions focusing on the petrophysical laws, along with the application of modern satellite technique, such as satellite geodesy, interferometry, gravity etc., which may be combined with classical geophysical and seismological methods for the solution of geophysical problems are also welcome.



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Special Issue



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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.

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