

Special Issue

Methods for Exploration of the Continental Crust

Message from the Guest Editors

The continental lithosphere not only provides many of the natural resources that are essential to the health of our society but also hosts many of our most serious natural hazards. Our current view of this critical portion of the Earth is informed by many major exploration initiatives that, over the past several decades, were largely stimulated by technological advances across a diverse span of methodologies. Examples range from deep controlled source seismic profiling to passive receiver functions derived from teleseismic sources, from tomography of local and teleseismic sources to surface wave tomography using ambient “noise”, and from deep magnetotelluric sounding to satellite gravity measurements, all informed by the latest geological and geochemical advances. In this Special Issue, we seek contributions that assess the impact of these technologies on our current understanding of the structure of the continental lithosphere and that highlight the recent technological advances that promise new insight into the persistent questions about its evolution.

Guest Editors

Prof. Dr. Larry Douglas Brown

Prof. Dr. Alan G. Jones

Prof. Dr. Eric Sandvol

Deadline for manuscript submissions

closed (1 December 2022)



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Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

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