

Special Issue

Isotope Applied in Palaeogeography and Palaeoclimatology

Message from the Guest Editors

This Special Issue of *Geosciences* aims to present recent advances in the application of stable isotopes in various fields of paleoclimate and paleogeography research. Past climates left their signatures in sediment records worldwide. In particular, this refers to the isotopic composition of elements that constitute biogenic and inorganic components of sedimentary rocks. For example, it is widely known that oxygen isotopes in ancient carbonates enable reconstruction of paleotemperatures and strontium isotopes are not only a tool for global stratigraphy but also provide information on paleoenvironmental conditions (marine versus non-marine). In general, stable isotope records are successfully used for investigating various ancient continental and marine settings. Knowing the various paleoclimatic parameters (temperature, humidity, etc.), one can infer paleogeography on a global or regional scale.

Guest Editors

Dr. Tadeusz Peryt

Polish Geological Institute – National Research Institute, 00–975
Warszawa, Poland

Dr. Marek Jasionowski

Polish Geological Institute – National Research Institute, Rakowiecka 4,
00-975 vWarszawa, Poland

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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

Prof. Dr. John C. Eichelberger

Alaska Center for Energy and Power, University of Alaska Fairbanks,
Fairbanks, AK, USA

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