Special Issue

Oceanic Anoxic Events and Black Shales Sedimentation

Message from the Guest Editor

Oceanic anoxic events (OAEs) represent significant changes in the climatic and paleoceanographic state of the planet, and are associated with major disturbances in the global carbon cycle, that have been recorded through Black Shale Sedimentation. Five (5) main OAEs have been recorded worldwide from the Paleozoic Era. Even though during these events, the climatic conditions would represent a typical “Greenhouse World”, they have a lot of differences between them; and therefore, the trigger mechanism is still debatable and cannot account for all OAEs. Recent studies on Oceanic Anoxic Events and Black Shale Sedimentation are focused on the research of plethora of geochemical indicators providing more details and characteristics of the paleoclimatic conditions that occurred during each time. This special issue focuses on providing a comprehensive update on the state of the art regarding the Oceanic Anoxic Events and Black Shale Sedimentation and invites contributions from all OAEs and geochemical fields.

Guest Editor

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