

Special Issue

Ocean-Atmosphere Interaction

Message from the Guest Editor

Earth climate and weather are known to be strongly affected by air–sea exchanges of heat and moisture. Major advances in our knowledge of ocean–atmosphere interaction in the last decades have revealed the relevance of the exchange not only of energy, but of gases and particles across the air–sea interface in global budgets. Growing evidence shows that these exchanges are controlled by a variety of physical, chemical and biological processes that operate across a broad range of spatial and temporal scales in the upper ocean and lower atmosphere. This improved understanding of ocean–atmosphere interaction processes has been the result of interdisciplinary observation efforts including a wide range of measurements (oceanographic sections, buoys, Argo floats, gliders, autonomous profilers, etc.) and its combination with models that assimilate such data. This Special Issue on ocean–atmosphere interaction welcomes original research related to observed and modelled magnitude and variability of air–sea exchanges and associated control processes in the upper ocean and lower atmosphere.

Guest Editor

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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

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