ANTHROPOCENE

DESCRIPTION

Anthropocene is an interdisciplinary journal that publishes peer-reviewed works addressing the nature, scale, and extent of interactions that people have with Earth processes and systems. The scope of the journal includes the significance of human activities in altering Earth's landscapes, oceans, the atmosphere, cryosphere, and ecosystems over a range of time and space scales - from global phenomena over geologic eras to single isolated events - including the linkages, couplings, and feedbacks among physical, chemical, and biological components of Earth systems. The journal also addresses how such alterations can have profound effects on, and implications for, human society. As the scale and pace of human interactions with Earth systems have intensified in recent decades, understanding human-induced alterations in the past and present is critical to our ability to anticipate, mitigate, and adapt to changes in the future. The journal aims to provide a venue to focus research findings, discussions, and debates toward advancing predictive understanding of human interactions with Earth systems - one of the grand challenges of our time.

The journal seeks contributions focused on the following themes pertaining to the expanding concept of the Anthropocene:

The early Anthropocene: How and when were past human interactions with Earth systems registered in the geologic and environmental records? Evidence and causes of large-scale human impacts; and quantifying recent, current and future anthropogenic impacts. Couplings among bio-physical and human processes, including societal responses to human-induced environmental change. Risk and environmental sustainability in an Anthropocene 21st century.

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