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Lake Sediments: An Invaluable Archive of Earth Critical Zone Trajectories

Guest Editors:

Dr. Fabien Arnaud

Dr. Pierre Sabatier

Dr. Charline Giguet-Covex

Dr. Jean-Philippe Jenny

Deadline for manuscript submissions:
closed (31 December 2021)

Message from the Guest Editors

We aim at enlightening how lake sediments are invaluable and sometimes, underrated, archives of ECZ (Earth Critical Zone). This will concern the identification and long-term reconstruction of forcing mechanisms (climate, geodynamics, human-induced pressures) as well as ECZ reactions, both through the biotic and the abiotic compartments. Methodological reviews will be particularly welcome in order to provide a valuable amount of technical, methodological and conceptual milestones for future researchers. We are also seeking for papers displaying and/or discussing emergent techniques, from field operations up to the most sophisticated lab analyses. Finally, we are keen to display the advancement in lake sediment-related computing science, including data management, meta-analysis or numerical modelling.

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Editor-in-Chief

Prof. Dr. Jef Vandenberghe
Department of Earth Sciences, VU University, De Boelelaan 1085, 1081 HV Amsterdam, The Netherlands

Message from the Editor-in-Chief

We live in a Quaternary world, that is, a world shaped by the interplay of the different compartments of the earth system—lithosphere, hydrosphere, atmosphere, biosphere, cryosphere—during the last ~2.6 million years. It is not possible to understand the current world—and, hence, to anticipate its possible future developments—without knowing the Quaternary history of drivers, processes, and mechanisms that have generated it. Our own species is an evolutionary outcome of the Quaternary performance. Therefore, the journal *Quaternary* is born with the aim of being an integrative journal to encompass all aspects of Quaternary science focused on understanding the complex world in which we live and to provide a sound scientific basis to anticipate possible future trends and inform environmental policies.

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Contact Us

Quaternary Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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mdpi.com/journal/quaternary
quaternary@mdpi.com
𝕏@Quaternary_MDPI