Special Issue

Quaternary Environmental Change and Fluvial History

Message from the Guest Editor

The interaction between climate change and the substrate in which river valleys developed during the interglacial and glacial periods is one of the acquired sources of knowledge for Quaternary fluvial systems. The history of the development of fluvial forms depends on many factors. Not only the geographic location, climatic zone or geological structure, but the size of the valleys or even the direction of the valley forms point out that each valley on Earth is individual. Even the study of the same river valley, but in different sections of it, shows its polygenicity and complexity.

"Quaternary Environmental Change and Fluvial History", include original papers related to basic and applied research on the geology and geomorphology, against the role of the tectonics and climatic oscillations during glacial and interglacial periods within the last million years.

Geomorphometric, GIS, lithopetrographic, sedimentological, bio- and zoostratigraphic, geochemical and geochronological (chronostratigraphic) analyses have been provided and presented in the sources and will contribute to providing information on the upbringing of the river valleys in time and space.

Guest Editor

Dr. Lucyna Wachecka-Kotkowska

Department of Geology and Geomorphology, Faculty of Geographical Sciences, University of Lodz, Łódź, Poland

Deadline for manuscript submissions

closed (30 September 2023)

Quaternary

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 4.1

mdpi.com/si/91650

Quaternary
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
quaternary@mdpi.com

mdpi.com/journal/quaternary

Quaternary

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 4.1

mdpi.com/journal/quaternary

MDPI

About the Journal

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.

Editor-in-Chief

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

Author Benefits

Open Access

— free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, ESCI (Web of Science), GeoRef, and other databases.

Journal Rank:

CiteScore - Q2 (Earth and Planetary Sciences (miscellaneous))