

## Special Issue

# Advances in Quaternary Studies: The Contribution of Mammalian Fossil Record

### Message from the Guest Editor

The evolutionary history of mammals, which led to today's biodiversity and biogeographical setting, mingles with those of paleogeographic, climatic and environmental changes. The Quaternary period, recording the most dramatic change in the Earth climate system, is of particular interest when scrutinizing the causal factors leading to the progressive reconstruction of mammalian communities, and the changes in biogeography and biodiversity. The Special Issue aims to present the state-of-the-art and the diversity within the field, the most advanced research on fauna dynamics to evaluate the significance of the species responses to climate changes, and to compare evolutionary scenarios during time and across space. Deciphering the complex mechanisms driving fauna evolution is of crucial relevance to understand the actual meaning of the so-called sixth mass extinction, and to plan appropriate actions for biodiversity conservation in view of the ongoing climate warming.

### Guest Editor

Prof. Dr. Maria Rita Palombo

1. IGAG, CNR, c/o Area della Ricerca di Roma 1 Via Salaria km 29,300, 00015 Montelibretti, Italy
2. In unam Sapientiam Foundation, Sapienza University of Rome, P.le Aldo Moro, 5, 00185 Roma, Italy

### Deadline for manuscript submissions

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## Quaternary

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*Quaternary*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[quaternary@mdpi.com](mailto:quaternary@mdpi.com)

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## 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.

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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

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