



## **Taphonomy and Palaeoecology of Quaternary Vertebrates: Advances in Fossil and Experimental Studies**

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Deadline for manuscript  
submissions:

**closed (20 September 2021)**

### **Message from the Guest Editors**

Taphonomic studies allow for a better understanding of the processes of formation and preservation of fossil assemblages, and the identification of biases can alter the palaeoenvironmental interpretations deduced from faunal lists. A taphonomic analysis of a fossil assemblage is an essential prerequisite for palaeoecological studies. In turn, palaeoecology uses fossils data to examine how organisms and environments change throughout time. By studying patterns of evolution and extinction under environmental change, palaeoecologists can examine concepts of vulnerability and resilience in species and environments at different scales. The Quaternary period is well represented in geographically extensive and high-temporal-resolution records and particularly important to human evolution. Vertebrate assemblages are frequently well preserved in Quaternary deposits. Recently, taphonomic and palaeoecological analysis on Quaternary vertebrate assemblages have greatly developed, and we want to encourage contributions from (not restricted to) palaeontology, zooarchaeology, palaeoanthropology, palaeoclimatology, paleoenvironmental studies and modern taphonomic referentials and experiments.





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## Message from the Editorial Board

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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