

Special Issue

Advances in Paleopathology and Paleohistology in Quaternary Vertebrates

Message from the Guest Editors

This Special Issue, "Advances in Paleopathology and Paleohistology in Quaternary Vertebrates", will present the state of the art in these fields of study, focusing specifically on Quaternary mammals and innovative research methodologies. We invite you to submit work on topics related to the close correlation between bone and dental histology and mechanical stress induced by the environment, which can help in reconstructing an individual animal's lifestyle, feeding behaviours, taxonomic assessments, and phylogenetic signals; bone morphology applied to studies on allometry and skeletal development, histomorphometric analyses of osteons, the relief of growth arrest lines, and calculations of skeletal chronology. Original studies on Quaternary vertebrates that explore possible correlations between paleopathology or paleohistology and evolution research are also welcome.

Guest Editors

Prof. Dr. Maria Rita Palombo

Prof. Marco Zedda

Dr. Ramona Babosova

Prof. Dr. Vijay Sathé

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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.

Editor-in-Chief

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