

Special Issue

Paleontology in the 21st Century

Message from the Guest Editors

in this Special Issue, we highlight recent, groundbreaking advances in the study of ancient life on planet Earth. We welcome topics including, but not limited to:

- Brief reviews of the state of paleontological science, and how the study of fossil remains has changed in the last few decades.
- New interpretations of data resulting from applications of methods new to paleontology.
- New databases (such as DNA and protein sequence databases) against which to compare data derived from fossils.
- Advancing the understanding of tempo and mode in evolution.
- The integration of paleontological perspectives into various disciplines (e.g. Biology, Ecology, Microbiology, Conservation biology, Developmental Biology, Molecular Biology, Genomics, and even Computer Science).
- The recognition of long-term environmental change and organismal responses to it, as revealed from fossil and sedimentological data.
- Novel insights into evolutionary relationships between living and extinct taxa.
- Pathways of preservation and taphonomic modes, revealed through new biogeochemical analyses.
- ...

Guest Editors

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Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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