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## **Recent Advances in Bone Diagenesis**

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Deadline for manuscript submissions: closed (7 March 2025)

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#### Message from the Guest Editors

Dear Colleagues,

In this Special Issue, we highlight recent groundbreaking advances in the study of diagenesis and the fossilization of bones, teeth, and other bioapatitic structures. Manuscripts are welcome which discuss topics including, but not limited to:

The transformation of bone from a living tissue to a stable fossil; Mineralogic transformations occurring during the fossilization of bones and teeth.; Novel applications of trace elements to understanding the diagenetic history of vertebrate fossils; New analytical approaches to studying the diagenesis of vertebrate remains; Results of new actualistic experiments concerning bone diagenesis; Recognition of diagenetic alterations to, and interpretation of, stable isotopic data from fossil bones, teeth, and other bioapatitic structures; Advances in constraining the types and timings of diagenetic events affecting vertebrate fossils; Microbial interactions with bone after death and burial; New insights into comparative taphonomy and diagenesis of bone in natural depositional environments (i.e., taphonomic modes); The molecular taphonomy of bones and teeth, including controls on biomolecule preservation within such fossils.







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### **Editor-in-Chief**

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#### Message from the Editor-in-Chief

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