

## Special Issue

# Biom mineralogy: Interactions Between Benthic Organisms and Rocky Substrates

### Message from the Guest Editors

The interaction between abiotic and biotic factors profoundly influences the settlement, recruitment, and survival of sessile marine species across various spatial and temporal scales. Among these factors, substrate mineralogy plays a crucial role, often overlooked yet pivotal in determining species' success. Certain marine larvae exhibit selectivity towards specific rock types, optimizing their settlement outcomes. Additionally, microbial biofilms, influenced by substrate lithology, further shape benthic community structures. The mineral composition of substrates affects a broad spectrum of organisms, thereby influencing community compositions. Understanding the nuanced contributions of mineral composition over grain size in organism settlement is complex, given the multifaceted nature of these processes. The Special Issue "Biom mineralogy: Interactions Between Benthic Organisms and Rocky Substrates" seeks to review and present new insights into how rock features such as mineral composition, structural arrangement, grain size, surface roughness, color, and thermal capacity influence qualitative and quantitative differences among marine communities settled on various bedrocks.

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### Deadline for manuscript submissions

closed (31 July 2025)



## Animals

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## About the Journal

### Message from the Editor-in-Chief

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