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Applications of Ecological Stoichiometry for Biodiversity Conservation

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Message from the Guest Editor

Dear Colleagues

In this Special Issue, we mainly explore the following important topics: i) How do the organism stoichiometric characteristics relate to species richness and diversity patterns (i.e., alpha, beta and gamma diversity) at different spatiotemporal scales? ii) What is the role of stoichiometric characteristics in determining species' coexistence, interactions, and invasions? iii) How do the stoichiometric characteristics regulate the biodiversity–ecosystem functioning relationships in ecosystems? iv) How do human-related biological conservation strategies shape ecological stoichiometric characteristics across different species organization levels and timescales? We hope this Special Issue can enhance our mechanistic understanding of biodiversity patterns and drivers from the perspectives of stoichiometric characteristics and nutrient use strategies and promote biological conservation, ecological management, climate change mitigation, and sustainable development in the future.

Dr. Zhengbing Yan

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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We invite papers and reviews on multidisciplinary topics of diversity that bridge organismic diversity (systematics, biodiversity, phylogeny, population genetics, and evolution) and molecular diversity (phytochemistry and biophysics).

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