Special Issue

Incorporating Physiological Data into Environmental Resilience Models

Message from the Guest Editor

Researchers typically concern themselves with abundance and diversity, with higher values normally deemed favorable. This interpretation prevails despite the fact that human population densities may just as commonly correlate *inversely* with individual metrics of health (e.g., lifespan). What this signifies is that, rather than exclusively counting the number of constituents during surveys, those interested in predicting how Earth's ecosystems will respond to global climate change and other stressors need also consider the physiological condition of the resident organisms. In this Special Issue of *Diversity*, I seek articles from anyone interested in applying what we know about organismal performance in the laboratory and in situ towards the development of tools that will allow us to triage ecosystems along a stress-susceptible to physiologically robust performance spectrum. Priority will be given to those articles that both develop diagnostic systems and exploit the data generated to construct models that can be used to delineate ecosystem health and resilience.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Diversity (ISSN 1424-2818) is a scholarly journal that covers all areas of diversity research. Our distinguished editorial board and refereeing process ensures the highest degree of scientific rigor for publishing. Original research articles and timely reviews are released online, with unlimited free access.
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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.1 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

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