Special Issue

Metabolites Focused on Wildlife and Conservation Biology

Message from the Guest Editor

We are pleased to announce a Special Issue of the journal *Metabolites* dedicated to the use of metabolomic profiling to enhance our understanding of factors contributing to the health and conservation of aquatic, terrestrial and flying invertebrate and vertebrate wildlife. Although metabolome analysis is now well established as a cornerstone analytic approach for characterizing the role of key metabolites in human and companion animal health, its role in conservation biology is in its infancy. We are just beginning to characterize baseline circadian, seasonal and circannual metabolic responses to the environmental changes encountered by free-ranging wildlife. This issue of *Metabolites* will embrace this essential first step by realizing the potential use of metabolomics in assessing wildlife health and identifying factors contributing to population decline. We seek manuscripts that compare and contrast metabolic responses of free-ranging and captive wildlife that enhance our understanding of how native fauna respond to the abiotic and biotic complexity of natural ecosystems (e.g., food-web resources, climate).

Guest Editor

Prof. Dr. Jay F Levine

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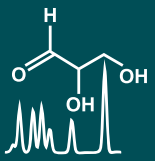
Deadline for manuscript submissions

closed (15 October 2022)



Metabolites

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Impact Factor 3.7
CiteScore 6.9
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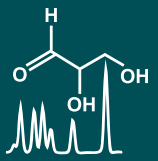

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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

Dr. Amedeo Lonardo
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