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Trends and Outlooks in Ecological Research: The Use of Physiological Biomarkers in Wildlife and Applied Ecology

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Message from the Guest Editors

This Special Issue, edited by Dr. Michael Sheriff and Dr. Abbey Wilson, will focus on the identification of physiological biomarkers for use in wildlife and how such information can better our understanding of biological mechanisms and physiological responses to environmental challenges. A broad range of taxa including birds, mammals, insects and fish as well as a broad range of physiological biomarkers including changes in glucocorticoid stress responses, immunity, neurobiology, metabolic parameters, and nutritional physiology will be covered in this Special Issue. Advances in this multidisciplinary field of study will be presented by promoting the exchange of ideas between researchers working at different levels of study (e.g., individual, population, and ecosystem) and in different fields of study (e.g., genomics, endocrinology, landscape ecology).

This Special Issue will also highlight areas where future research is needed and provide the framework for ecologists and biologists to further the use of physiological biomarkers in wildlife and applied ecological studies.



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Special Issue



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Message from the Editor-in-Chief

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