Special Issue

Genetics Meets Shape: Interdisciplinary Approaches to Biological Invasions

Message from the Guest Editors

Biological invasions are among the greatest challenges in biodiversity conservation, food security, and ecosystem health. Invasive species can rapidly adapt, alter ecosystem functioning, and displace native species. Understanding invasion success requires interdisciplinary approaches that integrate ecology, genetics, and morphology.

This Special Issue will focus on research that combines population genetics and geometric morphometrics to address central questions in invasion biology. We welcome studies on vertebrates, invertebrates, and vectors of medical or veterinary importance.

Contributions may include agricultural pests that endanger food systems, insect vectors affecting public health, or exotic species that are becoming established in extreme environments such as Antarctica.

We invite articles and reviews on genetic and morphological signatures of invasions, phenotypic plasticity and rapid evolution, integrative genomic—morphometric approaches, vectors and pests, invasions in polar and subpolar ecosystems, and biosecurity applications.

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About the Journal

Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. Animals adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. Animals is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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