



animals



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Applications of Physiological Tools to Assess the Welfare of Crustaceans, Mollusks and Fish

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Deadline for manuscript submissions:

closed (31 August 2022)

Message from the Guest Editors

Dear Colleagues,

Society is increasingly aware of animal welfare, especially that of animals used as a source of protein for human consumption. In aquatic environments, welfare is not always easy to assess for some of the main species that interact with humans. Classical tools related to emotional state and animal behavior have been well developed for fish, but this methodology has yet to be developed with certainty for other relevant groups, such as mollusks and crustaceans. We recently addressed this issue in a general review of the potential of physiological tools to assess the welfare of major aquatic taxonomic groups associated with human activity ([10.3390/biology10010061](https://doi.org/10.3390/biology10010061)). Through this Special Issue, we want to explore this aspect more deeply through original research articles or specific reviews focused on the application of physiological and cellular responses to stress to assess welfare in mollusks, crustaceans, and fishes. Special attention will be given to those papers and reviews focused on the application of physiological tools to improve animal welfare in aquaculture, fisheries, research, and exhibition.



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Special Issue



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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: 3.0 (2022, ranks 12 /62 (Q1) in ‘Agriculture, Dairy & Animal Science’; 13/143 (Q1) in ‘Veterinary Sciences’), 5-Year Impact Factor: 3.2.

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