

Special Issue

Aquatic Animal Medicine and Pathology 2nd Edition: Host-Pathogen Interactions

Message from the Guest Editors

The already noticeable implications of global warming associated with changes in pathogen life cycles, transmission, the extension of the infectious season, and the geographical expansion of disease-affected areas, coupled with global warming effects on the fitness and condition of aquatic animals worldwide, are posing new challenges to an already major bottleneck to the aquaculture industry's development and the survival of aquaria and wild marine animals. Understanding disease processes in known and new outbreaks, especially host-pathogen crosstalk, is crucial to developing innovative solutions, optimizing epidemiological models, and creating countermeasures to limit disease impacts on aquatic animals. In line with this, the second edition of this Special Issue welcomes original scientific and review articles on key and emerging aquatic animal diseases and their impact on the hosts, covering pathogen characterisation, host-pathogen interaction, transmission, pathogenesis, global warming effects, and novel treatment strategies. Articles focusing on multiomics, new health monitoring techniques, and innovative approaches are also welcome for publication.

Guest Editors

Dr. Márcio Júlio Vicente Moreira

Bio1OneHealth, Lda., Universidade do Algarve, Campus de Gambelas, Pavilhão B1, 8005-139 Faro, Portugal

Dr. Florbela Soares

1. IPMA—Portuguese Institute for the Ocean and Atmosphere, Av. Parque Natural da Ria Formosa s/n, 8700-194 Olhão, Portugal

2. S2AQUAColab—Association for a Sustainable and Smart Aquaculture, Av. Parque Natural da Ria Formosa s/n, 8700-194 Olhão, Portugal

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
animals@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Curtin University Sustainable Policy (CUSP) Institute, Curtin University, Kent St., Bentley, WA 6102, Australia

2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, Australia

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