



animals



an Open Access Journal by MDPI

Trophic Web and Predator–Prey Dynamics in Marine Environment

Guest Editor:

Dr. Pietro Battaglia

Integrative Marine Ecology
Department, Stazione Zoologica
Anton Dohrn, SZN Sicily Marine
Centre, Messina, Italy

Deadline for manuscript
submissions:

closed (31 January 2023)

Message from the Guest Editor

Dear Colleagues,

Trophic ecology is a crucial theme in the study of all marine systems and the understanding of ecosystem functioning. The trophic relationships between organisms, predator–prey dynamics and food web structure are extremely various and complex, but their knowledge is essential for the description of energy flows between trophic levels, marine communities and compartments (e.g., pelagic and benthic). Several methodological approaches have been developed to investigate the feeding ecology of marine organisms, such as stomach content analysis, stable isotope analysis and DNA metabarcoding. The equilibrium of the marine trophic web is influenced by ecosystem attributes, such as physical-chemical factors, nutrient cycling and oceanography, but also by human activities and impacts. Furthermore, predator–prey relationships are among the most important drivers influencing species' behavior, life strategies and evolution. The purpose of this Special Issue is to publish original research papers, case studies and review articles focusing on the latest advances in the trophic web and predator–prey dynamics in marine environments.



mdpi.com/si/100799

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine
and Animal Sciences, Estonian
University of Life Sciences,
Kreutzwaldi 1, 51014 Tartu,
Estonia
2. Curtin University Sustainability
Policy (CUSP) Institute, Kent St.,
Bentley 6102, Australia

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PubAg, AGRIS, Animal Science Database, CAB Abstracts, and other databases.

Journal Rank: JCR - Q1 (Veterinary Sciences) / CiteScore - Q1 (General Veterinary)

Contact Us

Animals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/animals
animals@mdpi.com
[X@Animals_MDPI](https://twitter.com/Animals_MDPI)