



water

an Open Access Journal by MDPI



Role of Water in the Metabolism and Life of Living Organisms

Guest Editors:

Prof. Dr. Monica Butnariu

Chemistry & Biochemistry
Discipline, Banat's University of
Agricultural Sciences and
Veterinary Medicine "King
Michael I of Romania" from
Timisoara, 300645, Calea
Aradului 119, Timis, Romania

Dr. Radu-Vasile Bagiu

Department of Microbiology,
Hygiene Discipline, "Victor
Babes" University of Medicine
and Pharmacy, Timisoara,
Eftimie Murgu square, number 2,
300041, Romania

Deadline for manuscript
submissions:

closed (31 July 2021)

Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on recent advances and future developments in the Role of Water in the Metabolism and Life of Living Organisms. Water is an area of permanent interest and concern for public health due to the causal relationship between the quality and quantity of water available to the population and the state of health. An incomplete summary of invited contributions includes:

- Modeling and simulation studies for the role of water in photosynthesis;
- Role of water in cell function;
- Role of water in seed germination;
- Water potential in plant biology;
- The primary role of water in the body;
- The role of water in the digestive mechanism;
- Development and evaluation of models for the role of drinking water in weight loss;
- Association of water and the process of maintaining the health of living organisms;
- Metabolic water (endogenous water) and exogenous water;
- The importance of water in a diet plan;
- The role of water in microbiology, hygiene, etc.

Prof. Dr. Monica Butnariu

Dr. Radu-Vasile Bagiu

Guest Editors



mdpi.com/si/56239

Special Issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology
and Environment, Centre
National de la Recherche
Scientifique (CNRS), University of
Toulouse, Campus ENSAT,
Auzeville Tolosane, France

Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (*Water Science and Technology*)

Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)