

Special Issue

New Advances in Hydroponics and Aquaponics for Urban Agriculture

Message from the Guest Editors

Hydroponics production has been evolving for more than 90 years. From the 1950s to the early 2000s, most of the developments were achieved in the context of intensive, high tech, and large scale production. These improvements resulted in a very productive sector that made efficient use of water and nutrients. More recently, various innovative strategies have been explored in order to adapt hydroponics to urban and peri-urban environments all over the world. This exploration involves the drastic diversification of the techniques, space occupation, social, and economic models. The lack of space in cities has stimulated the development of vertical systems, small scale farms, and the occupation of new spaces such as building basements, rooftops, and containers. The level of technicality was either increased in order to obtain higher productivity and efficiency or otherwise simplified to decrease the cost while maintaining production... For more details, please see:

https://www.mdpi.com/journal/water/special_issues/Hydroponics_Aquaponics

Guest Editors

Prof. Dr. M. Haïssam Jijakli

Integrated and Urban Plant Pathology Research Laboratory, Gembloux Agro-Bio Tech, University of Liège, 4000 Liège, Belgium

Prof. Dr. Ranka Junge

Institute of Natural Resource Sciences, Zurich University of Applied Sciences, Grüentalstrasse 14, 8820 Wädenswil, Switzerland

Deadline for manuscript submissions

closed (30 April 2023)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



[mdpi.com/si/95330](https://www.mdpi.com/si/95330)

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

[mdpi.com/journal/
water](https://www.mdpi.com/journal/water)





Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



[mdpi.com/journal/
water](https://mdpi.com/journal/water)



About the Journal

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.

Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR
CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique
(CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane,
Toulouse, France

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 (Aquatic Science)