

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

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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

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