

# Special Issue

## Green Roofs, Green Walls, Urban Greenhouses and Hi- Tech City Landscape for Sustainability

### Message from the Guest Editors

Green plants have always been a design element in the architecture of buildings and the urban decoration of cities, but only recently has their contribution been revealed as very effective in reducing negative environmental impacts and energy costs due to air conditioning of buildings, enabling the utilization of spaces and surfaces otherwise not exploited in cities. The plant phenomena of photosynthesis and evapotranspiration are particularly useful during the hot seasons to reduce electricity consumption and CO<sub>2</sub> emissions due to the air conditioning of buildings since plant-covered surfaces provide shading and shielding of buildings. Thus, plant systems represent a natural solution to achieve the goals for energy reduction and environmental regeneration of buildings, particularly in cities. This Special Issue aims to involve scientists and experts from various research fields on the use of vegetation to promote energy saving, accelerate the decarbonization of cities, as well as reduce air pollution, thus transforming cities into sustainable and resilient ecosystems.

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### Guest Editors

Dr. Carlo Alberto Campiotti

Prof. Dr. Carlo Bibbiani

Dr. Arianna Latini

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### Deadline for manuscript submissions

closed (10 May 2024)



# Horticulturae

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## About the Journal

### Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

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### Editor-in-Chief

Prof. Dr. Luigi De Bellis  
Department of Biological and Environmental Sciences and  
Technologies (DiSTeBA), Salento University, Lecce, Italy

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