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Advances in Asparagus Production, Genomics and Breeding

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Deadline for manuscript submissions:
closed (15 June 2023)

Message from the Guest Editors

Garden asparagus (*Asparagus officinalis*) is an important horticultural crop with a cultivated area comparable to other vegetable crops such as garlic, carrot and eggplant. In the last few decades, a steady increase in crop yield has been boosted by the implementation of advances in crop production, protection techniques, and the development of new asparagus varieties. However, a number of biotic and abiotic stresses affect the crop, which may cause serious damage. Besides this, new challenges have recently emerged, such as the development of varieties with a high concentration of functional compounds or varieties that are suitable for other crop systems (e.g., drought conditions, organic farming). The availability of a saturated genetic map, transcriptomic data and the asparagus reference genome sequence, along with the improved bioinformatics tools, creates new prospects for the biological understanding of important agronomic traits in this crop. For this Special Issue, we welcome any original research or review articles that highlight recent advances in different disciplines related to crop production, genomics, and plant breeding.

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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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