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Advances in plant factories

New technologies in indoor vertical farming

Edited by Toyoki Kozai and Eri Hayashi



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About the book

The book reviews the wealth of research on optimising plant factories with artificial lighting as one potential solution to achieving a more sustainable agriculture.

It addresses developments in process monitoring, optimising energy use, as well as adjusting lighting conditions to improve the sensory and nutritional quality of a range of horticultural crops.

About the editors

Dr Toyoki Kozai is the former President of Chiba University, Japan, where he is now an Emeritus Professor.

Dr Eri Hayashi is President of the Japan Plant Factory Association, where she is also the Director of International Relations and Consulting. She led the JPFA in organizing the first JPFA International Symposium on Plant Factory (ISPF 2023).

Advances in plant factories: New technologies in indoor vertical farming

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Advances in plant factories: New technologies in indoor vertical farming

Edited by: Emeritus Professor Toyoki Kozai, Chiba University, Japan and Dr Eri Hayashi, Japan Plant Factory Association, Japan

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