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Achieving sustainable cultivation of ornamental plants

Edited by Emeritus Professor Michael Reid
University of California-Davis, USA



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This collection reviews recent research in ornamentals. Part 1 discusses advances in understanding plant physiology, genetic diversity and breeding techniques. Part 2 surveys advances in cultivation techniques in areas such as nutrition, irrigation, protected cultivation and pest management.

About the editor

Dr Michael Reid is Emeritus Professor of Environmental Horticulture at the University of California-Davis, USA. Professor Reid is also Leader for Technology and Innovation at the US Feed the Future Innovation Lab for Horticulture which seeks to support smallholder horticulture in the developing world. He has authored over 250 publications and is former Editor-in-Chief of *Scientia Horticulturae*.

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Achieving sustainable cultivation of ornamental plants

Edited by: Emeritus Professor Michael Reid, University of California-Davis, USA

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2. Exploiting the genetic diversity of ornamentals: *Yoo Gyeong Park, Gyeongsang National University, Republic of Korea; Young Hoon Park, Pusan National University, Republic of Korea; Abinaya Manivannan, National Institute of Horticultural and Herbal Science, Republic of Korea; Prabhakaran Soundararajan, National Institute of Agricultural Science, Republic of Korea; and Byoung Ryong Jeong, Gyeongsang National University, Republic of Korea*
3. Advances in conventional breeding techniques for ornamentals: *Traud Winkelmann and Philipp Braun, Leibniz Universität Hannover, Germany; and Emmy Dhooghe and Johan van Huylenbroeck, Flanders Research Institute for Agriculture, Fisheries and Food, Belgium*
4. Advances in tissue culture techniques for ornamental plant propagation: *G. R. Rout, Odisha University of Agriculture and Technology, India; and S. Mohan Jain, University of Helsinki, Finland*
5. Advances in molecular breeding of ornamentals: *Neil O. Anderson, University of Minnesota, USA*

6. The use of gene-editing techniques in breeding improved ornamentals: *Bruno Trevenzoli Favero, Josefine Nymark Hegelund and Henrik Lütken, University of Copenhagen, Denmark*
7. Advances in abiotic stress-resistant varieties of ornamentals: *Qiansheng Li and Mengmeng Gu, Texas A&M AgriLife Extension Service, USA*
8. Improving nutrient management in the cultivation of ornamental plants in greenhouse, container and field production: *John Majsztrik, Clemson University, USA and James S. Owen Jr., USDA-ARS, USA*

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