

Achieving sustainable cultivation of tomatoes

Edited by Dr Autar Mattoo, ARS-USDA, USA and Professor Avtar Handa, Purdue University, USA



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TVS - Horticulture
PSTD - Plant physiology
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New book advance information

Achieving sustainable cultivation of tomatoes

Edited by: Autar Mattoo, ARS-USDA, USA and Avtar K. Handa, Purdue University, USA

Endorsement:

"The editors, contents and authors suggest this will be a valuable reference for tomato scientists."

Professor Elhadi M. Yahia, Universidad Autónoma de Querétaro, Mexico

Key features:

- Discusses developments in good agricultural practice from crop growth models to improved water and nutrition management;
- Reviews advances in understanding plant physiology and genetic diversity as well as their contribution to improvements in breeding;
- Summarises recent research on diseases and pests as well as their control through developing disease-resistant varieties or integrated weed management

Description:

Tomatoes are the second most important vegetable crop in the world after potatoes. Originating in South America, they are now grown widely around the world. As the population continues to grow, there is a need to increase yields in the face of such challenges as climate change, threats from pests and diseases and the need to make cultivation more resource-efficient and sustainable.

Drawing on an international range of expertise, this collection focuses on ways of improving the cultivation of tomatoes at each step in the value chain, from breeding to post-harvest storage. The book begins by looking at improvements in cultivation techniques, before moving on to review advances in ensuring genetic diversity, understanding of tomato physiology and breeding techniques. The collection concludes by discussing developments in understanding and managing pests and diseases.

Achieving sustainable cultivation of tomatoes will be a standard reference for horticultural scientists in universities, government and other research centres and companies involved in tomato cultivation.

Editor details:

Dr Autar Mattoo as Research Leader of the Vegetable Laboratory at the USDA's Henry A. Wallace Research Center, USA is internationally-renowned for his research on tomato physiology.

Dr Handa as Professor of Horticulture at Purdue University, USA is internationally-renowned for his research on tomato physiology.

New book advance information

Table of contents

Part 1 Cultivation techniques

1. Modelling crop growth and yield in tomato cultivation: *Kenneth J. Boote, University of Florida, USA;*
2. Defining and implementing good agricultural practices/integrated crop management in tomato cultivation: *Derly da Silva, University Federal de Vicosa, Brazil;*
3. Improving water and nutrient management in tomato cultivation: *Eric Simonne, University of Florida, USA;*
4. Sustainable and organic greenhouse production of tomatoes: *Martine Dorais, University of Laval, Canada;*

Part 2 Plant physiology and breeding

5. Advances in understanding of tomato plant physiology: *Agustin Zsogon, University Fedefrale de Vicosa, Brazil;*
6. Ensuring the genetic diversity of tomatoes: *Andreas W. Ebert and Lawrence Kenyon, AVRDC – The World Vegetable Center, Taiwan;*
7. Advances in understanding of tomato plant response to biotic and abiotic stress: *Carlos Avila, Texas A&M University, USA;*
8. Developments in conventional tomato breeding techniques: *Yuling Bai, Wageningen University, The Netherlands;*
9. Advances in marker-assisted breeding of tomatoes: *Junming Li, Institute of Vegetables and Flowers – Chinese Academy of Agricultural Sciences (CAAS), China;*
10. Advances in genetic modification of tomatoes: *Autar Mattoo, USDA-ARS, USA;*
11. Developing tomato varieties with improved flavour: *Mathilde Causse, INRA, France;*
12. Developing tomato varieties with improved shelf-life: *Avtar Handa, Purdue University, USA;*

Part 3 Diseases, pests and weeds

13. Insect-transmitted viral diseases of tomato: *Henryk Czosnek, Hebrew Univ. of Jerusalem, Israel;*
14. Genetic resistance to viruses in tomato: *Moshe Lapidot, ARO-Volcani Centre, Israel;*
15. Insect pests affecting tomatoes: *Ramaswamy Srinivasan, World Vegetable Center (AVRDC), Taiwan;*
16. Integrated pest management/biological pest control strategies in tomato cultivation: *Rangaswamy Muniappan, Virginia Tech, USA;*
17. Advances in pathogen and virus-resistant tomato varieties: *Dilip Panthee, North Carolina State University, USA;*
18. Advances in insect-resistant tomato varieties: *Barbara Liedl, West Virginia State University, USA;*
19. Integrated weed management in tomato cultivation: *Francesco Tei and Euro Pannacci, University of Perugia, Italy;*

Other products in this category

Achieving sustainable cultivation of apples