



Society for Horticultural Research and Development (SHRD)

(Registered under the Societies Registration Act XXI of 1860, Registration No. 144)

SD-70, Shastri Nagar, Ghaziabad (Uttar Pradesh) 201 002 (India)

Website: www.currenthorticulture.com

E-Mail: editorcurrenthort@gmail.com, somdutticar@gmail.com

Mob.9868815197

Dr Som Dutt

Secretary, SHRD & Managing Editor
(Current *Horticulture*)

Dated: 21/09/2021

Dear Sir/friends

Greetings from SHRD!

I am extremely thankful on behalf of myself and the SHRD to share with you the happiest moment in sending your very informative and novel piece of research in the form of a chapter for the book "**Current Horticulture: Improvement, Production, Plant Health Management and Value-Addition**". The book, an Encyclopedia of Horticultural Science, with international standard, has come out very well with attractive Cover and beautiful Forwards written by the eminent Horticulturist and formerly DDG (Horticultural Science), ICAR, New Delhi and VC, JNKVV, Jabalpur, (Prof.) Dr Gautam Kalloo ji, and soil-born renowned formerly Agriculture Minister, Government of India, having sound horticultural/agricultural background, Shri Sompal Shastri ji.

I share here with the PDF of your chapter and request you to share it with your co-authors.

If you want to purchase the book, please place your order to publisher or write to me/ other Editors on mail. You may also give your order on WatsAp No. 9868815197

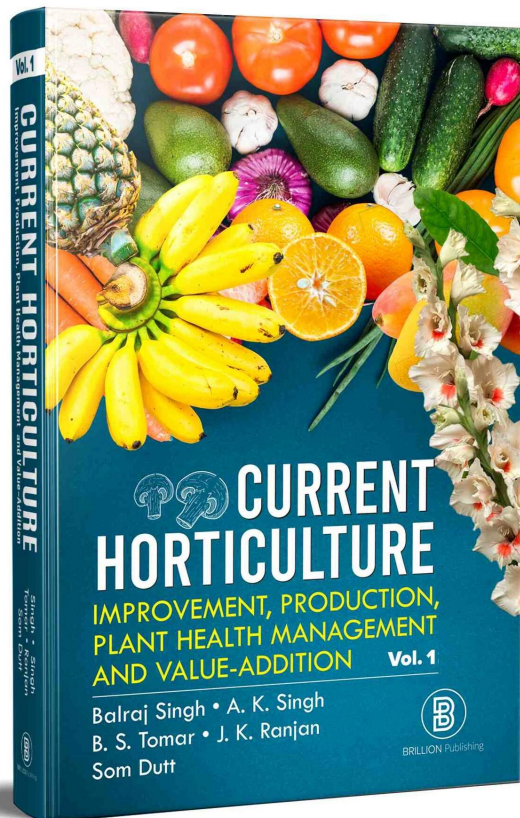
Please give your feedback. We shall also publish next book just after the **Indian Horticulture Summit-2022**.

Looking forward for your kind cooperation.

Thanking you.

With warm regards

(Som Dutt)



ISBN: 978-93-90757-42-8

e-ISBN: 978-93-90757-43-5

Pages: 480

2021

 Printed Copy

Hardback ₹ 9999/- (Set Price)

CURRENT HORTICULTURE

IMPROVEMENT, PRODUCTION, PLANT HEALTH MANAGEMENT AND VALUE-ADDITION

Volume 1

The book entitled, *Current Horticulture: Improvement, Production, Plant Health Management and Value-Addition*, is a unique book of its own kind which deals all the aspects of Horticultural Science. It is consolidation of scattered information available in different forms which have been suitably compiled and edited in a lucid and easy-to-understandable format with adoptable recommendations for the benefit of all stakeholders. Efforts have been made to describe various aspects of horticultural crops in a systematic and comprehensive manner. The book is a compilation of the latest information on horticultural technologies developed by ICAR institutes and state agricultural/horticultural Universities across the country.

Features:

- The book is divided in 2 volumes, consisting of 38 chapters each. The chapters covering a wide range of horticultural aspects related to genetic resources, varietal wealth, crop improvement, plant health management, biotic and abiotic stress management, and value-addition of horticultural crops enrich the beauty of both the volumes. Besides, some chapters dealing general horticultural science have also been dealt at length.
- This book is intended to be a compilation of information available on fruits, vegetables, spices, and ornamental and plantation crops with a view to provide the overview on various aspects of horticultural science. The subjects are illustrated with figures, tables and latest references. The critical gaps identified in different research areas have also been dealt in each chapter.
- The book has been written keeping in view the long standing demand to different relevant aspects of horticultural science. Thus, the wealth of information documented in this book, *Current Horticulture: Improvement, Production, Plant Health Management and Value-Addition*, will serve as a reservoir for exploitation of useful information by the scientists, students, teachers, growers, policy-makers and entrepreneurs. The contributors of different chapters included in the book are eminent personality in their field.

Balraj Singh • A. K. Singh • B. S. Tomar • J. K. Ranjan • Som Dutt

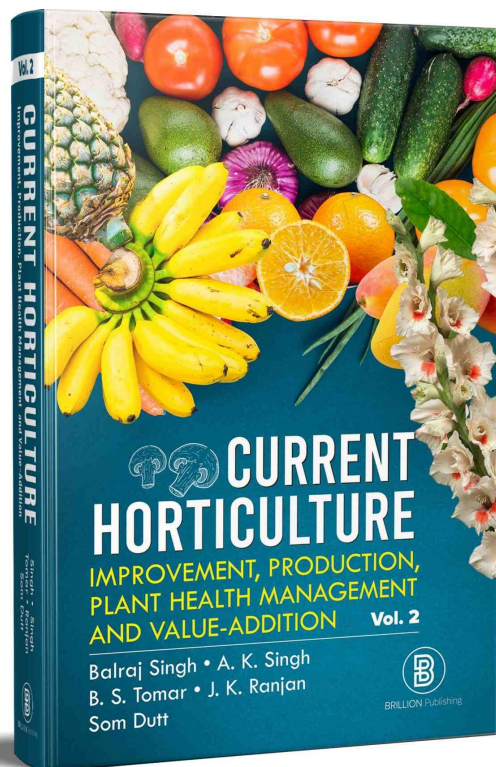
(Contents)

- Adaptation of Fruit Crops for Sustainable Production under Climate Changes
- Integrated Horticulture-Based Farming Systems for Livelihood Security
- Managing Natural Resources for Sustainable Fruit Production in Arid Zone
- Nursery Management of Vegetable Crops
- Quality Planting Material for Arid and Semi-Arid Fruits
- Planting Geometry and Canopy Modulation in Fruit Trees: Mitigating Effects of Climate Change
- On-the-tree Fruit Bagging: An Organic Fruit Production Technology
- Tree Architecture for High-Density Planting in Guava
- Genetic Resource of Minor Tuber Crops for Improvement
- Genetic Resource of Henna for Improvement
- Exploiting Heterosis for Vegetable Improvement
- Grafting Technology: Mitigating Abiotic Stresses in Vegetable Crops
- Technological Intervention for Doubling Farmers' Income in Arid Horticultural Crops
- Biotechnological Interventions Enhancing Fruit Production
- Seed Spices: Diversity, Characterization, Conservation and Utilization
- Prospects of Date Palm Cultivation in Thar Desert
- Smart Fruits for 21st Century
- Innovative Breeding Approaches for Improvement in Fruit Crops
- Seed Potato Production in India
- Climate Smart Integrated Soil Fertility Management in Fruit Crops
- Fertigation in Citrus: Developments and Challenges
- Secondary Horticulture: Developments and Challenges
- Microbes in Soil Health Management of Horticultural Crops
- Fruit Industry in North-East India: Developments and Challenges
- High Altitude Horticulture: Developments and Challenges
- Onion Varieties for Doubling Farmer's Income
- Nutritional Security through Underutilized Semi-Arid Fruits
- Tuber Crops for Nutrition, Health and Livelihood Security
- Vertical Farming: A Promising Technology for Horticultural Development in Urban Areas
- Bio-Enhancers for Organic Production of Horticultural Crops
- Water Management in Tropical Tuber Crops
- Growing Medicinal and Aromatic Crops Weed-Free
- Advances in Integrated Insect-Pest Management of Vegetable Crops
- Disease Management in Arid Horticultural Crops
- Pest Management in Arid and Semi-Arid Horticultural Crops
- Banana Export and Value-Addition: Opportunities and Strategies
- Functional Foods from Tropical Tuber Crops
- Agri-Business Incubators for Enhancing Performance of Horticulture Sector

ISBN: 978-93-90757-42-8



9 789390 757428



ISBN: 978-93-90757-79-4

e-ISBN: 978-93-90757-91-6

Pages: 599

2021

 Printed Copy

Hardback ₹ 9999/- (Set Price)

CURRENT HORTICULTURE

IMPROVEMENT, PRODUCTION, PLANT HEALTH MANAGEMENT AND VALUE-ADDITION

Volume 2

The book entitled, *Current Horticulture: Improvement, Production, Plant Health Management and Value-Addition*, is a unique book of its own kind which deals all the aspects of Horticultural Science. It is consolidation of scattered information available in different forms which have been suitably compiled and edited in a lucid and easy-to-understandable format with adoptable recommendations for the benefit of all stakeholders. Efforts have been made to describe various aspects of horticultural crops in a systematic and comprehensive manner. The book is a compilation of the latest information on horticultural technologies developed by ICAR institutes and state agricultural/horticultural Universities across the country.

Features:

- The book is divided in 2 volumes, consisting of 38 chapters each. The chapters covering a wide range of horticultural aspects related to genetic resources, varietal wealth, crop improvement, plant health management, biotic and abiotic stress management, and value-addition of horticultural crops enrich the beauty of both the volumes. Besides, some chapters dealing general horticultural science have also been dealt at length.
- This book is intended to be a compilation of information available on fruits, vegetables, spices, and ornamental and plantation crops with a view to provide the overview on various aspects of horticultural science. The subjects are illustrated with figures, tables and latest references. The critical gaps identified in different research areas have also been dealt in each chapter.
- The book has been written keeping in view the long standing demand to different relevant aspects of horticultural science. Thus, the wealth of information documented in this book, *Current Horticulture: Improvement, Production, Plant Health Management and Value-Addition*, will serve as a reservoir for exploitation of useful information by the scientists, students, teachers, growers, policy-makers and entrepreneurs. The contributors of different chapters included in the book are eminent personality in their field.

Balraj Singh • A. K. Singh • B. S. Tomar • J. K. Ranjan • Som Dutt

(Contents)

- Constraints, Opportunities and Emerging Threats in Mango Production
- Advances in Litchi Production
- High-Density Planting for Higher Productivity and Quality Fruits
- Potato Production: Developments and Challenges
- Temperate Fruits: Enhancing Productivity through Technological Interventions
- Breeding Strategies in Commercial Flower Crops
- R&D in Vegetables for Food and Nutritional Security
- Climate Resilient Technologies for Citrus Fruits
- Biodiversity in Underutilized Fruit Crops of Hot Semi-Arid Regions
- Mushroom Production for Sustainable Income Generation
- Cultivation of Drumstick for Socio-Economic Upliftment
- Perspective and Success Stories of Underutilized Fruits
- Underutilized Fruits of NER for Livelihood Security
- Pharmaceutical Properties of Onion and Garlic
- Vertical Farming: Enhancing Vegetable Productivity
- Growing Beans in Dryland
- Peri-Urban and Urban Horticulture for Nutritional Security
- Bioersity International: Harness Agricultural Biodiversity and Sustainably Transform Food Systems to Improve People's Lives in a Climate Crisis
- Protected Cultivation of Horticultural Crops: Prospects and Challenges in India
- Livelihood Opportunities in Floriculture
- Honeybees Enhance Seed Yield of Vegetables and Seed Spices
- Production Technologies of Humid Tropical Underutilized Fruits in India
- Entrepreneurship Development through Protected Cultivation
- Improvement in Global Oil Palm Industry
- AICRP for Development of Fruit Crops
- Precision Farming in Horticultural Crops
- Coconut-Based Farming System: Improving Soil Productivity
- Lesser-Known Nutritious Vegetables
- Advances in Hybrid Seed Production of Vegetable Crops
- Attracting Young Talent in Horticulture Through NAHEP
- Medicinal Plants: The Most Primitive but Modern Revolution
- Dried Flowers for Value-Addition
- Weed Management in Root and Tuber Crops
- Management of Bacterial Diseases in Vegetable Crops
- Innovative Mangement of Tomato Bacterial Diseases
- White Onion Varieties for Processing in India
- Advances in Post-Harvest Management of Horticultural Crops
- Value-Addition in Fruits and Vegetables Through Microbial Intervention

For e-version of the book or sample chapter for personal perusal contact:
info@brillionpublishing.com
www.brillionpublishing.com

ISBN: 978-93-90757-79-4



9 789390 757794