

ISBN: 978-93-89350-44-9 e-ISBN: 978-93-89350-45-6 Pages: 386 2021

**Printed Copy** 

Hardbound► ₹ 4995/-

## **VEENA GUPTA** JAWAHAR LAL M.

Edited by:

Prof. KV Peter

## INNOVATIVE **TECHNIQUES** FOR HORTICULTURE **DEVELOPMENTS**

"Coming age is the age of knowledge. However rich, poor or powerful a country be, if they want to move ahead, only knowledge can lead them to that path." -Narendra Modi.

"We live in a society absolutely on science and technology and yet have cleverly arranged things so that almost no one understands science and technology. That's a clear prescription for disaster."

-Carl Sagan.

The above quotes speak volumes on innovative science and technology especially in context of national dream of a Zero Hidden Hunger India. India ranks 103 out of 119 countries in Global Hunger Index 2018. Anaemia, low body weight, child mortality, stunted growth, obesity and susceptibility to diseases are resultants of malnutrition and imbalanced food intake. Horticultural cropsfruits, vegetables, tubers, herbs and spices, medicinal and aromatic plants, plantation crops, mushrooms and bamboos-are the best bet against malnutrition.

Foreword is by Dr Anand Kumar Singh DDG(H) ICAR and Dr. Janakiram T. Hon. Vice-Chancellor Dr Y.S.R. Horticulture University Andhra Pradesh.

The book is dedicated to Late Prof. V.L. Chopra. Former Director General, ICAR and Chancellor Central University Kasargode for his contributions to agriculture science in India.

## **Contents:**

- Chapter I.Recent Gene Editing Techniques
- 2. Chapter II.Genomic Modification of Horticultural Crops Using CRISPR CAS Technology
- Chapter III. Biofortification of Banana Methods and **Prospects**
- 4. Chapter IV.Registration of trait-specific resources of horticultural crops in INDIA
- Chapter V.Nursery Practices and advice concerning correct planting depth of trees in U.K.
- Chapter VI. History of flower breeding
- Chapter VII.Recent Advances in Nematode Management in Vegetable Crops

- 8. Chapter VIII. Citrus root stocks; Recent trends
- 9. Chapter IX.Fertility Management for Horticultural Crops in Soils of warm humid tropics
- 10. Chapter X.Towards zero loss in post harvest of tropical and sub-tropical fruits
- 11. Chapter XI Released fruit varieties and hybrids in India
- 12. Chapter XII.Mechanics of drying fruits and vegetables
- 13. Chapter XIII.Application of Ultrasonication in food industry
- 14. Chapter XIV.Protection of Agriculture related IPs in Agreement with The Biological Diversity Act, 2002

