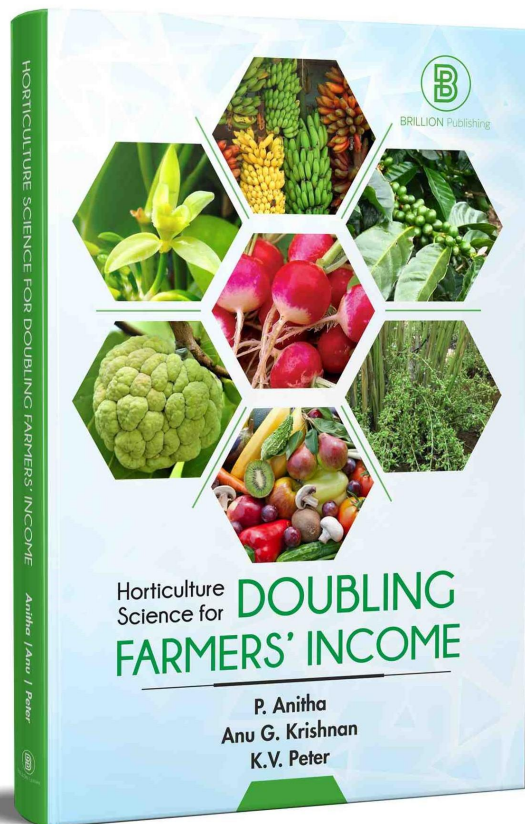




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# Horticulture Science for **DOUBLING FARMERS' INCOME**

Doubling farmers' income by 2022 is a national commitment to be achieved by increasing productivity of crops, reducing harvest and postharvest losses, assuring Minimum Support Price (MSP) to farmers and Minimum Import Price (MIP) for many of the plantation crops. The 17 chapters authored by 36 working scientists in State Agricultural Universities and ICAR Research Institutes throw light on "HORTICULTURE SCIENCES FOR DOUBLING FARMERS' INCOME" made during the last decade. The present book contains informative chapters focused on speed breeding, rapid breeding techniques, omics assisted pre-breeding, science of parthenocarpy, breeding for parthenocarpy, advanced methods of analysis in spices, health foods from banana, nano fertilizers, value added compounds, protected cultivation, chironji-a crop for nutrition, drum stick, sohphlang-a tuber crop, salutiferous fruits, pollination management, biostimulants, and biotic stresses-mites and scale insects. The book deals with basic, applied and futuristic aspects of the science of Horticulture-fruits, vegetables, plantation crops, medicinal and aromatic plants, and tubers intended to scientists, policy makers, students and progressive farmers including seed producers and nursery men.

India was ranked 108 in Global Hunger Index in 2021 and the dream of Mahatma Gandhi to transform India as Zero Hidden Hunger remain elusive. Hidden hunger (Malnutrition) leads to anaemia, low body weight, high child mortality and loss in working hours. Establishment of Nutri Gardens and emphasis on consumption of greens will facilitate a healthy diet. The present book edited by P. Anitha, Anu G. Krishnan, and K.V. Peter at the Kerala Agricultural University and published by Brillion Publishing New Delhi will add to the knowledge of nutrition, wellness, and health.

**P. Anitha • Anu G. Krishnan • K.V. Peter**

## (Contents)

- Speed Breeding: An Innovative Method of Crop Improvement
- Recent Advances in Rapid Breeding Techniques in Oil palm (*Elaeis guineensis* Jacq.)
- Introgresiomics Assisted Resistance Pre-breeding for Biotic and Abiotic Stress in Vegetable Brassicas
- Science of Parthenocarpy in Fruits and Vegetables
- Breeding for Parthenocarpy in Vegetable Crops
- Advanced Methods of Analysis of Herbs and Spices
- Innovative, Novel, Health-Promoting Food Products from Banana
- Nano Fertilizers in Horticultural Crops
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- Doubling the Farmers Income Through Protected Cultivation in Bundelkhand Region of Uttar Pradesh
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- Pollination Management in Vegetable Crops
- Effects of Bio-stimulants on Vegetable Production
- Mites and Scale Insects -Horticultural Crops and Mitigation Strategies

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