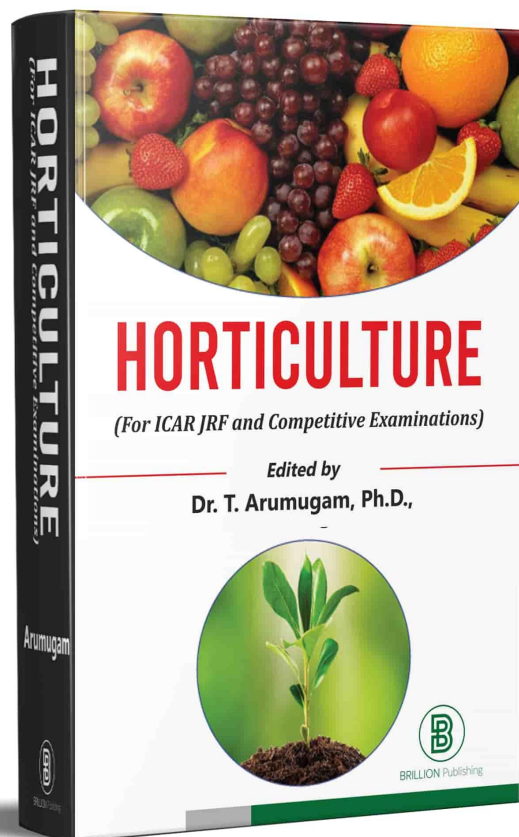




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# HORTICULTURE

*(For ICAR JRF and Competitive Examinations)*

The book "HORTICULTURE" (ICAR JRF and competitive examinations) is written based on the syllabus for ICAR JRF examinations. Horticulture consists of Fruits, Vegetables, Flower Crops, Spices and Plantation crops, Medicinal and aromatic plants to cover the syllabus, the students are required to refer many books. To help the students and enhance the preparation efficiency and save time this single book i.e. Horticulture is planned and each chapters was written by a well experience teachers in a simple language and lucid manner. Besides ICAR JRF /SRF syllabus the content of this book also useful for the preparation of UPSC – Civil service examinations and state civil service examinations. This book will be an asset to the candidates preparing and aspiring for JRF / Civil / Competitive examinations.

**Dr. T. Arumugam, Ph.D.**

## (Contents)

- Scope, Importance and Divisions of Horticulture
- Nutritive Value of Fruits and Vegetables and their Role in Human Nutrition
- Propagation of Horticultural Crops
- Production Technology of Tropical Fruit Crops (Mango, Banana, Guava, Papaya, and Acid lime)
- Production Technology of subtropical fruit Crops (Pineapple, Sweet Orange, Mandarin Orange and Grapes)
- Production Technology of Temperate Fruit Crops (Apple, Pear, Plum and Peach)
- Production Technology of Tropical Vegetables Crops (Tomato, Brinjal, Chilli, Bendi, Onion and Cucurbits)
- Production Technology of Subtropical and Temperate Vegetable Crops (Cabbage, Cauliflower, Radish, Knol khol, Peas, Beans and Spinach)
- Production Technology of Tuber and Root Vegetable Crops (Tapioca, Sweet Potato, Potato, Carrot and Beetroot)
- Production Technology of Plantation Crops (Coffee, Tea, Coconut and Cashew)
- Production Technology of Spices (Black pepper, Turmeric, Coriander and Fenugreek)
- Production Technology of Loose Flowers (Jasmine, Marigold, Chrysanthemum and Tuberose)
- Production Technology of Cut Flowers (Rose, Carnation, Chrysanthemum, Gladioli and Orchids)
- Principles of Landscape Gardening
- Types of Garden
- Production Technology of Medicinal and Aromatic Plants (Gloriosa, Senna, Coleus, Gymnema, Aloe Vera, Vetiver, Lemon grass)
- Physiology of Horticultural Crops: Concepts and Applications
- Physiological Disorders and their Management in Horticultural Crops
- Crop Improvement Methods for Horticultural Crops
- Irrigation Management for Horticultural Crops
- Pests of Important Fruits and Vegetable Crops and their Management
- Diseases of Horticultural Crops and their Management
- Postharvest Diseases of Fruits and Vegetables
- Nematode Management in Horticultural Crops
- Principles of Seed Production in Horticultural Crops

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