

MCQ's in Plant Breeding Biotechnology & Seed Science

K. Vanangamudi
R. Vinoth
S. Elayabalan
G. Kanjanadevi



**MCQ's in
PLANT BREEDING,
BIOTECHNOLOGY & SEED SCIENCE**

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MCQ's in PLANT BREEDING, BIOTECHNOLOGY & SEED SCIENCE

**K. Vanangamudi
R. Vinoth
S. Elayabalan
K. Raja**



**SCIENTIFIC
PUBLISHERS**

Published by

SCIENTIFIC PUBLISHERS (INDIA)

5 A, New Pali Road, P.O. Box 91

Jodhpur 342 001, INDIA

E-mail: info@scientificpub.com

Website: <http://www.scientificpub.com>

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ISBN : 978-93-88449-30-4

eISBN : 978-93-88449-31-1

Printed in India

Preface

Plant breeding is an important field in agriculture which deals with the development of plants with desired traits. This area of science helps for ensuring the food security by developing new varieties with higher yield and quality, pest and disease resistance, drought tolerance, etc. It is practiced throughout the world by individuals such as Plant Breeders, Farmers, Gardeners etc.

Biotechnology includes the technological applications in the biological system to make or modify the products for specific use. Medical, agricultural, industrial and environmental biotechnologies are the key areas of this field. It is the fast growing field in the recent science with the adoption of genetic engineering technologies.

Seed science is the study of the seed biology and seed production. Generally, seed is an important input in agriculture and any agriculture begins and ends with the seed. Seed biology involves several sciences beginning from syngamy until it is sown in the field. Also, many organizations are involved in the production and quality control system of the crop seeds throughout the world.

Considering the importance of Plant breeding, Agricultural Biotechnology and Seed Science, it is contemplated to prepare the book on “MCQ’s in Plant Breeding, Agricultural Biotechnology and Seed Science”. The main aim is to expose the students those who are preparing for the competitive examinations like Agricultural Research Services, Public Service Commissions, Institute of Banking Personnel Selection, University and Institute admissions etc.

The book has been prepared consisting of vast questions with the multiple choice answers in three major parts. Evidently, about 9 chapters with 600 questions in Plant Breeding, 8 chapters with 700 questions in Agricultural Biotechnology and 63 chapters with 2000 questions in Seed Science and Technology are compiled in one consortium. Genetics, breeding methods of self pollinated, cross pollinated and asexually propagated crops, resistance breeding, mutation breeding and polyploidy breeding in Plant Breeding; cell biology,

molecular biology, tissue culture, animal biotechnology and bioinformatics in Agricultural Biotechnology; and seed formation, biology, production, post harvest processing, storage, health, marketing and legislation in Seed Science and Technology are some of the important chapters covered in the book.

Since this book is prepared with latest information, we are sure that the book will be insightful to the Scientists and Students for updating their knowledge and also who are preparing the examinations.

Authors

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Part 1
PLANT BREEDING & GENETICS

