

About the Author

Dr. Abrar Yasin Baba is the alumna of the Sam Higginbottom University of Agriculture, Sciences, and Technology (SHUATS), formerly Allahabad Agricultural Institute. Dr. Abrar has 12 years of teaching and research experience in the field of plant breeding and genetics. He was one of the key members of a wheat breeding research project in SHUATS, Allahabad that results in the development of four novel wheat varieties (AAIW1, AAIW2, AAIW4, and AAIW6). He also got an opportunity to work internationally under UNDP in East Africa for 2 years as instructor and researcher as well in the field of plant breeding. Furthermore, He worked for one of India's leading seed companies "MAHYCO" for 4 years in the capacity of Associate Research Scientist in the hybrid wheat project. He has published more than 40 research papers in so many well-reputed national and international journals. Apart from that, he has published 25 abstracts, 4 popular articles, and 17 book chapters. He has qualified ICAR/ASRB NET in Genetics and Plant Breeding. He is also the recipient of many national and international awards that include the best thesis award, young scientist award, professional of the year award, best poster/oral presentation award, and international association award for his formidable achievements and contributions in the field of agriculture (plant wheat breeding).

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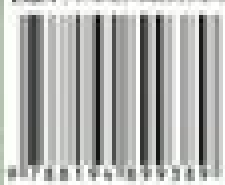
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PRACTICAL MANUAL ON FUNDAMENTALS OF PLANT BREEDING

According to the ICAR 5th Dean Committee's Syllabus

PRACTICAL MANUAL ON FUNDAMENTALS OF PLANT BREEDING

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Rakesh Kumar Prajapat
Radhey Shyam Sain
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Plant Breeding Practical Manual

Huangqi Zhang



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Practical Plant Virology Jeanne Dijkstra, Cees de Jager, 2012-12-06 The idea for this book arose from what we perceived as the need for an up to date guide to class exercises in plant virology We were encouraged to proceed after receiving 29 positive responses out of 30 replies to our enquiries from colleagues worldwide To the best of our knowledge no such publications have appeared since D Noordam s book containing practical exercises Noordam 1973 and the latest 1988 edition of the American Phytopathological Society s Laboratory Exercises in Plant Pathology in which 4 out of its 31 chapters discuss plant viruses Our original plan was to aim this publication at students and teachers of plant virology plant pathology plant breeding and microbiology How ever both colleagues and our publisher suggested widening the scope of the book by making it useful also for research workers and laboratory technicians Therefore we decided to prepare a laboratory manual of interest to all groups We have tried to cover all relevant branches of plant virology including the molecular aspects in as far as they pertain to the detection and basic characterisation of plant viruses We have not included protocols for the molecular biology of plant viruses sequencing construction of recombinants transgenic plants etc as they are presented adequately in many other recent publications The protocols in this book are described in a manner which should be understandable to those with a basic knowledge of biology and chemistry Plant Breeding Reviews, Volume 14 Jules Janick, 2010-04-07 A state of the art overview on important topics relating to the breeding of agriculturally and horticulturally important plants It continually monitors developments in plant breeding research and covers major field crops horticultural crops and specialties **Bulletin - Cooperative Extension Service, the Ohio State University** Ohio State University. Cooperative Extension Service, 1918 **The Weekly Market Growers Journal** , 1908 Weekly Market Growers' Journal , 1911 **The Book of Rural Life** Edward Mowbray Tuttle, 1925 *The English Catalogue of Books Published from January, 1835, to January, 1863* , 1864 Water-Soil-Plant-Animal Nexus in the Era of Climate Change Karmaoui, Ahmed, 2023-12-18 Water soil plants and animals are the main pillars that support global food security Plants grow using nutrients from water and soil resources and then used by animals which affects them consequently Water is the essential condition of life for all living beings and soil is its support and a crucial reservoir The interactions between the Water Soil Plant Animal nexus and climate change are of increasing concern to scholars decision makers and researchers The impacts of climate change on these resources include water and soil quality degradation infectious disease shortage desertification and erosion These impacts are accelerated due to human pressure through over use and pollution Water Soil Plant Animal Nexus in the Era of Climate Change includes relevant theoretical approaches empirical research and bibliometric and bibliographic methods to bring together affordable methods and techniques to optimize the use of the nexus in the context of climate change It presents an inventory of techniques and practices in the field and introduces an opportunity to discuss the strengths and weaknesses of these techniques making it ideal for scholars researchers planners and decision makers

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