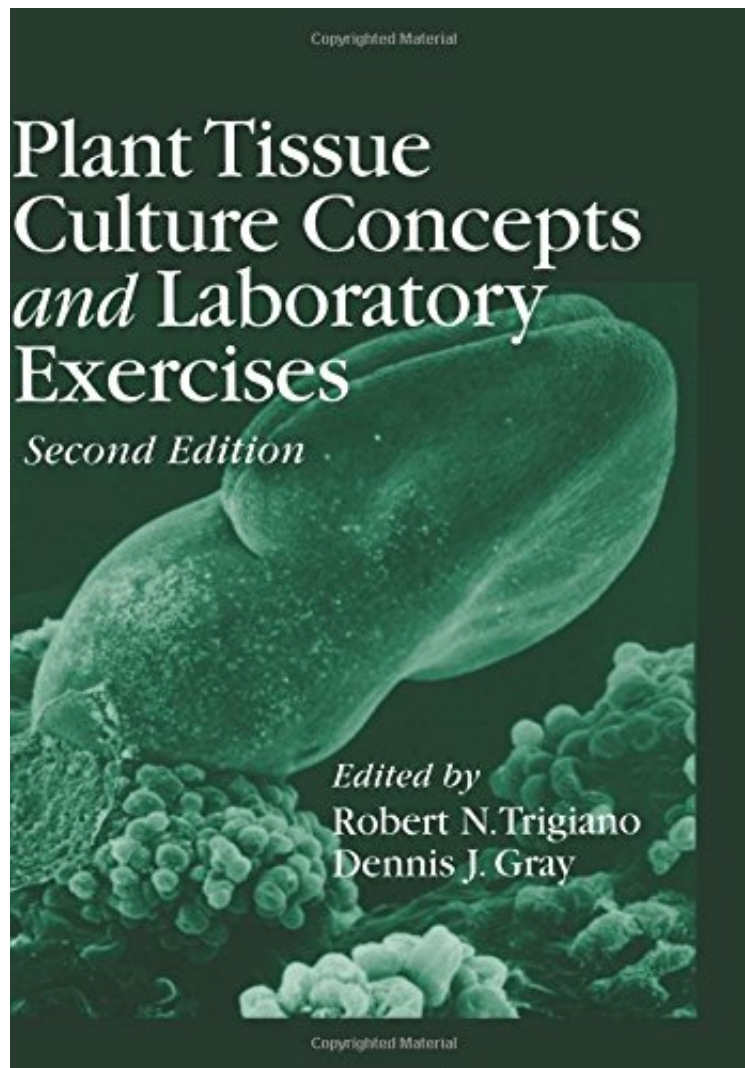


[Free and download] Plant Tissue Culture Concepts and Laboratory Exercises, Second Edition

Plant Tissue Culture Concepts and Laboratory Exercises, Second Edition

From Brand: CRC Press
ebooks | Download PDF | *ePub | DOC | audiobook



 Download

 Read Online

#1511999 in Books CRC Press 1999-11-12 1999-11-10 Original language: English PDF # 1 10.00 x 1.07 x 7.00l, 1.83 Binding: Plastic Comb 472 pages | File size: 25.Mb

From Brand: CRC Press : Plant Tissue Culture Concepts and Laboratory Exercises, Second Edition before purchasing it in order to gauge whether or not it would be worth my time, and all praised Plant Tissue Culture Concepts and Laboratory Exercises, Second Edition:

0 of 0 people found the following review helpful. excellent By Molecular Biology and Genetics I like this book very much because it is very useful for my plant tissue culture course, I easily understand expression of this book, I can suggest to everyone who are interested in plants, I am also very glad to .com about being interested about my problem

.Thanks for everything.

Alternating between topic discussions and hands-on laboratory experiments that range from the in vitro flowering of roses to tissue culture of ferns, *Plant Tissue Culture Concepts and Laboratory Exercises, Second Edition*, addresses the most current principles and methods in plant tissue culture research. The editors use the expertise of some of the top researchers and educators in plant biotechnology to furnish students, instructors and researchers with a broad consideration of the field. Divided into eight major parts, the text covers everything from the history of plant tissue culture and basic methods to propagation techniques, crop improvement procedures, specialized applications and nutrition of callus cultures. New topic discussions and laboratory exercises in the Second Edition include "Micropropagation of Dieffenbachia," "Micropropagation and in vitro flowering of rose," "Propagation from nonmeristematic tissue-organogenesis," "Variation in culture" and "Tissue culture of ferns." It is the book's extensive laboratory exercises that provide a hands-on approach in illustrating various topics of discussion, featuring step-by-step procedures, anticipated results, and a list of materials needed. What's more, editors Trigiano and Gray go beyond mere basic principles of plant tissue culture by including chapters on genetic transformation techniques, and photographic methods and statistical analysis of data. In all, *Plant Tissue Culture Concepts and Laboratory Exercises, Second Edition*, is a veritable harvest of information for the continued study and research in plant tissue culture science.

"Instructors and students alike will be delighted by the rich array of responsive plant species and the depth of choice among laboratory exercises that are available in *Plant Tissue Culture Concepts and Laboratory Exercises, 2nd edn*, edited by Robert N. Trigiano and Dennis J. Gray. The book is refreshingly readable, and the sequence of laboratory exercises leads the reader/student to develop increasing skills and knowledge of the subject matter. The range of subject matter included in the book is extensive. The written protocols do provide timely reminders regarding the benefits of careful labeling of explants and the identities of species/varieties. Laboratory protocols are very complete. Certainly this book will be of practical value in planning and teaching a successful course in plant tissue culture, but it also provides a wealth of general information and will serve as a useful reference for many protocols needed in the daily operations of tissue culture research laboratories. It will be a welcome addition to the library of everyone interested in the subject" - John Hubstenberger, New Mexico State University, in *In Vitro Cellular Developmental Biology*, Nov.- Dec. 2000 "The appeal of this practical manual is that it contains very detailed information on how to establish a tissue culture laboratory, from provision of lists of equipment and chemicals and their suppliers, to procedures and protocols for preparing media and carrying out experiments. I would recommend this book highly for teachers and researchers in plant tissue culture as a valuable resource for practical plant tissue culture." - *Plant Cell, Tissue and Organ Culture*, Vol. 65, 173-174, 2001 Promo Copy