



Plant Tissue Culture: An Introductory Text

Sant Saran Bhojwani, Prem Kumar Dantu

Download now

[Click here](#) if your download doesn't start automatically

Plant Tissue Culture: An Introductory Text

Sant Saran Bhojwani, Prem Kumar Dantu

Plant Tissue Culture: An Introductory Text Sant Saran Bhojwani, Prem Kumar Dantu

Plant tissue culture (PTC) is basic to all plant biotechnologies and is an exciting area of basic and applied sciences with considerable scope for further research. PTC is also the best approach to demonstrate the totipotency of plant cells, and to exploit it for numerous practical applications. It offers technologies for crop improvement (Haploid and Triploid production, In Vitro Fertilization, Hybrid Embryo Rescue, Variant Selection), clonal propagation (Micropropagation), virus elimination (Shoot Tip Culture), germplasm conservation, production of industrial phytochemicals, and regeneration of plants from genetically manipulated cells by recombinant DNA technology (Genetic Engineering) or cell fusion (Somatic Hybridization and Cybridization). Considerable work is being done to understand the physiology and genetics of in vitro embryogenesis and organogenesis using model systems, especially Arabidopsis and carrot, which is likely to enhance the efficiency of in vitro regeneration protocols. All these aspects are covered extensively in the present book. Since the first book on Plant Tissue Culture by Prof. P.R. White in 1943, several volumes describing different aspects of PTC have been published. Most of these are compilation of invited articles by different experts or proceedings of conferences. More recently, a number of books describing the Methods and Protocols for one or more techniques of PTC have been published which should serve as useful laboratory manuals. The impetus for writing this book was to make available a complete and up-to-date text covering all basic and applied aspects of PTC for the students and early-career researchers of plant sciences and plant / agricultural biotechnology. The book comprises of nineteen chapters profusely illustrated with self-explanatory illustrations. Most of the chapters include well-tested protocols and relevant media compositions that should be helpful in conducting laboratory experiments. For those interested in further details, Suggested Further Reading is given at the end of each chapter, and a Subject and Plant Index is provided at the end of the book.

 [Download Plant Tissue Culture: An Introductory Text ...pdf](#)

 [Read Online Plant Tissue Culture: An Introductory Text ...pdf](#)

Download and Read Free Online Plant Tissue Culture: An Introductory Text Sant Saran Bhojwani, Prem Kumar Dantu

From reader reviews:

Joseph Braddock:

Why don't make it to be your habit? Right now, try to prepare your time to do the important action, like looking for your favorite book and reading a book. Beside you can solve your short lived problem; you can add your knowledge by the reserve entitled Plant Tissue Culture: An Introductory Text. Try to stumble through book Plant Tissue Culture: An Introductory Text as your close friend. It means that it can to be your friend when you truly feel alone and beside those of course make you smarter than ever. Yeah, it is very fortunated for you personally. The book makes you far more confidence because you can know every thing by the book. So , let me make new experience as well as knowledge with this book.

Jessie Henricks:

This Plant Tissue Culture: An Introductory Text book is just not ordinary book, you have it then the world is in your hands. The benefit you obtain by reading this book is information inside this book incredible fresh, you will get information which is getting deeper an individual read a lot of information you will get. This particular Plant Tissue Culture: An Introductory Text without we understand teach the one who reading through it become critical in pondering and analyzing. Don't always be worry Plant Tissue Culture: An Introductory Text can bring if you are and not make your bag space or bookshelves' turn into full because you can have it with your lovely laptop even mobile phone. This Plant Tissue Culture: An Introductory Text having good arrangement in word and layout, so you will not really feel uninterested in reading.

Darron Hiller:

Reading a book for being new life style in this calendar year; every people loves to read a book. When you learn a book you can get a large amount of benefit. When you read ebooks, you can improve your knowledge, mainly because book has a lot of information into it. The information that you will get depend on what types of book that you have read. If you want to get information about your research, you can read education books, but if you want to entertain yourself you are able to a fiction books, these us novel, comics, along with soon. The Plant Tissue Culture: An Introductory Text provide you with new experience in studying a book.

Virginia Shrader:

You can find this Plant Tissue Culture: An Introductory Text by check out the bookstore or Mall. Just simply viewing or reviewing it might to be your solve problem if you get difficulties for ones knowledge. Kinds of this guide are various. Not only through written or printed but additionally can you enjoy this book by means of e-book. In the modern era such as now, you just looking by your mobile phone and searching what your problem. Right now, choose your current ways to get more information about your reserve. It is most important to arrange you to ultimately make your knowledge are still upgrade. Let's try to choose appropriate ways for you.

Download and Read Online Plant Tissue Culture: An Introductory Text Sant Saran Bhojwani, Prem Kumar Dantu #7NM3ZTEQ21A

Read Plant Tissue Culture: An Introductory Text by Sant Saran Bhojwani, Prem Kumar Dantu for online ebook

Plant Tissue Culture: An Introductory Text by Sant Saran Bhojwani, Prem Kumar Dantu Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Plant Tissue Culture: An Introductory Text by Sant Saran Bhojwani, Prem Kumar Dantu books to read online.

Online Plant Tissue Culture: An Introductory Text by Sant Saran Bhojwani, Prem Kumar Dantu ebook PDF download

Plant Tissue Culture: An Introductory Text by Sant Saran Bhojwani, Prem Kumar Dantu Doc

Plant Tissue Culture: An Introductory Text by Sant Saran Bhojwani, Prem Kumar Dantu Mobipocket

Plant Tissue Culture: An Introductory Text by Sant Saran Bhojwani, Prem Kumar Dantu EPub