



Plant Tissue Culture: Theory and Practice (Studies in Plant Science)

By S. S. Bhojwani, M. K. Razdan



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Since the publication of the first edition in 1983, several new and exciting developments have taken place in the field of plant tissue culture, which forms a major component of what is now called plant biotechnology. The revised edition presents updated information on theoretical, practical and applied aspects of plant tissue culture. Each chapter has been thoroughly revised and, as before, is written in lucid language, includes relevant media protocols, and is profusely illustrated with self-explanatory diagrams and original photographs. This book includes three new chapters: "Variant selection", "Genetic Engineering" and "Production of Industrial Compounds" and contains a complete bibliography and a glossary of terms commonly used in tissue culture literature.

This updated version proves to be an excellent text for undergraduate, postgraduate students and teachers in various fields of plant sciences and a useful reference book for those interested in the application of any aspect of this aseptic technology.

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Bibliography

- Sales Rank: #4404675 in eBooks
- Published on: 1996-11-08
- Released on: 1996-11-08
- Format: Kindle eBook



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Editorial Review

Review

J.Pospíšilová

...Presents updated information on the theoretical, practical and applied aspects of plant tissue culture based on more than 2500 references.

Individual chapters have been deeply revised and three new chapters have been added....the book can serve as everybody interested in plant tissue culture.

Biologia Plantarum

R.L.M. Pierik

It was an excellent idea of the publisher to ask the authors to revise and update their first edition and now the latter has a high quality...

The authors have not forgotten to pay particular attention to new developments in somatic embryogenesis, industrial and agricultural applications of in vitro culture, variant selection, production of secondary metabolites, genetic engineering application of bioreactors, and fermetor techniques...

It is remarkable that the two authors were able to assimilate so much new literature and to incorporate it into this wonderful handbook... In my opinion this book belongs certainly to the three best handbooks in the field of in vitro culture of higher plants.

Scientia Horticulturae

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