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Springer-Verlag Berlin Heidelberg GmbH

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Trees IV

Edited by Y.P.S. Bajaj

With 164 Figures and 89 Tables



Springer

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New Friends Colony
New Delhi 110065, India

ISBN 978-3-642-08226-9 ISBN 978-3-662-10617-4 (eBook)
DOI 10.1007/978-3-662-10617-4

Library of Congress Cataloging-in-Publication Data. Main entry under title: Trees. (Biotechnology in Agriculture and Forestry: 1) Bibliography: p. Includes index. I. Tree crops–Propagation–In vitro. 2. Trees–Propagation–In vitro. I. Bajaj, Y.P.S., 1936–. II. Series. SB170:T725 1985 634.9 85-17309.

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Originally published by Springer-Verlag Berlin Heidelberg New York in 1996
Softcover reprint of the hardcover 1st edition 1996

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Cover design: Springer-Verlag, Design & Production

Typesetting: Thomson Press (India) Ltd., New Delhi

SPIN: 10471203 31/3137/SPS – 5 4 3 2 1 0 – Printed on acid-free paper

*Dedicated to
my friend Dr. Maciej Zenkteler
of the Department of General Botany,
Adam Mickiewicz University, Poznan (Poland),
whose laboratory I had the privilege
of visiting in 1974*

Preface

This book *Trees IV*, like the previous volumes (*Trees I, II, III* published in 1986, 1989, 1991, respectively), is special in its approach. It elucidates the case history and biotechnology of individual fruit, forest, and ornamental trees, and discusses the present state of the art, with particular reference to in vitro propagation. It comprises 24 chapters contributed by international experts, and deals with the importance, distribution, conventional propagation, micropropagation, review of tissue culture studies, and recent advances in the in vitro culture and genetic manipulation of various species of *Acrocomia*, *Ailanthus*, *Anacardium*, *Allocasuarina*, *Carya*, *Casuarina*, *Coffea*, *Cyphomandra*, *Feijoa*, *Fraxinus*, *Gymnocladus*, *Leptospermum*, *Fagus*, *Metroxylon*, *Oxydendrum*, *Paeonia*, *Paulownia*, *Pouteria*, *Psidium*, and *Quercus*. Included are also five chapters on gymnosperm trees, such as *Abies fraseri*, *Cephalotaxus harringtonia*, *Pinus durangensis*, *P. greggii*, *P. halepensis*, *P. pinea*, and *Tetraclinis articulata*.

Trees IV is a valuable reference book for scientists, teachers, and students of forestry, botany, genetics, and horticulture, and all those who are interested in the biotechnology of trees.

New Delhi, March 1996

Professor Y.P.S. BAJAJ
Series Editor

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