

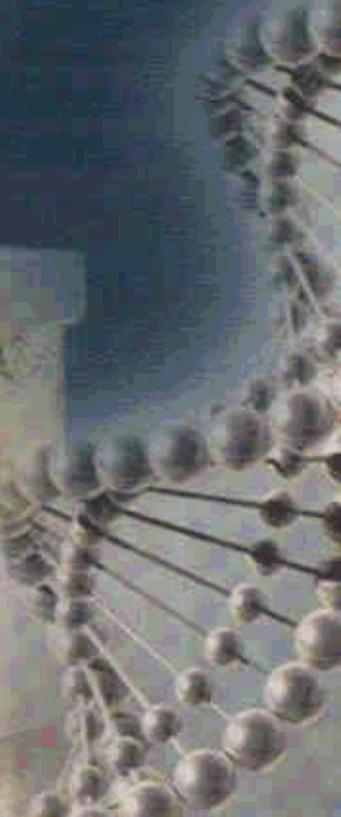
MULTICOLOUR ILLUSTRATIVE EDITION

A TEXTBOOK OF BIOTECHNOLOGY

R.C. DUBEY



S. CHAND



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UNIT I : INTRODUCTION

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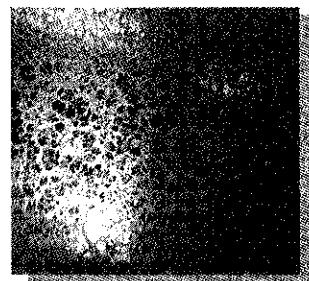


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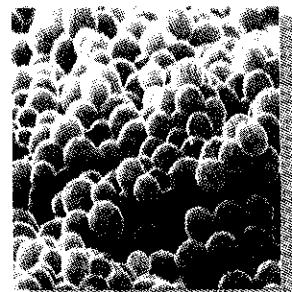
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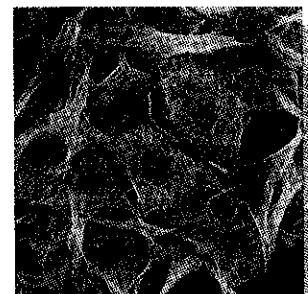
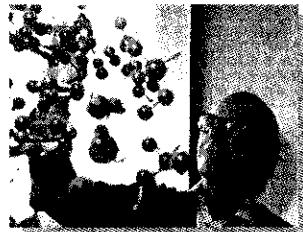


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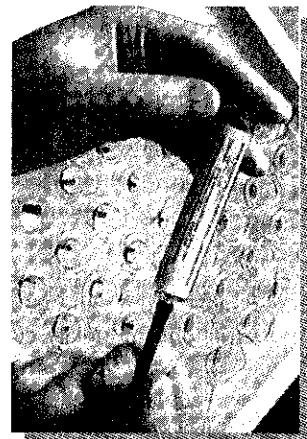
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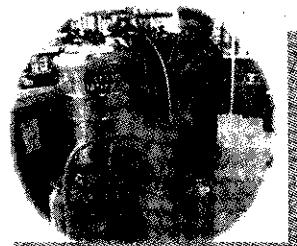


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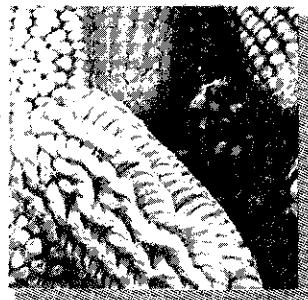
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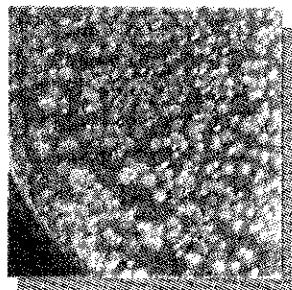
Cryopreservation of plant stock cells; Difficulties in cryopreservation; Methods for cryopreservation, selection of material, addition of cryoprotectors, freezing (rapid freezing slow freezing, stepwise freezing), storage in liquid nitrogen, thawing, washing and reculturing regeneration of plantlets; Plant cell bank; Pollen bank; Achievements through cryopreservation; Cryopreservation of animal stock cells; Selection of cell line and standardization of culture condition, Stages of cryopreservation, Cell bank.



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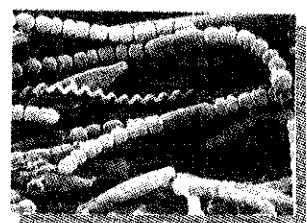
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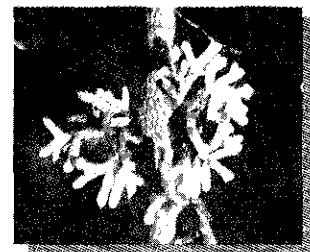
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**21. Biopesticides (Biological Control of Plant Pathogens, Pests and Weeds)**

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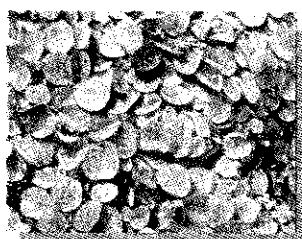


UNIT VIII : BIOTECHNOLOGY AND ENVIRONMENT

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533 — 549

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550 — 568

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601 — 614

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Experiment 13. Ion exchange chromatography

Experiment 14. SDS-PAGE analysis of protein

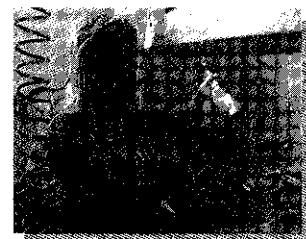
Experiment 15. Plasmid isolation

Experiment 16. Restriction digestion of DNA

Experiment 17. Transformation in bacteria

Experiment 18. DNA sequencing

Experiment 19. Protoplast preparation and fusion



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