

S. K. Turasheva

# BASICS OF BIOTECHNOLOGY: PLANT BIOTECHNOLOGY

Textbook



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cells are capable of representing whole plants irrespective of their nature of differentiation and ploidy level. Plant culture also provides the best means to elicit the cellular totipotency of plant cells, therefore, it forms the backbone of the modern plant improvement by biotechnological methods.

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In the textbook presented basic information on theoretical, practical and applied aspects of plant biotechnology. Each chapter includes relevant media protocols, methods, technologies and is profusely illustrated with schemas, diagrams and original photographs. The textbook includes 3 parts, 13 chapters and contains a complete bibliography and a glossary of terms commonly used in plant biotechnology literature.

This textbook help students understand plant biotechnology, how the research is conducted, and how the technology may impact the future.

The textbook proves to be an excellent text-material for undergraduate, postgraduate students, researchers in various fields of plant sciences, plant biotechnology and a useful reference book for those interested in the application of any aspect of plant technologies.

Published in authorial release.

В учебнике представлены основные теоретические и практические материалы, а также прикладные аспекты биотехнологии растений. В каждой главе рассматриваются протоколы питательных сред и методов, технологии, которые сопровождаются поясняющими схемами, диаграммами, а также оригинальными фотографиями. Учебник состоит из 3 частей, 13 глав, а также библиографических ссылок и гlosсария терминов, общепринято используемых в биотехнологии растений.

Книга будет полезна студентам для изучения основ биотехнологии растений, правильного проведения исследований и понимания того, каким образом технологии могут оказывать влияние на будущее развитие биотехнологии.

Учебник предназначен для студентов, магистрантов, молодых научных сотрудников, занимающихся в области растениеводства, биотехнологии растений и для широкой аудитории читателей, интересующихся прикладными аспектами биотехнологии растений.

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