



## Advances in Biotechnology [

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Springer

Pharmacy Life sciences Science Medicine Environment Life  
Sciences Life Sciences, general Biomedicine general Environment, general  
Science, general Medicine/Public Health, general Pharmacy

Monografía

The book *Advances in Biotechnology* is about recent advances in some of the important fields that are ongoing in certain biotechnological applications. Biotechnology has been quite helpful in keeping pace with the demands of every increasing human population and in improving the quality of human life. Major biotechnological achievements associated with human welfare have been from the fields like genetic engineering; transgenic plants and animals; genomics, proteomics, monoclonal antibodies for the diagnosis of disease, gene therapy etc. Fourteen authoritative chapters written by experts having experience in academics and research on current developments and future trends in biotechnology have been empathized. The book provides a detailed account of various methodologies used in biotechnology i.e. High capacity vectors, DNA sequencing dealing with next generation sequencing, Molecular markers, DNA microarray technology, as well as Proteomics that have revolutionized biotechnology with a wide array of applications. The book not only presents a well-founded explanation of the topics but also aims to present up-to-date reviews of current research efforts, some thoughtful discussions on the potential benefits and risks involved in producing biotechnological products and the challenges of bringing such products to market. It will prove to be an excellent reference work for both academicians and researchers, indicating new starting points to young researchers for new projects in the field. The book is intended for biotechnologist, biologist, researchers, teachers and students of Biosciences and Biotechnology

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**Título:** *Advances in Biotechnology* [Recurso electrónico] edited by Indu Ravi, Mamta Baunthiyal, Jyoti Saxena

**Editorial:** New York [etc.] Springer

**Descripción física:** XII, 259 p. 65 il., 43 il. en color

**Contenido:** 1. High Capacity vectors -- 2. DNA Sequencing -- 3. Molecular Markers -- 4. Gene Therapy -- 5. RNA interference and its Applications -- 6. DNA Microarray -- 7. Metagenomics: The Exploration of Unculturable Microbial World -- 8. Proteomics -- 9. Recent Advances in Stem Cell Research -- 10. Biosensors -- 11. Production and Applications of Monoclonal Antibodies -- 12. Edible Vaccines -- 13. Engineering Plants for Phytoremediation -- 14. Future of Biotechnology Companies in India

**Detalles del sistema:** Modo de acceso: Word Wide Web Modo de acceso: World Wide Web

**Fuente de adquisición directa:** Springer (e-Books)

**ISBN:** 9788132215547 9788132215530

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