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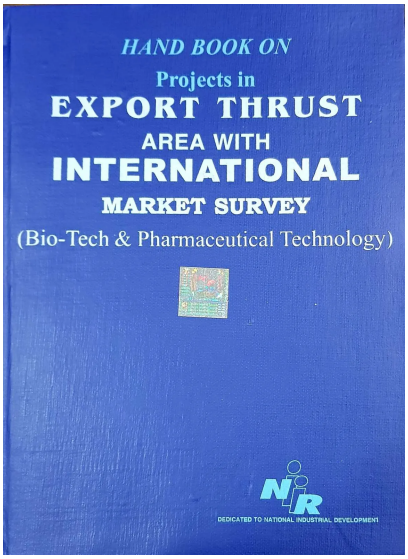

NIIR Handbook On Projects In Export Thrust Area With International Market Survey (Biotech & Pharmaceutical Technology)

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Description

Modern pharmaceutical manufacturing techniques frequently rely upon biotechnology. The emergence of biotechnology over the past several decades has transformed the drug business and ushered in a host of new participants and several novel business models. Biotechnology (Biotech) is a field of applied biology that involves the use of living organisms and bioprocesses in engineering, technology, medicine and other fields requiring bio products. Biotechnology also utilizes these products for manufacturing purpose. Modern use of similar terms includes genetic engineering as well as cell and tissue culture technologies. The concept encompasses a wide range of procedures (and history) for modifying living organisms according to human purposes, going back to domestication of animals, cultivation of plants, and improvements to these through breeding programs that employ artificial selection and hybridization. As understanding of biological systems has forged ahead, pharmaceutical companies have made increasing use of biotechnology in discovering and manufacturing new medicines. Biotechnology helps the pharmaceutical industry to develop new products, new processes, methods and services and to improve existing ones.
This book explains about the Market survey, manufacturing processes and other details of various enzymes (e.g. pectolytic enzyme, lytic enzyme, etc.), antibiotics, biofertilizer, etc. It also provides applications of biotechnology in agriculture (bioinsecticides & biopesticides, hybrid seeds, tissue culture, etc.), animal husbandry, aquaculture, human health, population control, fuel & fodder, waste etc.
Comprehensive in scope, the book provides solutions that are directly applicable to the properties, manufacturing technology and other specific details of enzymes, antibiotics, biofertilizer, insulin and growth hormone, aqua culture, floriculture, tissue culture, bulk drug intermediate. Research scholars, professional students, scientists, new entrepreneurs, and present manufacturers will find valuable educational material and wider knowledge of the subject in this book.

Content

1. Enzymes
2. Antibiotics
3. Biofertilizer
4. Insulin and Growth Hormone
5. Aqua Culture
6. Floriculture
7. Tissue Culture

8. Bulk Drug Intermediate

About Niir

NIIR Project Consultancy Services (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. Its various services are: Pre-feasibility study, New Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Preparation of Project Profiles and Pre-Investment and Pre-Feasibility Studies, Market Surveys and Studies, Preparation of Techno-Economic Feasibility Reports, Identification and Selection of Plant and Machinery, Manufacturing Process and/or Equipment required, General Guidance, Technical and Commercial Counseling for setting up new industrial projects and industry. NPCS also publishes various technology books, directories, databases, detailed project reports, market survey reports on various industries and profit making business. Besides being used by manufacturers, industrialists, and entrepreneurs, our publications are also used by Indian and overseas professionals including project engineers, information services bureaus, consultants and consultancy firms as one of the inputs in their research.