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Titolo	Industrial Microbiology Based Entrepreneurship [[electronic resource]] : Making Money from Microbes / / edited by Natarajan Amaesan, Dhanasekaran Dharumadurai, Diana R. Cundell
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Descrizione fisica	1 online resource (333 pages)
Collana	Microorganisms for Sustainability, , 2512-1898 ; ; 42
Disciplina	929.374
Soggetti	Industrial microbiology Microbiology - Technique Microbiology Industrial Microbiology Microbiology Techniques Microbiologia industrial Emprenedoria Llibres electrònics
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Microbiology Based Entrepreneurship -- 2. Mass multiplication, production cost analysis and marketing of protease -- 3. Mass multiplication, production cost analysis and marketing of xylanase -- 4. Mass multiplication, production cost analysis and marketing of cellulase -- 5. Mass multiplication, production cost analysis and marketing of pectinase -- 6. Production, cost analysis, and marketing of Citric acid -- 7. Production, cost analysis and Marketing of Lactic acid -- 8. Production, cost analysis and marketing of acetic acid (vinegar) -- 9. Mass Multiplication, Production Cost Analysis and Marketing of Polyhydroxyalkanoates (PHAs) -- 10. Small, large-scale production and cost-benefit analysis and marketing of agar from Gelidium -- 11. Mass production of valuable pro-vitamin A pigment from a microbe, cost analysis and targeting it for health benefiting purpose -- 12. Pseudomonas species derived chitinase mass multiplication, production cost analysis, and marketing: as a biocontrol

agent for crop protection -- 13. Production, cost analysis and marketing of Bio-organic Liquid Fertilizers and Plant Nutrition Enhancer -- 14. Production, cost analysis and marketing of agricultural effective microorganisms -- 15. Production, cost analysis and marketing of biogas -- 16. Mass Production and Marketing of Compost Caterpillar Fungus *Cordyceps sinensis* -- 17. Mass Production Methods, Market and Applications of Chitosan & Chitin Oligomer as a Biostimulant -- 18. Mass Multiplication and Production Cost Analysis and Marketing of Phosphate Solubilizing Microorganisms (PSM) -- 19. Large scale production and Business plan for Novel Corona Vaccine.

Sommario/riassunto

This book is first part of the 3 volume set focusing on basic and advanced methods for using microbiology as an entrepreneurial venture. This book deals with the concept of entrepreneurship skills for production, cost-benefit analysis and marketing of vaccines, diagnostic kits, biofuels, biogas, organic acids, plant nutrition enhancer, biofungicides, molecular products from Microbes-Taq polymerase, restriction enzymes and DNA ligase. Chapters cover the applications of microorganisms in small and large scale production to achieve a sustainable output. The book provides essential knowledge and working business protocols for Enzyme Industry, Pharmaceutical Industry, vaccine production etc. This book is helpful to graduate students, research scholars and postdoctoral fellows, and teachers who belong to different disciplines via botany, industrial microbiology, pharmaceutical and biotechnology, molecular biology. Other two volumes are focused on food and agriculture microbiology.
