1. Record Nr. UNISA996336047503316

Titolo	Proceedings of the Institution of Mechanical Engineers . Part E Journal of process mechanical engineering
Pubbl/distr/stampa	London, : Published for the Institution of Mechanical Engineers by Mechanical Engineering Publications Ltd., 1989-
ISSN	2041-3009
Disciplina	621/.05
Soggetti	Production engineering Manufacturing processes Mechanical engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Published for the Institution of Mechanical Engineers by Professional Engineering Publishing, Ltd., <2001- > Refereed/Peer-reviewed

2.

Record Nr.	UNINA9910784529603321
Autore	Becker Jeffrey M
Titolo	Biotechnology [[electronic resource]] : a laboratory course / / Jeffrey M. Becker, Guy A. Caldwell, Eve Ann Zachgo
Pubbl/distr/stampa	San Diego, : Academic Press, c1996
ISBN	1-281-18650-3 9786611186500 0-08-052819-8
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (283 p.)
Altri autori (Persone)	CaldwellGuy A ZachgoEve Ann
Disciplina	660.6 660/.6/078 20
Soggetti	Biochemical engineering Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Biotechnology: A Laboratory Course; Copyright Page; Contents; Preface to the Second Edition; Preface to the First Edition; Acknowledgments; Suggested Schedule for Exercises; Introductory Notes: Record Keeping and Safety Rules; Format of Student Laboratory Records; The Ten Commandments of Record Keeping; Safety Rules in the Laboratory; Exercise 1. Aseptic Technique and Establishing Pure Cultures: The Streak Plate and Culture Transfer; Exercise 2. Preparation of Culture Media; Exercise 3. The Growth Curve; Exercise 4. Isolation of Plasmid DNA from Escherichia coli: The Mini-Prep Exercise 5. Purification, Concentration, and Quantitation of DNAExercise 6. Large-Scale Isolation of Plasmid DNA by Column Chromatography; Exercise 7. Amplification of a lacZ Gene Fragment by the Polymerase Chain Reaction; Exercise 8. Restriction Digestion and Agarose Gel Electrophoresis; Exercise 9. Southern Transfer; Exercise 10. Preparation, Purification, and Hybridization of Probe; Exercise 11. Transformation of Saccharomyces cerevisiae; Exercise 12. Isolation of Plasmid from Yeast and Escherichia coil Transformation; Exercise 13. Protein Assays

Exercise 14. Qualitative Assay for b-Galactosidase in Yeast ColoniesExercise 15. Determination of b-Galactosidase in Permeabilized Yeast Cells; Exercise 16. Assay of b-Galactosidase in Cell Extracts; Exercise 17. b-Galactosidase Purification; Exercise 18. Western Blot: Probe of Protein Blot with Antibody to b-Galactosidase; Appendix 1. Alternative Protocols and Experiments; Exercise 1A Isolation and Characterization of Auxotrophic Yeast Mutants; Exercise 2A Measurement of pH; Exercise 3A Use of the Spectrophotometer; Exercise 6A Isolation of Plasmid DNA: The Maxi-Prep
Exercise 10A Colony HybridizationAppendix 2. Buffer Solutions; Appendix 3. Preparation of Buffers and Solutions; Appendix 4. Properties of Some Common Concentrated Acids and Bases; Appendix 5. Use of Micropipettors; Appendix 6. Safe Handling of Microorganisms; Appendix 7. List of Cultures; Appendix 8. Storage of Cultures and DNA; Appendix 9. Sterilization Methods; Appendix 10. Preparation of Stock Solutions for Culture Media; Appendix 11. Growth in Liquid Medium; Appendix 12. Determination of Viable Cells; Appendix 13. Determination of Cell Mass; Appendix 14. Determination of Cell Number
Appendix 15. Nomenclature of StrainsAppendix 16. Glassware and Plasticware; Appendix 17. Preparation of Tris and EDTA; Appendix 18. Basic Rules for Handling Enzymes; Appendix 19. Effects of Common Contaminants on Protein Assays; Appendix 20. Manufacturers' and Distributors' Addresses; Appendix 21. Surfing the Bionet: World Wide Web Addresses; Glossary; Index

Sommario/riassunto

The objectives of this Second Edition of Biotechnology: A Laboratory Course remain unchanged: to create a text that consists of a series of laboratory exercises that integrate molecular biology with protein biochemistry techniques while providing a continuum of experiments. The course begins with basic techniques and culminates in the utilization of previously acquired technical experience and experimental material. Two organisms, Sacchaomyces cerevisiae and Escherichia coli, a single plasmid, and a single enzyme are the experimental material, yet the procedures and

3.	Record Nr.	UNINA9910254116303321
	Titolo	Climate Change Challenge (3C) and Social-Economic-Ecological Interface-Building : Exploring Potential Adaptation Strategies for Bio-resource Conservation and Livelihood Development / / edited by Sunil Nautiyal, Ruediger Schaldach, K V Raju, Harald Kaechele, Bill Pritchard, Kottapalli Sreenivasa Rao
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
	ISBN	3-319-31014-3
	Edizione	[1st ed. 2016.]
	Descrizione fisica	1 online resource (623 p.)
	Collana	Environmental Science, , 1431-6250
	Disciplina	333.7
	Soggetti	Environmental engineering Biotechnology Conservation biology Ecology Environmental sociology Natural resources Climatic changes Environmental Engineering/Biotechnology Conservation Biology/Ecology Environmental Sociology Natural Resource and Energy Economics Climate Change Management and Policy
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references at the end of each chapters.
	Nota di contenuto	Strategies for Bio-resource Conservation and Livelihood Development : Prologue -- The impacts of climate change for food and nutrition security. Issues for India -- Climate Change Strategies and Developing Nations: Prospects and Priorities for India -- Knowledge-Based Climate Economy: Integrated Sciences, Accelerated Convergence and Beyond -- Socio-economic and Agricultural Vulnerability Across Districts of Karnataka -- Structure and ecosystem functions in and around the

protected areas of biodiversity hotspots: resource need and resource flow under changing climate -- Analysis of policies in sustaining Sandalwood resources in India -- Analysing vulnerability to climate change in India with special reference to drought risk: Results from a field survey -- An Assessment of Vulnerability of Livestock Farming to Climate Variability -- Climate Change Challenge (3C) and Social-Economic-Ecological Interface-Building - Exploring Potential Adaptation Strategies for Bio-resource Conservation and Livelihood Development : Epilogue.

Sommario/riassunto

This book is the outcome of two International Conferences held at the ISEC in Bangalore, India: the international conference on “Climate Change and Social-Ecological-Economical Interface-Building: Modelling Approach to Exploring Potential Adaptation Strategies for Bio-resource Conservation and Livelihood Development” held during 20–21 May 2015 and jointly organized by the Centre for Ecological Economics and Natural Resources (CEENR), Institute for Social and Economic Change (ISEC) and the Centre for Environmental Systems Research (CESR), University of Kassel, Germany; and the international conference “Climate Change and Food Security – the Global and Indian Contexts,” jointly hosted by the CEENR, ISEC and the School of Geosciences, University of Sydney, on 18–19 February 2015. The selected papers presented in this book portray a broad range of international research efforts aimed at developing a deeper understanding of human-environment systems but also at translating scientific knowledge into political and societal solutions and responses to the challenge of climate change.