1. Record Nr. UNINA9910971397803321

Titolo	The cultural history of plants / / Ghillean Prance, consulting editor ; Mark Nesbitt, scientific editor
Pubbl/distr/stampa	New York, : Routledge, 2005
ISBN	1-135-95811-4 1-280-10184-9 1-78034-257-8 9786610101849 0-203-02090-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (461 p.)
Classificazione	42.40 48.12
Altri autori (Persone)	PranceGhillean T. <1937-> NesbittMark <1961->
Disciplina	630/.9
Soggetti	Crops - History Plants and civilization Ethnobotany
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	Book Cover; Title; Copyright; Contents
Sommario/riassunto	This valuable reference will be useful for both scholars and general readers. It is both botanical and cultural, describing the role of plant in social life, regional customs, the arts, natural and covers all aspects of plant cultivation and migration and covers all aspects of plant cultivation and migration. The text includes an explanation of plant names and a list of general references on the history of useful plants.

2. Record Nr. UNINA9911049052203321

Autore	Drees M (Manuel)
Titolo	Theory and phenomenology of sparticles / / by Manuel Drees, Rohini Godbole & Probir Roy
Pubbl/distr/stampa	Singapore ; ; London, : World Scientific, 1999
ISBN	9786611928070 9781281928078 1281928070 9789812775351 9812775358
Descrizione fisica	1 online resource (582 p.)
Classificazione	33.51
Altri autori (Persone)	RoyProbir GodboleRohini
Disciplina	539.725
Soggetti	Supersymmetry Symmetry (Physics)
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 (p. 531-537) and index.
Nota di contenuto	Contents; Preface; Some Tips on Using This Book; MSSM Sparticles and Lower Mass Bounds; Acronyms and Abbreviations; Notation Conventions and Basic Superfield Definitions; INTRODUCTION AND OVERVIEW; Chapter 1. Supersymmetry: Why and How; 1.1 History and motivation; 1.2 Quadratic divergence and unnaturalness; 1.3 Naturalness nonrenormalization supersymmetry; References; PART ONE SUPERSYMMETRY FORMALISM; Chapter 2. Preliminaries; 2.1 Grassmann elements and variables; 2.2 Supersymmetric harmonic oscillator; 2.3 Glimpse of superspace; 2.4 Supersymmetry and spacetime transformations; References Chapter 3. Algebraic Aspects3.1 Supersymmetry algebra; 3.2 Two component notation; 3.3 Particle supermultiplets; References; Chapter 4. Free Superfields in Superspace; 4.1 General superfield in superspace; 4.2 Chiral covariant derivatives; 4.3 Left and right chiral superfields; 4.4 Vector superfields; 4.5 Matter parity and R-parity; References; Chapter 5. Interacting Superfields; 5.1 System of interacting chiral superfields; 5.2 Abelian gauge interactions; 5.3 Supersymmetric

quantum electrodynamics (SQED); 5.4 Nonabelian gauge interactions; 5.5 Supersymmetric quantum chromodynamics (SQCD)
5.6 Supersymmetric chiral gauge theory (SxGT)References; Chapter 6. Superspace Perturbation Theory and Supergraphs; 6.1 Nonrenormalization of superpotential terms; 6.2 Functional methods in superspace; 6.3 Functional formulation of superfield theory; 6.4 GRS Feynman rules for the Wess-Zumino model; 6.5 Feynman rules for non-abelian supergauge theories; 6.6 Sample one loop supergraph calculations; 6.7 The nonrenormalization theorem; 6.8 One loop infinities and B-y-functions; 6.9 Renormalization group evolution; References; Chapter 7. General Aspects of Supersymmetry Breaking 7.1 Initial remarks7.2 Spontaneous supersymmetry breaking: some generalities; 7.3 The goldstino; 7.4 Model of F-type supersymmetry breaking; 7.5 Model of D-type supersymmetry breaking; 7.6 Dynamical model of supersymmetry breaking; 7.7 Soft explicit supersymmetry breaking; 7.8 The general mass sum rule; References; PART TWO SUPER SYMMETRY PHENOMENOLOGY; Chapter 8. Basic Structure of the MSSM; 8.1 Brief review of the Standard Model; 8.2 Superfields of the MSSM; 8.3 Supersymmetric part of the MSSM; 8.4 Some non-Higgs vertices of the MSSM; References
Chapter 9. Soft Supersymmetry Breaking in the MSSM9.1 The content of LSOFT; 9.2 Electroweak gauginos and higgsinos; 9.3 Chargino and neutralino interactions with gauge bosons; 9.4 Masses and mixing patterns of sfermions; 9.5 The Flavor problem in supersymmetry; 9.6 Interactions of sfermions with gauge bosons; 9.7 Fermion-sfermion-gaugino/higgsino interactions; 9.8 Quartic sfermion vertices; References; Chapter 10. Higgs Bosons in the MSSM; 10.1 Higgs potential in the MSSM; 10.2 Spontaneous symmetry breakdown and VEVs; 10.3 Higgs masses at the tree level; 10.4 Higgs-particle vertices 10.5 Higgs-sparticle vertices

Sommario/riassunto

Supersymmetry or SUSY, one of the most beautiful recent ideas of physics, predicts sparticles existing as superpartners of particles. This book gives a theoretical and phenomenological account of sparticles. Starting from a basic level, it provides a comprehensive, pedagogical and user-friendly treatment of the subject of four-dimensional N=1 supersymmetry as well as its observational aspects in high energy physics and cosmology. Part One of the book introduces the requisite formal theory, preceded by a discussion of the naturalness problem. Part Two describes the supersymmetrization of the St