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Ethnomedicinal Plants of India

Ethnomedicinal Plants of India (Vol. 3) The huge number and broad range of the existing and potential applications of fuzzy logic have precipitated a veritable avalanche of books published on the subject. Most, however, focus on particular areas of application. Many do no more than scratch the surface of the theory that holds the power and promise of fuzzy logic. Fuzzy Automata and Languages and Applications offers the first in-depth treatment of the theory and mathematics of fuzzy automata and fuzzy languages. After introducing background material, the authors study max-min machines and max-product machines, developing their respective algebras and exploring properties such as equivalences, homomorphisms, irreducibility, and minimality. The focus then turns to fuzzy context-free grammars and languages, with special attention to trees, fuzzy dendrolanguage generating systems, and normal forms. A treatment of algebraic fuzzy automata theory follows, along with additional results on fuzzy languages, minimization of fuzzy automata, and recognition of fuzzy languages. Although the book is theoretical in nature, the authors also discuss applications in a variety of fields, including databases, medicine, learning systems, and pattern recognition. Much of the information on fuzzy languages is new and never before presented in book form. Fuzzy Automata and Languages incorporates virtually all of the important material published thus far. It stands alone as a complete reference on the subject and belongs on the shelves of anyone interested in fuzzy mathematics or its applications.

Progress in Mycology

The book entitled "Biopesticides in Organic Farming : Recent Advances", describes critically reviewed, key aspects of organic farming and provides a unique and timely science-based resource for researchers, teachers, extension workers, students, primary producers and others around the world. This book is intended to be a unique and indispensable resource that offers a diverse range of valuable information and perspectives on biopesticides in organic agriculture. It has chapters on each and every aspect related with biopesticides in organic farming which are compiled by researchers and eminent professors at various universities across the globe. The wide spectrum information in various chapters with the addition of the terms related to organic farming and concept statements is presented in very concise manner. Features: This book is designed, as per course curriculum of different universities offering courses on Organic Farming, for undergraduate and post graduate students, researchers, university professors and extension workers. The first section provides, Overview of organic farming with special reference to biopesticides followed by the Principles of the applications of biopesticides in organic farming, Impact of Environmental factors on biopesticides in organic farming, Pesticides Exposure Impacts on Health and Need of Biopesticides in Organic Farming, and Role of nutrients in the management of crop diseases through biopesticides. The next section deals with the management of various crop diseases through biopesticides of bacterial, fungal, viral, and Insect sex hormone, Natural enemies and Integrated Pest Management, Biotechnological Trends in Insect Pests Control Strategy, Challenges in the popularization of Biopesticides in organic farming, Certification process and standards of organic farming and Marketing and export potential of organic Products. Information presented in an accessible way for students, professors, researchers, business innovators and entrepreneurs, management professionals and practitioners.

Ethnobotany in South Asia

Contributed articles.

Botanists and Botanical Researches in Maharashtra, 1951-1975

Re-searching Transitions in Indian History The idea of transitions in Indian history emerged early when the term ‘transition’ denoted shifts from one period to another. The notion of transition itself has moved beyond being primarily economic to include dimensions of society, culture and ideology. This volume brings together scholarly works that re-examine and re-define the concept of transition by looking into a range of subjects including religion, culture, gender, caste and community networks, maritime and mercantile modes, ideas of nationalism and historiographies across geographical and temporal settings. With contributions by leading scholars from South Asia, this book will be useful to scholars and researchers of ancient history, modern Indian history, sociology and social anthropology, and South Asian studies.

Lecture notes in pure and applied mathematics This book examines fuzzy relational calculus theory with applications in various engineering subjects. The scope of the
text covers unified and exact methods with algorithms for direct and inverse problem resolution in fuzzy relational calculus. Extensive engineering applications of fuzzy relation compositions and fuzzy linear systems (linear, relational and intuitionistic) are discussed. Some examples of such applications include solutions of equivalence, reduction and minimization problems in fuzzy machines, pattern recognition in fuzzy languages, optimization and inference engines in textile and chemical engineering, etc. A comprehensive overview of the authors’ original work in fuzzy relational calculus is also provided in each chapter. The attached CD-Rom contains a toolbox with many functions for fuzzy calculations, together with an original algorithm for inverse problem resolution in MATLAB. This book is also suitable for use as a textbook in related courses at advanced undergraduate and graduate levels. Contents:Fuzzy Relations, Direct Problem ResolutionFuzzy Relation EquationsFuzzy Relational InclusionsFuzzy Linear Systems - Dual ApproachDirect and Inverse Problems in Intuitionistic Fuzzy Relational Calculus-Fuzzy Finite MachinesFuzzy Languages in Syntactic Pattern RecognitionApplications as Inference EngineSoftware DescriptionReadership: Academics and researchers in theoretical and applied mathematics; programmers and engineers. Keywords:Fuzzy Relational Equations;Fuzzy Linear Systems;Direct and Inverse Problem Resolution;Fuzzy Machines;Fuzzy Languages;Inference Engine;MATLAB.Key Features:Includes comprehensive bibliographical notes at the end of each chapterFree toolbox for fuzzy relational calculations with MATLABProvides many solved examples of fuzzy compositions, intuitionistic compositions, fuzzy linear systems of equations, fuzzy relational equations, intuitionistic fuzzy systems, problems in fuzzy machines

Asian Agri-history Advances in Biotechnology, Volume IV: Current Developments in Yeast Research covers the proceedings of the Fifth International Yeast Symposium. The book presents several papers that discuss several aspects of yeast. Comprised of 95 chapters and organized into eight sections, the book first discusses the industrial and agricultural uses of yeast, and then covers genetics. The third section reviews sporulation and conjugation. Section IV tackles biochemistry, while Section V and Section VI talk about taxonomy, ecology, and cell cycle. The seventh section covers the Phaff symposium and the last section reviews the plenary lectures. The book will be of great interest to researchers and professionals such as botanists and agriculturists who have an interest in understanding the various aspects of yeast.

Indian National Bibliography

Flora of Maharashtra State: i.e. v. 3 (Combretaceae to Ceratophyllaceae)

Smarandache Fuzzy Algebra

Nationalism, Literature, and Creation of Memory

The Bombay Law Reporter

Ethnobotany

Fuzzy Automata and Languages With focus on the practical use of modern biotechnology for environmental sustainability, this book provides a thoughtful overview of molecular aspects of environmental studies to create a new awareness of fundamental ecological processes and sustainable ecological concerns. It covers the latest research by prominent scientists in modern biology and delineates recent and prospective applications in the sub-areas of environmental biotechnology with special focus on the biodegradation of toxic pollutants, bioremediation of contaminated environments, and bioconversion of organic wastes toward a green economy and sustainable future.

Hand-book of Criminal Cases

Fuzzy Semigroups The present ethnobotanical work was carried out by doing periodical and extensive ethnobotanical survey, assessment of field and tribal knowledge bank of tribal inhabited localities of Ratlam district of Western Madhya Pradesh from 2004-2007. A total number of 210 plant species of ethnobotanical importance [Medicinal-186; Vegetables- 27; Wild edible fruits-36; Fodder/Forage – 18; Beverage and Drinks-3; Gum and Resin-3; Magico-religious beliefs and offerings-25; Agriculture implements, Handle, Tools, Boats-5; Fibres-11; Detergent – 3; Dye-3; Tannin-12; Oil yielding Plants-3; House, Building construction, Thatching and Furniture-11; Taboos and Totems-6; Musical instruments-11; Fuel-6; Biofencing-10; Fish poison-10; Other economic uses-7] belonging to 178 genera and 71 families have been including in the present study used by the indigenous people inhabiting all the villages of the district. Further the dicots are represented by 180 species belonging to 150 genera and 59 families and the remaining 30 species; belong to 28 genera and 12 families of monocots. Statistically, out of 210 plant species of ethnobotanical interest are belonging to different habits viz, 96 herbs, 55 trees, 37 shrubs, 3 climbers, 3 grasses and one angiospermic parasite plants and were included in the present study. The book includes vernacular names, Taxonomic description, distribution, part use, Chemical constituents, Biological activities, Folk uses of studied plants. This book is helpful for Botanists, Ethnobotanists, NGO’s and research workers interested in carrying out the researchers in the field of Ayurveda and Medicinal uses of the plants, BAMS students, the student of Botany and the persons engaged in Pharmaceutical concerns as well as other reader’s interested in the field of Herbal-medicine and Ethno-medicine and a must for Scientific and University Libraries in Madhya Pradesh.

Biovigyanam The Present Book Ethnobotany Contains 28 Articles By Eminent Ethnobotanists Of The Country On Different Aspects Of The Subject. From The Introduction Of
Ethnobotany, This Book Covers Articles On The Sacred Groves, Traditional Use Of Plants For Beauty Care, Folk Customs And Rituals, Ethnomedicinal Plants, Ethnoveterinary Forest Products And Ethnozoology. Articles On Ethnobotanical Studies In Madhya Pradesh, Maharashtra, Saurashtra, The Terai Region Of Uttar Pradesh, West Bengal, Uttarakhand, Andhra Pradesh And Rajasthan Cover Some General And A Few Specifically On Medicine And Food Of These Regions. Articles On Protocol For Ethno-Medicinal Studies, Ethnobiology And Ayurveda, Ancient Plant Economy In India, Wetland Biodiversity, Etc, Have Added To The Value Of The Book. Thus, It Provides A Good Glimpse Of The Rich Ethnobotanical Heritage Of India.

Fuzzy Semirings with Applications to Automata Theory Reports for 1958-1970 include catalogues of newspapers published in each state and Union Territory.

Bibliography of Indian Ethnobotany 2002

Ethnobotany of Dadra, Nagar Haveli, and Daman (union Territories)

Reviews on Indian Medicinal Plants: Ch-Ci The present book "Ethnobotany and Medicinal Plants of India and Nepal" is next publication in the series on Indian Medicinal Plants. The contributors of the papers in this book are well known Indian Ethnobotanists who have furnished authenticated data for further scientific and clinical tests. The information about the medicinal plants spread over 325 pages, covers various tribal communities from north to south and east to west and different ailments cured in nature’s dispensary. Beautiful photographs of some medicinal plants have also been provided by some contributors. The information furnished in the book will be useful for controlling biopiracy, backing conservation strategies and facilitate better understanding of phytotherapy research.

Descriptive Catalogue of Papers Relating to Rajarshi Shahu Chhatrapati of Kolhapur, 1884-1922 A.D.

Press in India This book is the first to be devoted entirely to fuzzy abstract algebra. It presents an up-to-date version of fuzzy commutative algebra, and focuses on the connection between L-subgroups of a group, and L-subfields of a field. In particular, an up-to-date treatment of nonlinear systems of fuzzy intersection equations is given.

Algebra and its Applications Indian mycologists have extensively studied various groups of fungi such as soil fungi, aquatic fungi, marine fungi, endophytic fungi, fungi associated with man and animals. Though several books on various aspects of fungi are published, this is the first account of the history and developments in mycology in India. It discusses at length various stages of development of mycology including both classical and biotechnological aspects. It begins with a historical account of Indian mycology, followed by a description of research on fossil fungi. Further chapters cover the latest updates on different taxonomic groups of fungi. A dedicated section describes the roles and applications of fungal endophytes. The book also includes research in other important areas such as mushrooms and wood rotting fungi. Different chapters are written by leading mycologists. This book is useful to students, teachers and researchers in botany, microbiology, biotechnology and life sciences, agriculture and industries using fungi to produce various valuable products.

Fuzzy Relational Calculus The purpose of this book is to present an up to date account of fuzzy ideals of a semiring. The book concentrates on theoretical aspects and consists of eleven chapters including three invited chapters. Among the invited chapters, two are devoted to applications of Semirings to automata theory, and one deals with some generalizations of Semirings. This volume may serve as a useful hand book for graduate students and researchers in the areas of Mathematics and Theoretical Computer Science.

Fuzzy Commutative Algebra Chiefly a bibliography of research papers.

Ethnobotany The chapters in this book show that a careful blend of engineering judgement and advanced principles of engineering mechanics may be used to resolve many complex geotechnical engineering problems. It is hoped that these may inspire the geotechnical engineering practice to make more extensive use of them in future.

The Indian Law Reports

Biodiversity of the Western Ghats of Maharashtra

Biopesticides in Organic Farming

Desai's Hand-book of Criminal Cases: 1900-1906

ETHNOBOTANY OF BHIL TRIBE

Advances in Biotechnology An accessible, clear, concise, and contemporary course in geotechnical engineering design, covers the major in geotechnical engineering packed
with self-test problems and projects with an on-line detailed solutions manual presents the state-of-the-art field practice covers both Eurocode 7 and ASTM standards for the US.

Bal Gangadhar Tilak Herbal Medicines Are In Great Demand In Both Developed And The Developing Countries In Primary Healthcare Because Of Their Great Efficacy And Little Or No Side Effects. In India, The Indigenous System Of Medicine Namely Ayurvedic, Siddha And Unani Have Been In Existence For Several Centuries. These Traditional System Of Medicine Together With Homoeopathy And Folklore Medicine Continue To Play A Significant Role Largely In The Health Care System Of The Population. The Tribals And Rural Population Of India Are Highly Dependent On Medicinal Plant Therapy For Meeting Their Health Care Needs. This Attracted The Attention Of Several Botanist And Plant Scientists Of Several Medicinal Plants And There Was A Spurt Of Scientific Literature. The Present Book Ethnomedicinal Plants Of India , Contains 21 Articles By Eminent Scholars Of The Country On Different Aspects Of The Subjects. This Book Contains Articles On Native Plant Remedies For Snake Bite, Cryptogramic Ethnomedicinal Plants From North-East India And Native Resources Used As Famine Food Provides Additional Information On The Subject. Article On Diversity, Utilization And Conservation Of Medicinal Plants Of Chitrakoot Region, M.P. Have Added To The Value Of The Book. Present Book Provides Excellent Glimpses Of The Rich Herbal Medicine And Traditional Knowledge Heritage Of India. The Present Book Will Serve Not Only As An Excellent Reference Material But Also As A Practical Guide For Herbal Healers, Vaidhyas, Hakims, Research Workers And Students In The Field Of Medicinal Plants.

Environmental Biotechnology The author studies the Smarandache Fuzzy Algebra, which, like its predecessor Fuzzy Algebra, arose from the need to define structures that were more compatible with the real world where the grey areas mattered, not only black or white. In any human field, a Smarandache n-structure on a set S means a weak structure \((w(0))\) on S such that there exists a chain of proper subsets \(P(n-1)\) in \(P(n-2)\) in \(P(2)\) in \(P(1)\) in S whose corresponding structures verify the chain \((w(n-1))\) includes \((w(n-2))\) includes \((w(2))\) includes \((w(1))\) includes \((w(0))\), where 'includes' signifies 'strictly stronger' (i.e., structure satisfying more axioms). This book is referring to a Smarandache 2-algebraic structure (two levels only of structures in algebra) on a set S, i.e. a weak structure \((w(0))\) on S such that there exists a proper subset \(P\) of S, which is embedded with a stronger structure \((w(1))\). Properties of Smarandache fuzzy semigroups, groupoids, loops, bigroupoids, biloops, non-associative rings, birings, vector spaces, semirings, semimatrix spaces, non-associative semirings, bisemirings, near-rings, non-associative near-ring, and binary-rings are presented in the second part of this book together with examples, solved and unsolved problems, and theorems. Also, applications of Smarandache groupoids, near-rings, and semirings in automaton theory, in error correcting codes, and in the construction of S-sub-biautomaton can be found in the last chapter.

Advanced Geotechnical Analyses

Geotechnical Engineering Design

The Criminal Law Journal Lotfi Zadeh introduced the notion of a fuzzy subset of a set in 1965. His seminal paper has opened up new insights and applications in a wide range of scientific fields. Azriel Rosenfeld used the notion of a fuzzy subset to put forth cornerstone papers in several areas of mathematics, among other disciplines. Rosenfeld is the father of fuzzy abstract algebra. Kurokawa is responsible for much of fuzzy ideal theory of semigroups. Others who worked on fuzzy semigroup theory, such as Xie, are mentioned in the bibliography. The purpose of this book is to present an up to date account of fuzzy subsemigroups and fuzzy ideals of a semigroup. We concentrate mainly on theoretical aspects, but do include applications. The applications are in the areas of fuzzy coding theory, fuzzy finite state machines, and fuzzy languages. An extensive account of fuzzy automata and fuzzy languages is given in [100]. Consequently, we only consider results in these areas that have not appeared in [100] and that pertain to semigroups. In Chapter 1, we review some basic results on fuzzy subsets, semigroups, codes, finite state machines, and languages. The purpose of this chapter is to present basic results that are needed in the remainder of the book. In Chapter 2, we introduce certain fuzzy ideals of a semigroup, namely, fuzzy two-sided ideals, fuzzy bi-ideals, fuzzy interior ideals, fuzzy quasi ideals, and fuzzy generalized bi-ideals.

The Criminal Law Journal of India The present volume contains an editorial review article New vistas in Ethnobotany along with 76 other articles written by eminent ethno-botanist working in various scientific research and academic institutions in South Asia. Ethnobotany of tribes/traditional uses of plants in different parts of South Asia and ethnobotanical uses of Herbarium have been dealt with in this work besides many other useful articles. This work provides a glimpse of rich ethnobotanical heritage of South Asia.