

The Macrofungus Flora Of Chinas Guangdong Province

N. Amaresan, M. Senthil Kumar, K. Annapurna, Krishna Kumar, A. Sankaranarayanan

The Macrofungus Flora Of Chinas Guangdong Province:

The Macrofungus Flora of China's Guangdong Province Zhishu Bi,1993 This is a comprehensive record of all the macrofungus found in Guangdong China in which 1 058 species under 239 genera 56 families 20 orders and 4 classes of Basidiomycotina and Ascomycotina are identified **Ecology of Macrofungi** Kandikere R. Sridhar, Sunil Kumar Deshmukh, 2023-12-01 Macrofungi have significant importance in human health particularly in nutrition medicine pharmaceuticals agriculture and industries They occupy a variety of ecosystems such as terrestrial agricultural lands forests and deserts freshwater bogs and marshes and maritime mangroves and coastal sand dunes habitats Their ecosystem services like nutrition humans and animals medicinal pursuits antibiotics and pharmaceuticals and bioremediation degradation of xenobiotics and insect control potential are dependent on their diversity and ecological conditions Macrofungal ecology serves as the basis for nutraceutical values agricultural benefits plant productivity environmental protection and industrially valued biocomposites This book focuses on various aspects of macrofungal distribution in diverse habitats participation in organic matter decomposition ectomycorrhizal associations and participation in biogeochemical cycles This book reviews the current developments in macrofungal ecology in different habitats and their benefits Due to the topics dealt with on macrofungal diversity distribution dynamics lifestyles ecosystem or substrate preferences and ecosystem services this book is valuable to mycologists botanists zoologists ecologists foresters geneticists agronomists and field biologists Humans and Nature in a Changing World Jesús Pérez-Moreno, Alexis Guerin-Laguette, Roberto Flores Arzú, Fu-Qiang Yu,2020-04-28 This book focuses on recent advances in our understanding of wild edible mycorrhizal fungi truffle and mushrooms and their cultivation In addition to providing fresh insights into various topics e g taxonomy ecology cultivation and environmental impact it also demonstrates the clear but fragile link between wild edible mushrooms and human societies Comprising 17 chapters written by 41 experts from 13 countries on four continents it enables readers to grasp the importance of protecting this unique invaluable renewable resource in the context of climate change and unprecedented biodiversity loss The book inspires professionals and encourages young researchers to enter this field to develop the sustainable use of wild edible mushrooms using modern tools and approaches It also highlights the importance of protecting forested environments saving species from extinction and generating a significant income for local populations while keeping alive and renewing the link between humans and wild edible mushrooms so that in the future the sustainable farming and use of edible mycorrhizal mushrooms will play a predominant role in the management and preservation of forested lands

Beneficial Microbes in Agro-Ecology N. Amaresan, M. Senthil Kumar, K. Annapurna, Krishna Kumar, A. Sankaranarayanan, 2020-05-14 Beneficial Microbes in Agro Ecology Bacteria and Fungi is a complete resource on the agriculturally important beneficial microflora used in agricultural production technologies Included are 30 different bacterial genera relevant in the sustainability mechanisms and beneficial natural processes that enhance soil fertility and plant growth

The second part of the book discusses 23 fungal genera used in agriculture for the management of plant diseases and plant growth promotion Covering a wide range of bacteria and fungi on biocontrol and plant growth promoting properties the book will help researchers academics and advanced students in agro ecology plant microbiology pathology entomology and nematology Presents a comprehensive collection of agriculturally important bacteria and fungi Provides foundational knowledge of each core organism utilized in agro ecology Identifies the genera of agriculturally important microorganisms

Mushrooms as Functional Foods Peter C. Cheung, 2008-12-29 Food scientists will dig into this robust reference on mushrooms Mushrooms as Functional Foods is a compendium of current research on the chemistry and biology nutritional and medicinal value and the use of mushrooms in the modern functional foods industry Topics covered range from the agricultural production of mushrooms to the use of molecular biological techniques like functional genomics from nutritional values of newly cultivated mushroom species to the multifunctional effects of the unconventional form of mushroom sclerotium from the physiological benefits and pharmacological properties of bioactive components in mushrooms to the regulation of their use as functional foods and dietary supplements in different parts of the world With contributions from leading experts worldwide this comprehensive reference Reviews trends in mushroom use and research with extensive information on emerging species Includes coverage of cultivation physiology and genetics Highlights applications in functional foods and medicinal use Covers worldwide regulations and safety issues of mushrooms in functional foods and dietary supplements Discusses the classification identification and commercial collection of newly cultivated mushroom species Features a color insert with photographs of different types of mushrooms This is an integrated single source reference for undergraduates majoring in food science and nutrition postgraduates and professional food scientists and technologists working in the functional food area and medical and health science professionals interested in alternative medicines and natural food therapies State-of-the-Art Technologies in Food Science Murlidhar Meghwal, Megh R. Goyal, 2018-08-14 There has been a growing interest in the health benefits derived from fruits and vegetables and the food products based on them Many foods contain various phytochemicals flavonoids fibers macronutrients and micronutrients minerals etc that are good for health and essential for keeping good health This volume provides a global perspective of the current state of food and health research innovation and emerging trends It focuses on topics of food for better health including functional foods and nutraceutical foods The book is divided into several sections covering Foods for Human Health Promotion and Prevention of Diseases which include fruits vegetables and grains their peels and fiber for better human health health prospects of bioactive peptides derived from seed storage proteins mushrooms as a novel source of antihyperlipidemic agents and emerging foodborne illnesses and their prevention Specific Fruits Spices and Dairy Based Functional Foods for Human Health which looks at the functional medicinal values of fenugreek fruits as functional foods and functional fermented dairy products Issues Challenges and Specialty Topics in Food Science which focuses mainly on the

stability issues of whole wheat flour physicochemical properties and quality of food lipids methods for food analysis and quality control and interventions of ohmic heating technology in foods The volume will be of interest to health practitioners food specialists nutrition producers and suppliers practicing food process engineers food technologists researchers food industry professionals and faculty and upper level students in food science Mushrooms of Gujarat Madhvi Joshi, Poonam Bhargava, Meghna Bhatt, Shaad Kadri, Manju Shri, Chaitanya G Joshi, 2022-01-03 This edited book cover over 200 mushrooms with detailed profiles of all the species Each profile includes information on macro morphology molecular characterization application and a color photograph of the same Gujarat mushrooms gives a complete idea of mushrooms found in Gujarat there morphological identification molecular barcoding and documented applications Data presented on mushrooms spans collections of three consecutive years The collected mushrooms were identified morphologically as well as at the molecular level using ITS as a marker 942 specimens covering 316 species were submitted to BOLD Of these the macrofungal diversity covered around 200 species Some of the collected mushrooms were not only edible but were found to have nutraceutical as well as industrial value Although the mushrooms collected are from Gujarat region only they are reported from different areas around the globe Hence the proposed book will be useful not only regionally but across countries as well Mushrooom is a macro fungus with a distinct fruiting body Wild mushrooms have a significant biological and economic impact The texture and pleasant flavor of certain mushrooms make them a delicacy for mankind Mushrooms have a very high medicinal value as well with several reports of anticancer properties of mushroom extracts This book is a useful read for researchers and academicians interested in mushrooms Sydowia, 2006

Journal of Tropical Forest Science ,1999 A Field Guide to the Larger Fungi of FRIM Su See Lee,2017 A Field Guide to the Large Fungi of FRIM provides a guide to the identification of 123 species of the large fungi macrofungi that are to be found in the grounds of the Forest Research Institute Malaysia FRIM An introduction provides a brief Excerpta botanica ,1995 Chinese Forestry Science and Technology ,2004 International Books in Print ,1997 [], Xiaolan Mao,1995 Acta Botanica Fennica ,2004 Porcupine! ,1992 Annales Botanici Fennici ,2004 Index of Fungi ,1994

The Enigmatic Realm of **The Macrofungus Flora Of Chinas Guangdong Province**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **The Macrofungus Flora Of Chinas Guangdong Province** a literary masterpiece penned by way of a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book is core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of people who partake in its reading experience.

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