






Review

# Ethnobotanical Surveys of Plants Used by Quilombola Communities in Brazil: A Scoping Review

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**Abstract:** Quilombola communities play a crucial role in maintaining biodiversity through traditional management models. The use of medicinal plants within these communities reflects a deep reservoir of knowledge, passed down through generations. The objective of this study was to conduct a scoping review to systematically analyze and synthesize the existing literature on the medicinal plants used by Quilombola communities in Brazil, with a focus on their therapeutic applications and cultural significance. The Population, Concept, and Context (PCC) strategy was utilized, where the population refers to the Quilombolas, the concept pertains to medicinal plants, and the context involves illness. A total of 888 studies were initially identified, but only 10 met the inclusion criteria, covering 297 plant species from 80 different families. These plants are employed in a wide range of therapeutic applications, with decoction, alcohol maceration, and infusion being the most common methods of preparation. The study highlights the rich ethnopharmacological knowledge held by Quilombola communities and underscores the need for greater recognition and integration of this traditional knowledge into public health practices. The conclusion emphasizes the importance of preserving and validating the use of medicinal plants by these communities, which could serve as a foundation for future pharmacological discoveries and the development of culturally appropriate health interventions.

**Keywords:** ethnopharmacological knowledge; natural products; therapeutic uses; public health



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## 1. Introduction

Brazil is recognized as the most biodiverse country in the world, containing six biomes that highlight its rich and varied flora [1]. The Ministry of the Environment reports that 46,355 plant species have been documented across the nation [2]. However, Brazil has experienced ongoing environmental degradation, largely due to economic activities that began during the colonial period. This has led to a significant loss of many species, including those with important therapeutic properties [3].

The knowledge of medicinal plant use for therapeutic purposes is deeply rooted in traditional populations, particularly among Quilombola and indigenous communities [4]. Quilombola communities, in particular, play a crucial role in preserving biodiversity through their traditional management practices [5]. Understanding the interactions within these traditional communities is vital for developing public policies that aim to preserve their cultural heritage and support the continuation of their knowledge and practices [6].

For two centuries, Brazil was a major participant in the transatlantic slave trade, standing out for both the large number of enslaved Africans it trafficked and the prolonged

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## **Conduct Ethnobotanical Surveys:**

ETHNOBOTANY Radhe Shyam Napit, 2025-06-01 Ethnomedicinal Plants have always been a fundamental area of tribal man and ethnic people are repository of heap experience and knowledge on indigenous flora Unfortunately this traditional knowledge and wisdom developed over years of observation trial and error is vanishing rapidly due to the assault of modern civilization into ethnic areas The compilations of whole units various plants which find useful in the treatment of various diseases and other subject like Definition Introduction and scope of Ethnobotany Historical review History of Ethnobotany and outline idea of various branches or sub disciplines of Ethnobotany Plants used in various systems of medicine Ethnobotanical Metabolites Ethnobotanical importance Detailed study of the common plants and their parts used in different purpose Some plant s another uses by ethnic people plant used for miscellaneous Practical s Laboratory exercises corresponding to theory courses covering all Units The botanical name has been followed by the common names prevalent in and then is provided information on various aspects of uses The information has been comprehensively consolidated and made available at one place Ethnobotanical studies needs are one of the most treat method to dreaded ailments afflicting to humankind today It is a slow affective with when comes stay permanently improve of the health immune system and human beings for greater health care hazards and clinical complications The modern man looks optimistically towards genetic engineering for final resolution of the ailment but that is still a far Till then every individual suffering from many diseases has to really on the medical aid available for controlling the diseases In the Indian system of medicine there are much variety of plants which have been traditionally used for control and cure of diseases Nevertheless the indigenous knowledge has not been scientifically and properly documented Moreover this information is fragmented and scattered The first step therefore is to collect and collect the available information on plants that have been used since ancient times for cure of many diseases In this compendium on Ethnomedicinal plants in cure of various diseases the author has made a maiden attempt together and compile the information in such a manner that it can serve as a ready reckoner for any further work The present book has been prepared for the students of postgraduate levels Moreover it is also helpful for the students doing research in botany as well as ethnobotany Following information s are being submitting by the author From the inner core of my heart I present deep gratitude and sincere regard to my teacher Super Guru Dr Smt Darshan Thakur retired Principal Govt P G College Narsinghpur M P for her active and encourageous guidance to enlighten me in the path of ethnobotanical work

*Newsletter* , Traditional Resources and Tools for Modern Drug Discovery Anupam Das Talukdar, Jayanta Kumar Patra, Gitishree Das, Deepa Nath, 2024-09-27 This book provides perspectives on the combinatorial approach of plant based compounds for drug discovery to achieve better disease curing outcomes introducing the evolution of ethnobotany and traditional medicine in modern drug development It covers the biotechnological interventions for the identification and screening of compounds and their optimization to enhance affinity selectivity bioavailability and metabolic stability While

overviewing how essential compounds are successfully identified from herbal medicinal plants and utilized in the form of effective drugs which eventually have helped in combating long term diseases in humans the book also provides a better understanding of how infection and the diseases caused are regulated at the molecular and physiological stages The book also highlights the importance of bioactive compounds in modern drug discovery and the perspectives for a potential industrial application The chapters are developed by eminent subject experts with due care and clarity and cover an up to date literature review with relevant illustrations The book would cater to the needs of undergraduate and graduate students researchers and scientists and may attract the attention of pharmaceutical companies industrialists and health policymakers

Ethnobotany and Traditional Knowledge Preservation Aparna Pareek,2025-06-19 The inspiration for Ethnobotany and Traditional Knowledge Preservation arose from a deep recognition of the wisdom embedded in traditional cultures and their enduring relationship with the natural world particularly with plants Across generations and geographies communities have cultivated a profound understanding of the flora around them not merely as resources but as integral elements of their identity spirituality and survival This knowledge carefully passed down through oral traditions rituals and lived experiences is now under threat As modern development climate change and cultural homogenization accelerate the urgency to document protect and revitalize traditional ecological knowledge has never been greater Ethnobotany and Traditional Knowledge Preservation is both a scholarly exploration and a heartfelt tribute to those who continue to live in harmony with their environments guided by inherited wisdom Bringing together interdisciplinary perspectives from ethnobotany anthropology conservation and indigenous studies this volume aims to bridge the gap between scientific inquiry and community experience We delve into diverse examples of plant use from healing and food sovereignty to spiritual and ceremonial practices and spotlight the stewards of this knowledge the elders healers farmers and forest dwellers whose voices are too often marginalized The chapters that follow offer more than academic insight they offer stories of resilience innovation and respect Our hope is that Ethnobotany and Traditional Knowledge Preservation not only informs but inspires a greater appreciation for the value of traditional knowledge in addressing today s ecological and cultural challenges In honoring these ancient practices we also pave the way for a more inclusive and sustainable future We extend our deepest gratitude to the knowledge holders researchers and communities who shared their time trust and teachings May their wisdom continue to flourish and guide generations to come

**Newsletter for Asia, The Pacific and Oceania ,**

**Indigenous Knowledge and Ethics** Darrell Addison Posey,2004 This book presents seventeen of Posey s articles on the topics of ethnoentomology indigenous knowledge and intellectual property rights **PHARMACY LAW AND ETHICS** MR. KONDA V V S KRISHNA,DR. FAISAL IMAM,DR. SAMRITI VOHRA,DR. AMIT CHANDNA,MR. PRAVAT RANJAN GURU,

*Uses and Abuses of Plant-Derived Smoke* Marcello Pennacchio,Lara Jefferson,Kayri Havens,2010-07-15 The Uses and Abuses of Plant Derived Smoke is a global compendium of the ethnobotanical uses for plant derived smoke It provides

information on the medicinal religious recreational and other uses of smoke derived from over 1 400 species of plants

*Beyond Blossoms: Ethnobotany's Insight into the Diversity of Angiosperm Families* Dr. Manoj Kumar Sharma ,Dr. Rashmi Sharma,Dr. Disha Arora,Mr. Siddharth Kanche,2024-04-22 Ethnobotanical research explores the interrelationship between plants and people for their traditional use as well as base of industrial use in present scenario This book fills the appropriate knowledge about traditional as well as industrial use which will be beneficial to those who are involved in relevant research and students doing MSc in botany subject

**Conserving medicinal species : securing a healthy future** ,2006 **Brazil in Advancing Pharmacotherapy and Clinical Pharmacy in Latin America** Wallace Entringer Bottacin,Thaís Teles de Souza,Walleri Christini Torelli Reis,2024-10-03 The Fourth Brazilian Congress of Pharmacotherapy and Clinical Pharmacy showcases Brazil's role within the vibrant and evolving community of pharmacotherapy and clinical pharmacy in Latin America This volume offers a window into Brazil's ongoing contributions as part of a collective Latin American effort presenting a comprehensive collection of scientific investigations and documented clinical experience reports that address important healthcare challenges Containing hundreds of peer reviewed works evaluated through a double blind review process this publication documents ongoing progress in evidence based patient centered pharmaceutical care The compilation adheres to rigorous scientific standards with submissions evaluated for methodological soundness clinical relevance and adherence to ethical guidelines Systematically organized to facilitate knowledge transfer this resource offers understandings into emerging therapeutic protocols pharmacological interventions and clinical decision making frameworks For researchers clinicians and policymakers this publication provides an essential data driven foundation for advancing pharmaceutical practice in the region

**Insect Repellents** Mustapha Debboun,Stephen P. Frances,Daniel Strickman,2006-10-25 Drawing together information previously found only in articles reviews symposia proceedings commercial literature and medical entomology texts *Insect Repellents Principles Methods and Uses* is a one volume source on the development evaluation and use of repellents It provides a thoughtful analysis of old and new information from the

*Traditional Medicine in North East Africa: Research on Traditional Healer Preparations and Herbs* Atul Kaushik, Jeevan Jyoti Kaushik,2025-04-08 *Traditional Medicine in North East Africa Research on Traditional Healer Preparations and Herbs* explores the rich tapestry of traditional healing practices in North East Africa This comprehensive work compiles the profound knowledge of indigenous herbalists and explores the intricate relationship between traditional healing and medicinal plants From combating diseases like cancer and diabetes to managing snakebites and obesity related conditions each chapter offers a detailed examination of plant based remedies Highlighting the contributions of plants like *Moringa oleifera* and *Citrullus colocynthis* this book bridges the gap between ancient wisdom and modern research making it essential for academics researchers and anyone interested in the healing powers of nature Join us on this enlightening journey as we celebrate cultural diversity and uncover the enduring legacy of traditional medicine

**Key Features** In depth studies on

bioactive compounds and therapeutic properties of key African plants Ethnobotanical insights into traditional healer practices Comprehensive reviews linking traditional plant use to modern medical applications *Agrobiodiversity, Community Participation and Landscapes in Agroecology* Tomás Enrique León-Sicard ,Diego Griffon,Massimo De Marchi,2024-08-20 Maintaining and managing agrobiodiversity is a key issue proposed by agroecology not only to maintain high agricultural productivity but also to increase the resilience stability and sustainability of the agroecosystems meant as the functional relationship between the natural assets and the human use of them at farm and farm matrix scale The main hypothesis of this approach is that the greater the interactions between organisms of different trophic levels edaphic organisms multiple crops weed plants herbivores carnivores plants in living fences corridors or forest patches within agroecosystems the greater will be the possibilities of obtaining abundant and varied harvests with fewer external inputs pesticides fertilizers and better environmental performance The agrobiodiversity is meant as the variety and the disposition of the cultivations pastures farms that affect the soil properties and create habitat diversity landscape diversity and connectivity At the level of landscapes or territories the set of biodiverse agroecosystems generate natural matrices that have a powerful impact on the recovery and restoration of forest corridors which in turn positively influence many ecosystem services for nature conservation and free movement and recovery of many populations of animal species including those in danger of extinction **Ethnobotany in the New Europe** Manuel Pardo de Santayana,Andrea Pieroni,Rajindra K. Puri,2010 Interest in environmental anthropology has grown steadily in recent years reflecting national and international concern about the environment and developing research priorities This major new international series is a vehicle for publishing up to date monographs and edited works on particular issues themes places or peoples which focus on the interrelationship between society culture and the environment Relevant areas include human ecology the perception and representation of the environment ethno ecological knowledge the human dimension of biodiversity conservation and the ethnography of environmental problems while the underlying ethos of the series will be anthropological the approach is interdisciplinary *Sustainable Uses and Prospects of Medicinal Plants* Learnmore Kambizi,Callistus Bvenura,2023-05-05 Sustainable Uses and Prospects of Medicinal Plants presents information on less known and underexplored medicinal plant species in various regions of the world The book investigates current advances in medicinal plant science and includes detailed information on the use of green nanotechnology characterization of plants conservation revitalization propagation and pharmacological activities of selected plants A volume in the Exploring Medicinal Plants series it collects information on less known medicinal plant species in various regions of the world for documentation profiling their ethnobotany developments in their phytochemistry and pharmacological activities and provides an in depth look at some specific herbal medicines of importance threatened and less known species and addresses sustainable utilization and conservation of medicinal plants to ensure existence and use Appropriate for plant and biodiversity conservation organisations community

leaders academicians researchers and pharmaceutical industry personnel the book comprises innovative works with information of what is expected to address sustainability in the future      **Ethnobotany and Biocultural Diversities in the Balkans** Andrea Pieroni, Cassandra L. Quave, 2014-11-14 This volume addresses recent and ongoing ethnobotanical studies in the Balkans The book focuses on elaborating the relevance of such studies for future initiatives in this region both in terms of sustainable and peaceful trans regional trans cultural rural development A multi disciplinary viewpoint is utilized with an incorporation of historical ethnographic linguistic biological nutritional and medical perspectives The book is also authored by recognized scholars who in the last decade have extensively researched the Balkan traditional knowledge systems as they pertain to perceptions of the natural world and especially plants Ethnobotany and Biocultural Diversities in the Balkans is the first ethnobotany book on one of the most biologically and culturally diverse regions of the world and is a valuable resource for both scholars and students interested in the field of ethnobotany      *U.S. Development Assistance and Environmentally Sustainable Development* United States. Congress. Senate. Committee on Foreign Relations. Subcommittee on International Economic Policy, Trade, Oceans, and Environment, 1989      **Ethnobotany and Medicinal Plants** Susan A. McCarthy, 1992      *Ethnobotany* José L. Martinez, Alfred Maroyi, Marcelo L. Wagner, 2023-04-03 Ethnobotany Ethnopharmacology to Bioactive Compounds comprises of carefully selected studies focusing on the importance of ethnobotanical data as an effective approach towards the discovery of novel ethnopharmacological properties and bioactive compounds that characterize herbal products pharmaceutical drugs and medicinal plants This book incorporates therapeutic nutritional phytochemistry and pharmacological properties of medicinal plants mechanisms of action and clinical trials of bioactive compounds as well as the molecular basis of the bioactive compounds from the perspective of modern phytochemistry This book will be useful for a diverse group of readers including students botanists pharmacists chemists herbalists and those researchers interested in ethnobotany and ethnopharmacology

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