

Volume 7, Issue 09, 1755-1766.

Review Article

ISSN 2277-7105

# ETHNOBOTANICAL SURVEY OF MEDICINAL PLANTS IN WARANGALRURAL DISTRICT, TELANGANA, INDIA

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Article Received on 21 March 2018, Revised on 10 April 2018, Accepted on 01 May 2018 DOI: 10.20959/wjpr20189-12232

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### ABSTRACT

Collection of medicinal plant is known as ethno botanical survey of medicinal plants. Collection medicinal plants most important for further documentation. Ethno botanical survey was conducted in various, indigenous groups in Warangal rural district of Telangana. The information was collected from herbal practitioners and journals. The present survey provided information about eighty medicinal plants with medicinal properties. The herbal practitioners and rural peoples are helped to identify and collect medicinal plants. In these plants some are used to treat common skin diseases and some are used to treat dangerous diseases like gonorrhea, syphilis, tuberculosis, cancer etc.

KEYWORDS: Medicinal plants, herbal practitioners, ethno botanical survey, diseases.

## INTRODUCTION

Ayurvedic medicines are most important in our life. They cure illness without any side effect. The information given in this paper includes teluguname, scientific name, family, which part used, direction and use. There so many drugs are to treat illness but long term used of this synthetic medicine associated with various adverse effects like tolerance, resiststance, nausea, vomiting drowsiness, dizziness, and abdominal pain.<sup>[1]</sup> Therefore, search for new drugs is essential from natural source. Since the time man first discovered the plant kingdom as a rich and convenient source of his food, he returned to this kingdom repeatedly and found remedies for illness too. As a result, several knowledge-bases of how to treat or prevent illness and diseases using plants were generated.<sup>[2]</sup> Chhattisgarh, the Herbal state in India, is situated in Deccan biogeographical area. The forests of the state fall under two major forest

types, i.e., Tropical Moist Deciduous forest and the Tropical Dry Deciduous forest. The state of Chhattisgarh is endowed with about 22 varied forest sub-types existing in the state. Most of the medicinal valuable species are in the category of on-Nationalized Non-Wood Forest Produces are the one on which the state does not have any monopolistic control. The rich and unique biological diversity comprises of 911 genera and 196 families. The state is significantly rich in endemism with respect to many plants having medicinal importance.<sup>[3, 4]</sup> Many traditional healers and herbalists in the Chhattisgarh region of India have been treating helminthiasis patients for many years using various medicinal plant species.<sup>[5]</sup> So intensive plant survey have been performed to explore plants effective against helminthiasis used by the traditional healers of Chhattisgarh. Since the origin of life on earth man has been in harmony with the nature. The nature provides a lot of Knowledge about plant wealth. Traditionally this information has been passed from generation to generation which has being practiced by the indigenous group of people of different areas. These group of people possess the distinct food habits, culture, which reflects the traditional medicine. Even today, this herbal medicine is in practice to cure variety of diseases. Hence research on these plants is of utmost importance to detect more number of properties about these plants. This herbal medicine has been practicing in rural areas for different diseases. Implication of the knowledge of those indigenous people into practice helped the researchers to develop the present formulation into a better approach with more therapeutic effect. This survey is conducted to make a place for many unrecognized medicinal plants in clinical trials. Many studies have been conducted on these plants in different areas in order to evaluate their properties. About 40 plants were collected which are very useful to treat various diseases caused by helminths. This research led us to work on more plants which play a key role in treating various diseases caused. Further proceedings on these plants may probably reveal many properties that can cure various diseases. These plants are the basics for the traditional Ayurveda system which does not show more side effects.<sup>[6]</sup>

## COLLECTION OF MEDICINAL PLANTS<sup>[6-16]</sup>

The present investigation was conducted using questionnaire in rural areas situated around Narsampet, Warangal Rural, Telangana. The main aim of this study is to collect the oral information about the medicinal plants from the natives who were being practicing from generations together.



Telugu name: Pasupu chamanthi Scientific name: Wedelia chinensis Family: Asteracae Direction: Stem Direction: Decoction Use: Jaundice



Teluguname: Ummetha Scientific name:Datura metal Family: Solanaceae Part used: Leaves Direction: Juice Use: Skin diseases



Teluguname: Dondaku Scientific name: Coccinia grandis Family: Cucurbitacee Part used: Leaves Direction: Juice Use: Ear pain



Teluguname: Udugu chettu Scientific name: Alangium solvifolium Family: Alangiaceae Part used: Root bark Direction: Powder Use: Snakebite



Teluguname: Indravalli Scientific name: Cardiospermum helicacabum Part used: Root Direction: Decoction Use: Piles



Telugu name: Kakara Scientific name:Momordicacharantia Family: Cucurbitaceae Part used: Leaves Direction: Juice Use: Jaundice



Teluguname: Vepa Scientific name:*Azadirachta indica* Family: Meliaceae Part used: Leaves Direction: Juice Use: Skin diseases



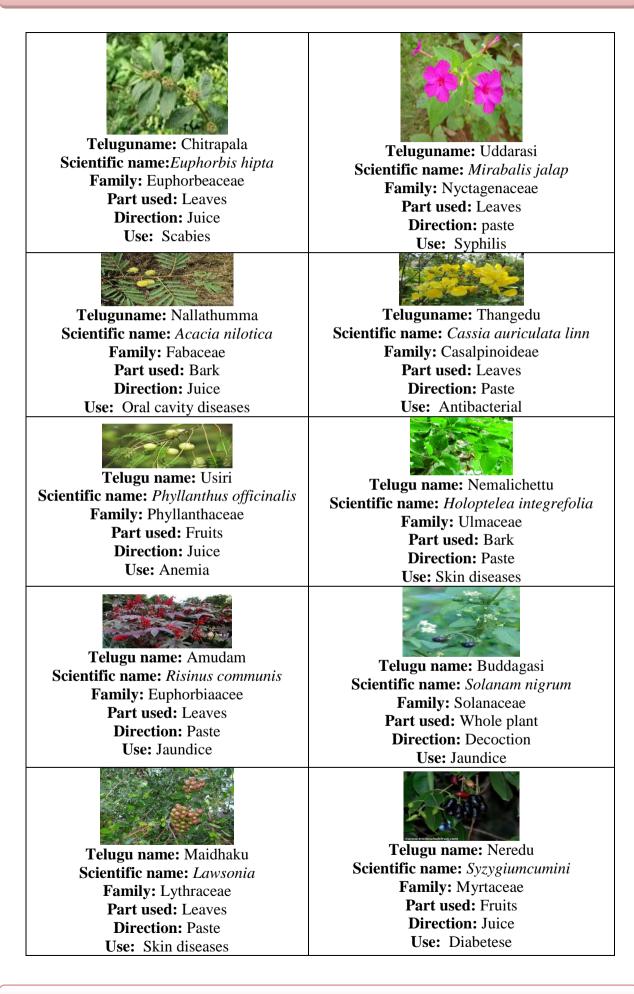
Teluguname: Avalu Scientific name: Brassica juncea Family: Cruciferaceae Part used: Seeds Direction: Seed oil Use: Body pains



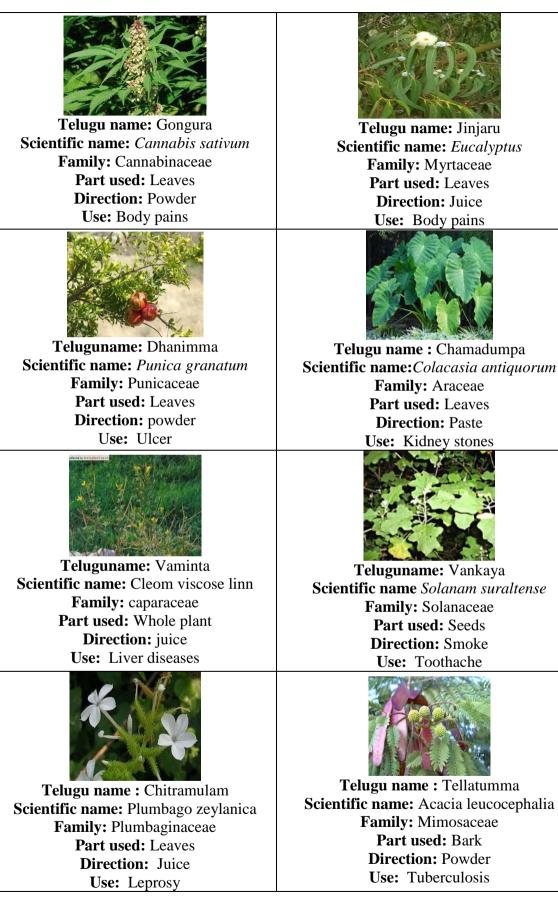
Telugu name: Atti pathi Scientific name: *Mimosa pudica* Family: Fabaceae Part used: Whole plant Direction: Paste Use: Snakebite



Teluguname: Barrenka Scientific name: Streblus asper Family: Moraceae Part used: Stem Direction: Stem latex Use: Toothache

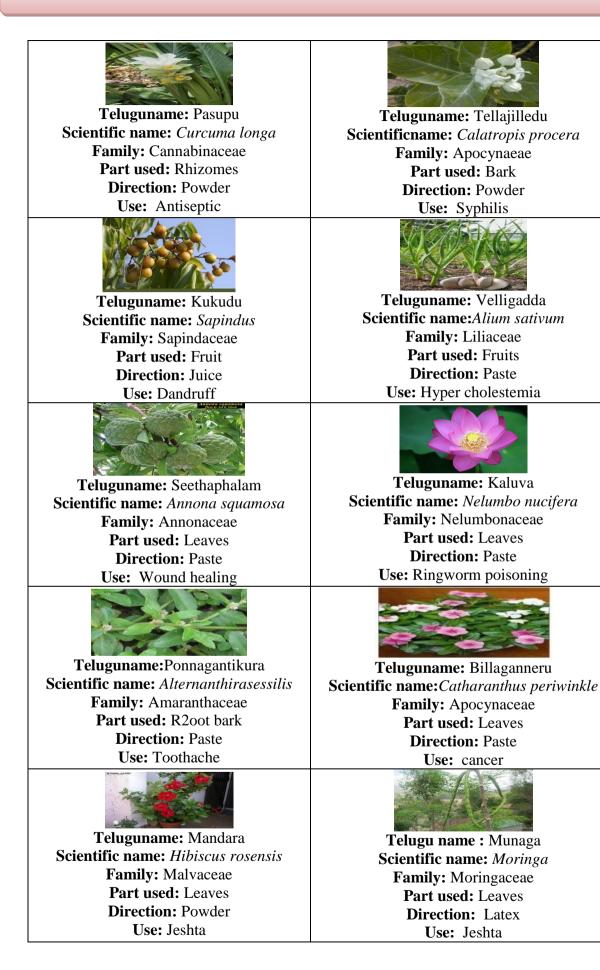


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Telugu name : Tellatumma Scientific name: Acacia leucocephalia Family: Mimosaceae Part used: Bark **Direction:** Powder **Use:** Tuberculosis





Teluguname: Ranapala Scientific name: Bryophyllum Family: Crassulaceae Part used: Leaves Direction: Juice Use: Breast tumor



Telugu name: Jama Scientific name: *Psidium guava* Family: Myrtaceae Part used: Leaves Direction: Paste Use: Mouth freshener



Teluguname: Chintha Scientificname: Tamarindus indica linn Family: Casalpinoidee Part used: Fruits Direction: Juice Use: Constipation



Telugu name : Mirapa Scientific name: Capsicum annam Family: Solaceae Part used: Fruits Direction:Powder Use: Diabetes



Telugu name: Teku Scientific name: Tenctona grandis Family: Lamiaceae Part used: Bark Direction: Juice Use: Dysmenorrhea



Teluguname: Naga jemudu Scientific name: Opuntia dilleni Part used: Stem bark Direction: Paste Use: Snake bite



Teluguname: Podapatri Scientific name:Gymnema sylvestre Family: Asclepidaceae Part used: Leaves Direction: Powder Use: Diabetes



Teluguname: Vempali Scientific name: *Tephrosia purpurea* Family: Fabaceae Part used: Leaves Direction: Juice Use: Scabies



Telugu name : Boppayi Scientific name:*Caria papaya* Family: Cariaceae Part used: Latex Direction: Latex Use: Skin diseases



Telugu name : Vavili Scientific name: Vitex nigundo Family: Verbenaceae Part used: Leaves Direction: Juice Use: Epilepsy



Telugu name : Bala Scientific name:Sidaretusa linnborsum Family: Malvaceae Part used: Leaves Direction: Juice Use: Fever

> Telugu name : Guntaguruja Scientific name:Eclipta alba Family: Compositae

Part used: Leaves Direction: Leaves Use: Beriber



Telugu name : Adavinabhi Scientific name: *Gloriosa superba* Family: Asclepidaceae Part used: Root Direction: Juice Use: Body pains



Telugu name : Adaviamudam Scientific name: Jatropha gossypifolia Family: Euphorbiaceae Part used: Roots Direction Paste Use: Jaundice



Telugu name : Nelamulakaya Scientific name: Solanum xanthocarpum Family: Solanaceae Part used: Seeds Direction: Smoke Use: Toothache



Telugu name : Gaddichamanthi Scientific name:*Tridox procambence* Family: Asteraceae Part used: Leaves Direction: Juice Use: Wound healing



Telugu name: Thulasi Scientific name: Ocimum sanctum Family: Lamiaceae Part used: Leaves Direction: Juice Use: Cough

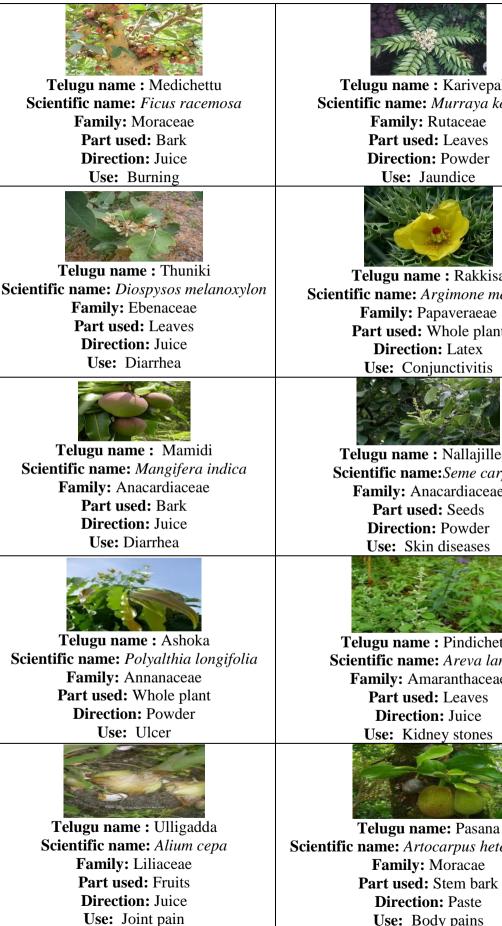


Telugname: Kalabanda Scientific name: Alovera indicum linn Family: Liliaceae Part used: Leaves Direction: latex Use: Constipation



Use: Diabetes

Use: Toothache





Telugu name : Karivepaku Scientific name: Murraya koenigi Family: Rutaceae Part used: Leaves **Direction:** Powder



Telugu name : Rakkisa Scientific name: Argimone mexicana Family: Papaveraeae Part used: Whole plant **Direction:** Latex Use: Conjunctivitis



Telugu name : Nallajilledu Scientific name:Seme carpus Family: Anacardiaceae Part used: Seeds **Direction:** Powder Use: Skin diseases



Telugu name : Pindichettu Scientific name: Areva lanata Family: Amaranthaceae Part used: Leaves **Direction:** Juice **Use:** Kidney stones



Scientific name: Artocarpus heterophyllus Family: Moracae Part used: Stem bark **Direction:** Paste Use: Body pains

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Telugu name :Nelausiri Scientific name: Phyllanthus nurini Family: Phyllanthaceae Part used: Whole plant Direction: Juice	<b>Telugu name :</b> Mullathotakura <b>Scientific name:</b> <i>Amaranthus spinosus</i> <b>Family:</b> Amaranthaceae <b>Part used:</b> Leaves <b>Direction:</b> Paste
Use: Jaundice	Use: Snakebite
<b>Telugu name :</b> Modhugu <b>Scientific name:</b> Butea monosperma	<b>Telugu name :</b> Kanuga <b>Scientific name:</b> <i>Ponnamia pinnata</i>
Family: Fabaceae	Family: Leguminaceae
Part used: Leaves	Part used: Leaves
<b>Direction:</b> Juice	Direction: Juice
Use: Skin diseases	Use: Skin diseases

#### CONCLUSION

Based on the above information all the above medicinal plants are traditionally used medicinal plants. We had collected eighty traditionally used medicinal plants in Warangal district. This survey tried to make everybody being known about natural medicines and uses, as well as documentation of medicinal plants.

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