



# MEDICINAL AND HERBAL PLANTS OF TARANGAR WITH THEIR REMEDIAL APPROACHES IN SEVERAL DISEASES

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**Abstract:** For many years, medications have been made from plants for the benefit of human life. We can find all of these remedies in our ancient texts, such as the Ramayana and Atharva Veda. The primary goal of this text is to gather data from research areas (Taranagar, Churu) that include medicinal plants that are used to treat common ailments like kidney stones, piles, jaundice, fever, etc.

**Keyword** – Taranagar, Medicine Plants, Ayurveda.

**Introduction:** India has always been among the richest nations in the world in terms of plant wealth. This is mostly due to the diversity of topographic, edaphic, environmental, and geographical elements present in this area. India is home to over 45,000 economically significant plant species, of which roughly 8,000 have therapeutic value and have been utilized for ages to cure a variety of illnesses. Similar to India, Rajasthan exhibits diversity; nonetheless, the predominant vegetation type in this region is xerophytic. Numerous plants, including *Dhamasa* (*Fagonia indica*), *Gokhru* (*Pedalium murex*), *Khejri* (*Prosopis cineraria*), *Nili Kantili* (*Solanium surattense*), and others, are used to treat a variety of illnesses, including kidney stones, ringworm, piles, hernias, and urinary tract infections.

**Review of literature:**

1. Yesmin et al.2008 studied the Antioxidant and antibacterial activities of *Calotropis procera*
2. Meena et al.2011 have been studied the medicinal value and pharmalogical properties of *Calotropis procera*
3. Kumar, S. et al. 2010 study on medicinal use of *Euphorbia hirta* .
4. Rajashekar,V. , 2012 studied the Antioxidant and Antimicrobial activities of *Pedaliium murex*.
5. Ali, K. ,et al. 2021 his work on *Fagonia indica* . it has antidiabetic , antipyretic ,antiinflammatory and antioxidant properties.
6. Tekuri, S. K. et al 2019 studied the *Solanum surattense*. It has antipiles , anti-anaphylactic properties.

**Study Area:** This study area is currently Situated approximately 50 km north of the district headquarters in the Churu district of Rajasthan, Taranagar is located at 28.68'N latitude and 75.03'E longitude. This area is home to numerous xerophytic plant species, many of which have therapeutic qualities. The locals here utilize this to treat a variety of illnesses.

**Aim Of the Study –**

- To identify the plant diversity that are present in the study area.
- To amplify public awareness of therapeutic herbs.
- To ascertain the current state of the medicinal plants present in the research area.

**Methodology** -The current study region is in the Taranagar Churu district. During the study, a variety of approaches were employed to acquire data from participants, including direct interviews, assistance from several ayurveda retailers, and numerous text and research papers.

**Result:-** Several Xerophytic plant species with medicinal qualities were discovered during the investigation and are used to treat a variety of ailments in this area.



*Echinops echinatus*



*Withania somnifera*



*Boerhavia diffusa*



*Argemone mexicana*



*Fagonia indica*



*Calotropis procera*



*Euphorbia hirta*



*Pedalium murex*



*Cassia fistula*

The following list of therapeutic plants was discovered during the study:

Botanical Name	Family	Local Name	Useful Part	Usage
<i>Abutilon indicum</i>	Malvaceae	Kanghi	Whole Plant	Flower powder- Cough , Seed- Cooling drink, leaf- ulcer , root use as nerve tonic
<i>Achyranthus aspera</i>	Amaranthaceae	Ultakanta	Whole plant	Skin disease , cures spleen enlargement leaf – Asthma , stomach disorder
<i>Acacia nilotica</i>	Mimosaceae	Babul	Gum , leaf	Gum use in sweet , leaf use treatment of brochitis
<i>Arnebia hispidissima</i>	Boraginaceae	Rambui	Root	Formation of Red dye and Hair oil colour
<i>Amaranthus spinosus</i>	Amaranthaceae	Jungali chaulayi	Whole plant	Leaf- use in burn &inflammation, Root- Wound , scorpion bite , uterine disorder
<i>Aerva persica</i>	Amaranthaceae	Bui	Whole plant	Diuretic, & Demulcent properties
<i>Aloe barbadensis</i>	Liliaceae	Gwarpatha	Leaf pulp and juice	Use for skin and hair problem
<i>Argemone maxicana</i>	Papaveraceae	Satyanasi	Whole plant	Root-Skin disease, seed paste- Pyrorrhea, plant juice- eye infection & jaundice

<i>Azadirachta indica</i>	<b>Meliaceae</b>	Neem	Whole plant	Use in skin problem , piles , Toothbrush
<i>Boerhavia diffusa</i>	<b>Nyctaginaceae</b>	Sata, Punarnava	Whole plant	It is diuretic laxative ,blood purifier, Root- Stomach disorder and Jaundice
<i>Calligonum polygonoides</i>	<b>Polygonaceae</b>	Phog	Whole plant	Use as cooling agent , juice – treatment for remove of calotropis poison
<i>Calotropis procera</i>	<b>Asclepidaceae</b>	Aak	Root , leaf	Root- Scorpion and snake bite, Leaf- useful for Swelling and wound
<i>Corchorus depressus</i>	<b>Tiliaceae</b>	Baphulli / Gujaroti	Leaf , Fruit	Leaf- use in Dysentery, Fruit- use in Diarrhoea
<i>Capparis decidua</i>	<b>Capparaceae</b>	Kair	Fruit , Stem	Fruit use as food ,stem juice- Ring worm
<i>Cassia fistula</i>	<b>Caesalpiniaceae</b>	Amaltas	Whole plant	Bark- use in skin problem,leaf- Facial paralysis, Ringworm
<i>Cucumis callosus</i>	<b>Cucurbitaceae</b>	Kachri	Whole plant	Use as cooling agent , and Bilious disorder
<i>Citrullus colocynthus</i>	<b>Cucurbitaceae</b>	Tumba	Fruit	Antipyretic and Gaseous problem
<i>Crotalaria burhia</i>	<b>Fabaceae</b>	Shinia	Whole plant	Paste of plant useful for Rheumatic swelling, Root – Diuretic
<i>Cleome Viscosa</i>	<b>Capparaceae</b>	Bagro , Kutabakra	Whole plant	Leaf- use for fever, Seed-

				Diarrhoea, kidney & Liver disorder,
<i>Datura metal</i>	<b>Solanaceae</b>	Dhatura	Whole plant	Leaf- Asthma, cough, Seed- Leucoderma, ulcer, leprosy
<i>Euphorbia hirta</i>	<b>Euphorbiaceae</b>	Lal- Dudhi	Whole plant	Useful for Asthma, cough, Bronchial, Diarrhoea and Gonorrhoea
<i>Echinops echinatus</i>	<b>Asteraceae</b>	Untkantila	Whole plant	Root- Cold, cough, seed- act as cooling agent
<i>Fagonia indica</i>	<b>Zygophyllaceae</b>	Dhamasa	Whole plant	Useful for Small pox, cough, urinary disorder
<i>Maytenus emarginata</i>	<b>Celastraceae</b>	Kankera	Leaf, Fruit	Leaf-use in juice form treatment for Jaundice liver disorder, Fruits -Ulcer, Piles
<i>Mollugo cerviana</i>	<b>Molluginaceae</b>	Chiridhaniania/. Parpat	Whole plant	Use in Fever, as blood purifier, Seed- as cooling agent
<i>Pedaliium murex</i>	<b>Pedaliaceae</b>	Bara gokharu	Whole plant	Diuretic, treat urinary disease, leaf-use in ulcers, Fruit- Spermatorrhea, Impotency
<i>Phyllanthus fraternus</i>	<b>Euphorbiaceae</b>	Gogajanti/Bhuia mal	Whole plant	Diuretic, Antiseptic, and use in Stomach problem
<i>Portulaca oleracea</i>	<b>Portulacaceae</b>	Luni /Kulfo	Whole plant	Use in leaver, Kidney, Spleen treatment

<i>Prosopis cineraria</i>	<b>Mimosaceae</b>	Khejari	Whole plant	Flower add with sugar prevent abortion, Bark- Rheumatism , Scorpion bite, Leaf- use as food for cattle, Fruit- for vegetable
<i>Salvadora persica</i>	<b>Salvadoraceae</b>	Kharajal	Whole plant	Root-Gonorrhoea Young branch – as toothbrush, Seed diuretic
<i>Salvadora oleoides</i>	<b>Salvadoraceae</b>	Mithajal	Whole plant	Fruit- use for eat, leaf- cough, Seed- Rheumatism
<i>Sida cordifolia</i>	<b>Malvaceae</b>	Kanghi/ Baala	Whole plant	Have rheumatism ,neurological properties, Root powder- use in urinary and nervous disease
<i>Solanum surattense</i>	<b>Solanaceae</b>	Ringhani/ Nili-kantili	Whole plant	Use in stomach problem , dropsy,liver and spleen treatment, Root- Asthma , cough, chest pain
<i>Tephrosia purpurea</i>	<b>Fabaceae</b>	Surphonka	Whole plant	Use in respiratory, piles, skin disorder

<i>Tribulus terrestris</i>	<b>Zygophyllaceae</b>	Bhankhari / Chhota gokhru	Whole plant	Leaf paste- use in treatment of bladder stone, Root – Diuretic , anti-inflammatory , Fruit- use in kidney disorder
<i>Tecomell undulata</i>	<b>Bignoniaceae</b>	Rohira	Bark	Bark use treatment Syphills
<i>Withania somnifera</i>	<b>Solanaceae</b>	Ashwagandha	Root, Seed, Leaf	Root- Germicidal, Digestive disorder, Tuberculosis ,Leaves- useful for skin problem, Seed- urinary problem
<i>Ziziphus nummularia</i>	<b>Rhamnaceae</b>	Bordi	Leaf, Fruit	Leaf- use in cold , cough , Fruit – eat

**Conclusion:** - Based on the current investigation, it was discovered that 38 different plant species possess therapeutic qualities. It also plays a major role in preserving the ecosystem's, equilibrium in the desert.

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