

# MEDICINAL USES OF COMMON WEED PLANTS FROM BAREILLY COLLEGE, BAREILLY CAMPUS, UTTAR PRADESH, INDIA

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#### Abstract

Bareilly district is very rich in biodiversity with very common vegetation like ornamental, timber yielding, medicinal, roads sides and weed plants, as its situation on foot hills of Uttrakhand Himalayan region favors the plants growth. Bareilly College, Bareilly, the crown of Bareilly city looks evergreen due to the dominant vegetation. Entire year, a rich flora of weed plants are also available for attention, therefore present study carried out for assessment of weed plants and their medicinal uses with common names in last months of year 2017. On the basis of regular survey of campus, a check list of weed plants medicinal uses has been reported. As far as possible the important samples of the weed plants and their specimens were collected from their natural habitat. Every plant specimen has been pressed and processed for herbarium preparation and identified at the Department of Botany, Bareilly College with the help of authentic literature. The medicinal uses of reported weed plants mentioned after long searched of research reviews. As the result of present work sixty one weed plant species of twenty two families with their medicinal value have been studied for record their range of distribution.

Key words: Biodiversity, Medicinal uses, Weed plants, Weeds, Flora.

## Introduction

India covers an ancient history of the utilization of plants in its traditional way of living from 5000 years back. It has been reported that over 8000 plants are used in folk and herbal medicine. Plants parts of different plants are used in several remedies. Our country is full of this natural wealth from Himalayan region to Kanyakumari due to its pleasant climatic conditions. A very rich diversity of plants is available in every district of every state with their medicinal value.

Bareilly is the 7<sup>th</sup> largest metropolitan city of Uttar Pradesh and 50<sup>th</sup> big city of India. It is lying between 78.23' longitude in east and 28.10' latitude north. Being a tarai region the climate of the district is very pleasant. Bareilly College, Bareilly, the crown of Bareilly city looks evergreen due the dominant vegetation. Entire year, a rich flora of weed plants are also available for attention, therefore present study carried out for assessment of weed plants and their medicinal uses with common names in last months of year 2017 (Fig. 1).

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#### **Material and Methods**

Regular surveys have been conducted of the Bareilly college campus during this study in the last months of 2017. All the data of this communication is personnel observation of continuously exercise. All the important samples of weed plants specimens were collected from their natural habitat. Every plant specimen has been pressed and processed for herbarium preparation and



Fig. 1: Map of Bareilly College, Bareilly, U.P. India.

61 plant species under 50 genera and 23 families from

College Campus with their wide range of medicinal uses.

The list of plant species has been prepared with, common

names, family, habit and uses (Table 1). The reported weed plants from Bareilly College, campus of family

Rubiaceae are used against asthma, pneumonia, Snake

bite and in promoting of blood circulation. Occurred

identified at the Department of Botany, Bareilly College with the help of authentic literature. The medicinal uses of reported weed plants mentioned after long searched of research reviews.

# **Results and Discussion**

This study of weed plants shows the occurrence of

 Table 1: List of weed plants and their medicinal uses reported from Bareilly College, campus.

S. No.	Common Name	Botanical Name	Family	Habit	Medicinal Uses
1	Pili buti	Lindenbergia philippensis	Orobanchaceae	Herb	In cuts, wound Healing etc.
2	Snake needle-grass	Hedyotis diffusa	Rubiaceae	Herb	In heat clearing, detoxification, promoting blood circulation etc.
3	Doob ghas	Cynodon dactylon	Poaceae	Herb	In inflammation, toothache etc.
4	Tortoise shell bamboo	Phyllostachys edulis	Poaceae	Herb	In hot phlegm etc.
5	Bird's eye	Veronica polita	Plantaginaceae	Herb	In dysmenorrhoea, metrorrhagia etc.
6	Hairy bitter cress	Cardamine hirsuta	Brassicaceae	Herb	In dysentery, eye trouble etc.
7	Alyce clover	Alysicarpus vaginalis	Fabaceae	Herb	In bronchitis, pneumonia, typhoid, cancer, weak eye sight, joint pain, bone fracture etc.
8	Karinga	Taraxacum mongolicum	Asteraceae	Herb	In abscesses, eye inflammation, dieresis etc.
9	Lily turf	Ophiopogon bodinieri	Asparagaceae	Herb	Constipation, cough etc.
10	Garundi	Alternanthera sessilis	Amaranthaceae	Herb	Anti-fungal, anti-cancer, anti-diabetic, anti microbial etc.
11	Khaki weed	Alternanthera pungens	Amaranthaceae	Herb	Anti-microbial, anti-oxidant activity etc.
12	Bhang	Cannabis sativa	Cannabaceae	Herb	Intoxicant, analgesic, narcotic, antispasmodic, sedative etc.
13	Gajar ghas	Parthenium hysterophorus	Asteraceae	Herb	Anti-tumor etc.
14	Baraira	Sida acuta	Malvaceae	Herb	Anti-fungal, Anti-bacterial etc.
15	Amrul	Oxalis corniculata	Oxalidaceae	Herb	Anti-epileptic, Cordio-protective etc.
16	Makoi	Solanum nigrum	Solanaceae	Herb	In dropsy, nausea, nervous disorder, bronchitis etc.
17	Crowfoot grass	Dactyloctenium aegyptium	Poaceae	Herb	Anti-oxidant, anti-inflamatory, anti-cancer, also in smallpox, ulcer etc.
18	Palak ghas	Amaranthes viridis	Amaranthaceae	Herb	Antibacterial activity etc.
19	Lal makoi	Solanum lyratum	Solanaceae	Herb	Regulate immune function etc.
20	Lahsan ghas	Medicago sativa	Fabaceae	Herb	Strengthen immunity etc.
21	Horse weed	Conyza bonariensis	Asteraceae	Herb	In constipation, diarrhea etc.
22	Coat buttons	Tridax procumbens	Asteraceae	Herb	Anti-diabetic, anti-microbial, wound healing etc.
23	Kharenti	Malvastrum coromandelianum	Malvaceae	Herb	Anti-inflammatory, analgesic, anti-dysentric etc.
24	Motha	Cyperus rotundus	Cyperaceae	Herb	Neuroprotective, hepatoprotective etc.
25	Dudhi	Euphorbia hirta	Euphorbiaceae	Herb	Sedative, anti-epileptic, analgesic etc

Table 1 Continue ...

Table 1 Continue ...

27     Bhrang raj     Eclipta prostrata     Asteraceae     Herb     Asthma, Jan       28     Sow thistle     Sonchus oleraceus     Asteraceae     Herb     Bronchitis, p       20     Kunduru     Coccinia grandis     Cucurbitaceae     Climbar     Hypoglyce	cancerous etc. undice,Bronchitis etc
28         Sow thistle         Sonchus oleraceus         Asteraceae         Herb         Bronchitis, p           20         Kunduru         Coccinia grandis         Cucurbitaceae         Climber         Hypoglyce	
1 W Kunduru ('occinia arandig ('ucurbitocooo ('umber)	ertussis, opthalmia etc
29 Kunduru <i>Coccinia grandis</i> Cucurbitaceae Climber anti-	emic, anti-malarial,
	cancerous etc.
Abortion,	various intestinal
30 Sahadevi <i>Vernonia cinerea</i> Asteraceae Herb dis	sorders etc.
Anti-art	hritic, analgesic,
31 Kanghi ghas Abutilon indicum Malvaceae Herb anti-canc	er, wound healing
	e, influenza, HIV etc.
	nflammation etc.
1 3/1 ('hirchita   <i>Achivanthas asnava</i>   Amaranthaceaa   Herb	piles, snake bite,
	rabies etc
135 [ ('ucurbita moschata ] ('ucurbitaceae ] ('limber ]	dant,Prevent Skin
Pumpkin disease,	anti-cancer etc.
136 Chick weed Stellaria modia Carvonhyllaceae Herb	ti-rheumatic,
anti-in	flammatory etc.
1 37 I Hajarmani I <i>Phyllanthus urinaria</i> I Phyllanthaceae I Herb I	damage, Hepatitis,
ja ja	undice etc.
	ound, Pneumonia,
	ological disorder,
	prosy, etc.
	cture, ring warm,
	e, menstrual problem,
	ulosis, leprosy
	sugar regulation, abdominal bloating,
	tion, diarrhea etc.
	ry, menstruation
A Iningeri I <i>Flousing Indica</i> Poecese I Herb I	fluenza, hypertension
	paralysis, epilepsy,
Arondi Riccinius communis Elliphorphiocogo Shrub	i-cancer etc
Pneur	nonia, asthma,
1/1/1 Kuppu   <i>Acalupha indica</i>   Huphorphaceae   Herb	sm, bronchitis etc.
	nake venom etc.
Lepros	sy, epilepsy and
45 Neel Anagallis arvensis Primulaceae Herb cerebra	al affections etc.
Diabetes	, flu, anti-oxidant,
46Coral vineAntigonon leptopusPolygonaceaeClimberdermatolo	gical problems etc.
47 Blanket grass Axonopus comprasus Poaceae Herb Vermiu	ge, show highest
47Blanket grassAxonopus comprasusPoaceaeHerbantioxid	lant activity etc.
I AN I Punarnava I Roarhaguig dttusg I Nyetaginaceaa I Herh I	anti- viral, jaundice,
nepato	protective etc.
I AU L Panwar L Cassia tora L Fabaceae L Shrub L	ease, constipation,
hepatiti	s, ringworm etc.
150 Finger grass ( (bloris barbata ) Poaceae   Herb	crobial,analgesic,
anti-in	flammatory etc.
	obial, insecticidal,
	ing, hepatoprotective,
Immune	e-modulating etc.

Table 1 Continue ...

52	Van Tulsi	Croton bonplandianum	Euphorbiaceae	Herb	Antidote, chicken pox, cholera,
52					antiseptic etc.
	Daman pappar	Oldenlandia corymbosa	Rubiaceae	Herb	Appendicitis, hepatitis,
53					pneumonia, snake bite,
					urinary infection etc.
54	Paper bhed	Oldenlandia herbacea	Rubiaceae	Herb	Rheumatic fever, asthma etc.
55	Amrul	Oxalis corniculata	Oxalidaceae	Herb	Anti-cancerous, cardiorelaxan etc.
56	Safed Ak	Calotropis gigantea	Apocynaceae	Shrub	Pregnancy interceptive properties,
					analgesic, anti-oxidant etc.
	Bathua	Chenopodium album	Amaranthaceae	Herb	Blood purifier, Sedative,
57					Hepatoprotective, anti ulcer,
					diuretic etc.
58	Christ Plant	Euphorbia milii	Euphorbiaceae	Under	Anti-cancerous, anti warts etc.
50				shrub	
59	Ram Tulsi	Ocimum basillicum	Lamiaceae	Herb	Anti-viral, anti-bacterial,
59	Kalli Tulsi	Ocimum basilileum	Laimaceae		Pneuroprotective etc.
	Tulsi	Ocimum sanctum	Lamiaceae	Herb	Common cold, headache,
					cough, flu, Fever, bronchitis,
60					antidote for snake bite and
					scorpion sting etc.
61	Rose cascade	Calliandra haematocephala	Fabaceae	Under	Immune modulating,
01				Tree	anti-ulcer etc.

Table 1 Continue ...

members of family fabaceae are very useful in case of typhoid, weak eye sight, joint pain and bone fracture etc. According to reviewed literature, the very risky diseases and other dangerous problems as leprosy, piles, dengue, rabies, HIV, diabetes, cancer and snake bite can be cured by the use of reported members of family amaranthaceae. Plants of family oxalidaceae and solanaceae of this study may use as cardio-protective and in regulating the immune functions, nervous disorder. The members of economically important family poaceae can totally cure the blood sugar, hypertension and menstruation problems. Disorders like weak immunity, skin problems, jaundice, hypoglycemia, liver damage, hepatitis can be control by the use of plants of families fabaceae, asteraceae, cucurbitaceae and phyllanthaceae. By the use mentioned plants of family euphorbiaceae in the list, problems like sciatica, paralysis, epilepsy can be cured. Weed members of family nyctaginaceae and lamiaceae in this study are very strong anti-viral and neuro-protective. All the reported weed plants show very important medicinal uses.

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