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Useful Medicinal and Aromatic Plants of Pithoragarh

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ABSTRACT: The Kumaon Hills of Uttaranchal, India are very rich in medicinal and aromatic plants, hence a detailed survey is being conducted to assess their availability, for bioactive constituents and commercial uses. In this paper a preliminary list of medicinal and aromatic plants found in Pithoragarh.

INTRODUCTION: The topography of Kumaon Hills possesses a great diversity in its natural vegetation¹⁻². A large number of medicinal plants are used in folk which possess antiviral, antifungal, anticancer, antibacterial, antihelmintic, antimalerial, anti-inflammatory, febrifuge, spermicidal, and various other properties³⁻⁷. Kumaon Hills have been considered a veritabale emporium of useful medicinal plants since immermorial. ^{1-2, 8-9}

Pithoragarh, an important hill Dist. of Uttranchal, India situated at about 29.80-30.30 "latitude and 80.0 to 81.1° longitude spread between Saryu river and Kali river. North part is most glacial region. Total of District is hilly. In the North and East part of the Dist. are Tibbet and Nepal international boarder. North-East part bound with Munsyari and Dharchula region covered with glacial zone.

RECORD OF SURVEY

A good number of plants growing in the Pithoragarhare extensively used by pharmaceutical industries and indigenous systems of medicines,^{5,6,12} while the remaining are locally used as folk in medicinal preparations, which require extensive research work to confirm their remedial virtues.

The medicinal and aromatic plants growing in Pithoragarhregion are being listed in the following table giving their scientific and local names, habit, parts used and their therapeutic action and uses as suggested by various scientist.^{5,6,9-11}

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Table

Sl.	Botanical Name with	Vernacular	Habit	Parts	Therapeutic
	Family	Name		Used	Action and
					Uses
	1	2	3	4	5
1.	AcoruscalamusLinn.	Buch	PH	Rt.,	Used in
	(Araceae)			Rh	dyspepsia,
	,				fever, snake-
					bite,
					insecticide,
					stomachic,
					emetic, nerve
					tonic.
2.	Adiantumvemustum	Hansraj	PH	P1	Astringent,
	(Polypodiaceae)				diuretic,
	, ,,				degestive,
					tonic,
					expectorant,
					emetic etc.
3.	AchyranthesasperaLinn	Apamarg	AH	Rt.,	Used in
	(Amaranthaceae)			S., P1	hydrophobia, in
					piles, dropsy,
					snake-bite,
					purgative,
					pungent,
					diuretic.
4.	Asparagus recemosusLinn.	Satavar	P. Sh	Rt.	Refrigerant,
	(Liliaceae)				laxative,
	,				diuretic,
					demulcent,

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	eved from: https://ijeponime.org/inc	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			antispasmodic.
5.	BacopamonnieriLinn. (Scrophulariaceae)	Brahmi	РН	P1, St, Ls.	Nerve tonic, memory development, epilepsy, asthama, seminal weakness, insanity, diuretic.
6.	CinnamomumtamalaNees (Lauraceae)	Tajpat	Т	Bk, Ls	Used in rheumatism, colic, diarrhoea, carminative, in scorpion-sting.
7.	Cannabis sativa Linn (Cannabinaceae)	Bhang.	АН	Fls.	Antispasmodic, stomachic, analgesic, narcotic, sedative, used as tonic.
8.	Curuligoorchoides (Amaryllidaceae)	Kali musali	PH, Cl	Rh.	Used in diarrhoea, asthma, diuretic, gonorrhoea, demulcent, piles, aphrodisiac, as

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					tonic.
9.	DaturastramoneuimLinn (Solanaceae)	Dhatura	P. SH.	Ls., S., Fls.	Narcotic, sedative, antispasmodic, intoxicating, stomachic, anodyne.
10.	Dioscoreadeltoideawall (Dioscoreaceae)	Kins, Kildri	P. Sh.	Rh	Used in rheumatism, garbhnirodhi, gathiyavat, used to kill lice, fish poison.
11.	Eulophiacompestriswall (Orchidaceae)	Salam mishri	РН	Rh, Rt.	Stomachic, cough, heart trouble, as tonic, stimulant.
12.	Eclpta alba Hassak (Compositae)	Bhriangaraja	АН,	Pl	Leaves used in scorpion-sting, plant used in spleen enlargements, emetic, tonic, root externally as antiseptic to ulcers and wounds in cattles.
13.	hedychiumspicatumHam	KapurKachari	PH.	Rt.	Carminative,

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Net in	(Zingiberaceae)				stimulant, tonic, stomachic, expectorant, liver trouble, emmenagogue,
14.	Ipomoea headeracea(Jacq)	Kala dana	Sh.	S	degestive. Purgative,
	(Convolvulaceae)				emmenagogue, substitute for jalap, blood purifier, hepatic, stimulant, in rhemutism and paralytic affections.
15.	Microstyliswallichi (Orchidacea)	Jivak	AH	Rt	Digetive, used in chyavanparash, as tonic, Astvarg, paustic, stimulant.
16.	MyricanagiThumb (Myricaeae)	Kaiphal	Т	Pl	Astringent, carminnative, antiseptic, useful in fever, asthama, cough, blood purifirer, used

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Ketri	eved from: https://ijeponline.org/ind	dex.php/journal/arti			in throat swelling, useful in pregnancy period.
17.	Origamumvulgare (Labiatae)	Ban tulsi	АН	Pl	Menstrural disorders, ear pain, teeth pain, cough, fever, dycentry.
18.	ParmeliaSp. (Parmeliaceae)	Jhula	Liken.	Pl	Blood purifier, laxative, carminative, used as havansamagri, as masala.
19.	Solamumxanthocarpum (Solanacae)	Kanthkari	P. Sh.	Rt., Pl, Ls.	Diuretic, in dropsy, rheumatism, expectorant, catarrhal, gonorrhoea, cough, fever, analgesic.
20.	Salvia lanataRoxb. (Labiatae)	Ganiya	РН.	Rt., S, Ls.	Cold, cough, emetic, colic, haemorrhoids, used in healing.
21.	SweritachirataBuch-Ham	Chiryata	AH.	Pl.	Bitter, tonic, stomachic,

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	(Gentiananceae)				laxative, febrifuge, blood purifier, in malaria, typhoid fever.
22.	Sapindusmukorossi (Sapindaceae)	Ritha	Т	F	Used in salivation, chlorosis and epilepsy, expectorent, skin discease, blood disease.
23.	TrichosanthesPalmataRoxb. (Cucurbitaceae)	Indrayan	P. Sh.	S, Rt.	Used in vetanary medicine, root used in lung diseases of cattles.
24.	ThalictrumfeliolosumDC (Ranununculaceae)	Mamira	АН	Rt.	Purgative, diuretic, febrifuge, dyspepsia, ophthalmia, tonic, in eye problems
25.	UrticaparvifloraRoxb. (Urticaceae)	Bichhu	P. Sh.	Pl. Rt.	Diuretic, astringent, anthelmintic, emmenagogue, memorrhagia, as external

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	eved from: https://jeponime.org/ma				irritation.
26.	Viola serpens (Violaceae)	Banfsha	АН.	Pl, Rt.,	Antipyretic, febrifuge, emollient, demulcent, lung trouble, diaphoretic.
27.	Zanthoxyllumalatum (Rotaceae)	Timur	PH, Sh.	S, Bk.	Used as tonic, in fever, dyspepsia, cholera, used as remedy for toothache.
28.	BerbenisaristataRoxb. (Berberidacae)	Darulhaldi	P, Sh.	Rt., Bk	Used in malarial fever, menorrhagia, diarrhoea, jaundice, skin diseases, eye diseases.
29.	JuglansregiaLinn. (Juglandaceae)	Dantasa	Т	Ls Bk, Rt	Anthelmintic, in detergent, astringent, tonic, deoction considered to be specific in strumous, fruit in rheumatism.
30.	Polygonatumverticillatum (Liliaceae)	Mahamada	A.H.	Rt.	Rhizome is sweet, cooling,

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	evea from: https://ijeponime.org/ma	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			aphrodisial,
					galactogogue,
					aspetising and
					tonic, in
					burning
					sensation,
					fever, strangury
					seminal
					weakness,
					general
					debilities, in
					reproductive
					problems.
31.	Paris polyphylla	Satua, Meethi	PH	Rh.,	Nerve tonic,
	(Liliaceae)	Bach		Rt.	febrifuge, used
					in hysteriya
32.	<i>Podophyllumemodi</i> wall	Van kakrhi	AH	Rh.,	Used in curing
	(Liliaceae)			Rt.	cancerous
	(tissue, hepatic,
					stimulant,
					blood purifier,
					useful in
					constipation,
					skin diseases
					and tumors
					growth.
33.	Potentillafulgenswall	Bajradanti	PH	Rt.	Used in teeth
	(Rosaceae)				diseases,
					stringhtens
					gum and teath,
					antidiarrhoeal,

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	eved from: https://jeponime.org/ma				spasmolytic, anticancer.
34.	Swertiapaniculata (Gentianaceae)	chirayata	АН	Pl.	Bitter tonic, febrifuge, laxative, blood purifiers, stomachic, antimalarial, antidiabatic etc.
35.	TaxusbaccataLinn. (Taxaceae)	Talispatra	Т	Ls.	Used in asthma, cough, tuberculosis, cancer, locally bark used as tea.
36.	Allium strachayi (Liliaceae)	Jambu	АН	Ls	Blood purifier, in fever, essential oil, used as masala etc.
37.	CarumcarviLinn. (Umbelliferae)	Kalajira	АН	S	Stomachic, carminative, lactag., essential oil, used in backary product, in fever.
38.	Jureniamacrocephala (Compositae)	Gokuldhoop/ Guggal	АН	Rt., Pl.	Used in incense, dhoop, havansamagri,

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	eved from netps.//ijeponinie.org/ind				antifungal, herbal perfumes, antibacterial.
39.	NardostachysjatamansiDC (Valerianaceae)	Jatamansi	PH	Rt.	Stimulant, essential oil, insecticide, for treatment of epilepy, hysteria, convulsive affections, in palpitation of heart.
40.	Orchislatifolia (Orchidaceae)	Salam panja	РН	Rt.	Expectorant, astringent, digestive, seprmatopoitic, used in cough etc.

ABBREVIATIONS USED

Habit - A – Anual; P – Perennial; Cl – Climber; H- herb;

Sh - Shrub; T - Tree

Parts used - Pl - whole pant; Ls - Leaves; Fls - Flowers; Rh -

Rhizome; Rt – Root,

S - Seed; Bk - Bark; F - Fruit.

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