

RESEARCH ARTICLE

ETHNOBOTANICAL SURVEY OF MEDICINAL PLANTS AGAINST SOME COMMON DISEASES IN ALIGARH DISTRICT, U.P., INDIA.

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Manuscript Info	Abstract
Manuscript History	Since the ancient time, plant species have been used as the source of phytomedicine by the human beings. Plants are the richest source of
Received: 27 October 2016 Final Accepted: 25 November 2016 Published: December 2016	medicine due to the presence of biochemical, which are useful to cure the various diseases. The present paper provides the information on the phytoremedies practiced by the Hakim, Vaidh and Local people of
<i>Key words:-</i> Aligarh district, Ethnobotany, Phytoremedy,Traditional use.	interior area of Aligarh district, U.P., India. During the floristic survey for collection the ethnomedicinal informations, 61 plant species belonging to 35 Families, 57 Genera were found to be used to cure various common diseases like amoebiosis, bronchitis, cold & cough, diarrhoea, dysentery etc.
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Introduction:-

From ancient times, the plants have been used as sources of medicines by the tribal or human being. The traditional medical knowledge of plants and their use by indigenous cultures are not only useful for conservation of cultural traditions, but also for community health care and drug development the present and future. The present floristic study deals with various common plant species having medicinal values in Aligarh district. Various kinds of ethnomedicinal plants like herbs, shrubs, weeds, tree etc. are used in different mode of administration in curing the different diseases. Geographically, Aligarh district lies 27° 35' to 28° 11' North latitude and 77°29' to 78° 38' East longitude. It is bounded by Gautam Budh Nagar, Bulandshahr and Badaun on the north, whereas it is spread up to Haryana in the west. Topographically, it presents a shallow like trough appearance with high Ganga and Yamuna banks of extreme rim. River Yamuna flows on the north-west region of the district and Ganga separates the district from Badaun of the north-east end. All over the world, everybody is familiar to Aligarh district of U.P. due to presence of Aligarh Muslim University.

Material and Methods:-

Field trips were organized for collecting the ethnobotanical information of plants by using the interviews and questionnaires with practitioners and experienced men. While noting the information in the record file at the time of survey, every care is taken to record the local name, flowering & fruiting time of plants and their parts and diseases name. The parts of the different plant species are different for the treatment of various common diseases. Plant species are identified by using relevant flora (Duthie, 1903-1929). The ethnomedicinal uses of the plants are compared with available Scientific Literatures (Katewa et al. 2001), (Kumar and Chauhan, 2005), (Murthy et al. 2013), (Pandey and Kumar, 2006), (Rahul, 2013), (Rani et al. 2009), (Sinhababu and Banerjee, 2013), (Sharma et al. 2010), (Yumnamcha et al. 2014).

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Results:-

While exploting the plants of Aligarh district during research from floristic and ethnobotanical point of view, author came across some ethnobotanical plant species, which were used to cure various common diseases. 61 ethnomedicinal plant species belonging to 35 families and 57 genera were enumerated in the present work. 26 plant species and 31 plant species were used for single drug treatments and multidrug treatment respectively. Data of medicinal plants clearly describes plant nature, local name, occurrence, flowering and fruiting time, plant part used and disease name in **Table**. Leaf constitute was the highest (19) of utilization followed by stem & its parts (bark 12, rhizome 2, twig gum 1, stem 2), root (9), fruit (7), seed (7), whole plant (7), flower (5) and bulb (2). **Table :-** List of Some Ethnomedicinal Plants of Aligarh district.

				0				
S.	Natu	Botanical name	Family	Local name	Occurrence	Fls/Frts	Parts	Disease
no.	re					Time	used	
1.	Shru	Abrus	Fabaceae	Ratti	Waste	Aug-	Leaf	Bronchitis,
	b	precatorius L.			place and	Sep/		Cold &
		1			Road side	Sep-oct		Cough.
						1	Root	Cold &
								Cough.
2.	Shru	Abutilon indicum	Malvaceae	Kanghi	Waste	Aug-	Leaf	Dysentery.
	b	L.		U	place Road	Jan/	Root	Amoebiosis.
					side	Jan-Mar		
3.	Tree	Acacia catechu	Mimosaceae	Khairi	Road side	Jul-	Bark	Bronchitis.
		L.				Aug/		
						Sep-		
						Mar		
4.	Tree	Acacia nilotica L	Mimosaceae	Babul	Road side	Jul-Oct/	Bark	Cold,
						Nov-		Whooping
						Feb		cough.
							Twig	Dysentery.
							Gum	
5.	Herb	Achyranthes	Amaranthaceae	Chirchitta	Semi dry	Throug	Bark	Blood
		aspera L.			place,	h out		dysentery,
					Road side	of year	Seed	Cold &
								Cough.
6.	Shru	Adhatoda vasica	Acanthaceae	Piyabans	Garden	Oct-Jan/	Leaf	Bronchitis.
	b	Nees.				Jan-Mar	Flower	Bronchitis.
7.	Tree	Aegle marmelos	Rutaceae	Bel	Road side	Apr-	Fruit	Diarrhoea,
7.	Tree	Aegle marmelos L.	Rutaceae	Bel	Road side	Apr- May/	Fruit	Diarrhoea, Dysentery.
7.	Tree	Aegle marmelos L.	Rutaceae	Bel	Road side	Apr- May/ May-	Fruit	Diarrhoea, Dysentery.
7.	Tree	Aegle marmelos L.	Rutaceae	Bel	Road side	Apr- May/ May- July	Fruit	Diarrhoea, Dysentery.
7.	Tree	Aegle marmelos L. Ailanthus	Rutaceae	Bel Ulloo	Road side Planted in	Apr- May/ May- July Feb-	Fruit Bark	Diarrhoea, Dysentery. Amoebiosis.
7.	Tree	Aegle marmelos L. Ailanthus excelsa Roxb.	Rutaceae Simaroubaceae	Bel Ulloo	Road side Planted in garden &	Apr- May/ May- July Feb- Apr/	Fruit Bark Gum	Diarrhoea, Dysentery. Amoebiosis. Diarrhoea,
7.	Tree	Aegle marmelos L. Ailanthus excelsa Roxb.	Rutaceae	Bel Ulloo	Road side Planted in garden & road side	Apr- May/ May- July Feb- Apr/ Apr-	Fruit Bark Gum	Diarrhoea, Dysentery. Amoebiosis. Diarrhoea, Dysentery.
7.	Tree	Aegle marmelos L. Ailanthus excelsa Roxb.	Rutaceae Simaroubaceae	Bel Ulloo	Road side Planted in garden & road side	Apr- May/ May- July Feb- Apr/ Apr- June	Fruit Bark Gum	Diarrhoea, Dysentery. Amoebiosis. Diarrhoea, Dysentery.
7. 8. 9.	Tree Tree Herb	Aegle marmelos L. Ailanthus excelsa Roxb. Allium cepa L.	Rutaceae Simaroubaceae Liliaceae	Bel Ulloo Piyaj	Road side Planted in garden & road side Cultivated	Apr- May/ May- July Feb- Apr/ Apr- June -	Fruit Bark Gum Bulb	Diarrhoea, Dysentery. Amoebiosis. Diarrhoea, Dysentery. Cold &
7. 8. 9.	Tree Tree Herb	Aegle marmelos L. Ailanthus excelsa Roxb. Allium cepa L.	Rutaceae Simaroubaceae Liliaceae	Bel Ulloo Piyaj	Road side Planted in garden & road side Cultivated Field	Apr- May/ May- July Feb- Apr/ Apr- June -	Fruit Bark Gum Bulb	Diarrhoea, Dysentery. Amoebiosis. Diarrhoea, Dysentery. Cold & Cough.
7. 8. 9.	Tree Tree Herb	Aegle marmelos L. Ailanthus excelsa Roxb. Allium cepa L. Allium sativum L	Rutaceae Simaroubaceae Liliaceae Liliaceae	Bel Ulloo Piyaj Lahsun	Road side Planted in garden & road side Cultivated Field Cultivated	Apr- May/ May- July Feb- Apr/ Apr- June -	Fruit Bark Gum Bulb Bulb	Diarrhoea, Dysentery. Amoebiosis. Diarrhoea, Dysentery. Cold & Cough. Cold &
7. 8. 9. 10.	Tree Tree Herb Herb	Aegle marmelos L. Ailanthus excelsa Roxb. Allium cepa L. Allium sativum L	Rutaceae Simaroubaceae Liliaceae Liliaceae	Bel Ulloo Piyaj Lahsun	Road side Planted in garden & road side Cultivated Field Cultivated Field	Apr- May/ May- July Feb- Apr/ Apr- June -	Fruit Bark Gum Bulb Bulb	Diarrhoea, Dysentery. Amoebiosis. Diarrhoea, Dysentery. Cold & Cough. Cold & Cough.
7. 8. 9. 10.	Tree Tree Herb Herb	Aegle marmelos L. Ailanthus excelsa Roxb. Allium cepa L. Allium sativum L Aloe vera Tourn.	Rutaceae Simaroubaceae Liliaceae Liliaceae	Bel Ulloo Piyaj Lahsun Ghinkwar	Road side Planted in garden & road side Cultivated Field Cultivated Field Side of	Apr- May/ May- July Feb- Apr/ Apr- June - End	Fruit Bark Gum Bulb Bulb Leaf	Diarrhoea, Dysentery. Amoebiosis. Diarrhoea, Dysentery. Cold & Cough. Cold & Cough. Cold &
7. 8. 9. 10.	Tree Tree Herb Herb Herb	Aegle marmelos L. Ailanthus excelsa Roxb. Allium cepa L. Allium sativum L Aloe vera Tourn.	Rutaceae Simaroubaceae Liliaceae Liliaceae	Bel Ulloo Piyaj Lahsun Ghinkwar	Road side Planted in garden & road side Cultivated Field Cultivated Field Side of fruit	Apr- May/ May- July Feb- Apr/ Apr- June - - End winter	Fruit Bark Gum Bulb Leaf	Diarrhoea, Dysentery. Amoebiosis. Diarrhoea, Dysentery. Cold & Cough. Cold & Cough. Cold & Cough. Cold & Cough.
7. 8. 9. 10.	Tree Tree Herb Herb Herb	Aegle marmelos L. Ailanthus excelsa Roxb. Allium cepa L. Allium sativum L Aloe vera Tourn.	Rutaceae Simaroubaceae Liliaceae Liliaceae Liliaceae	Bel Ulloo Piyaj Lahsun Ghinkwar	Road side Planted in garden & road side Cultivated Field Cultivated Field Side of fruit orchards	Apr- May/ May- July Feb- Apr/ Apr- June - End winter	Fruit Bark Gum Bulb Leaf	Diarrhoea, Dysentery. Amoebiosis. Diarrhoea, Dysentery. Cold & Cough. Cold & Cough. Cold & Cough.
7. 8. 9. 10. 11.	Tree Tree Herb Herb Herb	Aegle marmelos L. Ailanthus excelsa Roxb. Allium cepa L. Allium sativum L Aloe vera Tourn. Alstonia	Rutaceae Simaroubaceae Liliaceae Liliaceae Liliaceae Apocynaceae	Bel Ulloo Piyaj Lahsun Ghinkwar Chitwan	Road side Planted in garden & road side Cultivated Field Cultivated Field Side of fruit orchards Road side	Apr- May/ May- July Feb- Apr/ Apr- June - End winter Jan-	Fruit Bark Gum Bulb Leaf Bark	Diarrhoea, Dysentery. Amoebiosis. Diarrhoea, Dysentery. Cold & Cough. Cold & Cough. Cold & Cough. Cold & Cough. Diarrhoea,
7. 8. 9. 10. 11. 12.	Tree Tree Herb Herb Tree	Aegle marmelos L. Ailanthus excelsa Roxb. Allium cepa L. Allium sativum L Aloe vera Tourn. Alstonia scholaris L.	Rutaceae Simaroubaceae Liliaceae Liliaceae Liliaceae Apocynaceae	Bel Ulloo Piyaj Lahsun Ghinkwar Chitwan	Road side Planted in garden & road side Cultivated Field Cultivated Field Side of fruit orchards Road side	Apr- May/ May- July Feb- Apr/ Apr- June - End winter Jan- Mar/	Fruit Bark Gum Bulb Bulb Leaf Bark	Diarrhoea, Dysentery. Amoebiosis. Diarrhoea, Dysentery. Cold & Cough. Cold & Cough. Cold & Cough. Cold & Cough. Diarrhoea, Dysentery.
 7. 8. 9. 10. 11. 12. 	Tree Tree Herb Herb Tree	Aegle marmelos L. Ailanthus excelsa Roxb. Allium cepa L. Allium sativum L Aloe vera Tourn. Alstonia scholaris L.	Rutaceae Simaroubaceae Liliaceae Liliaceae Apocynaceae	Bel Ulloo Piyaj Lahsun Ghinkwar Chitwan	Road side Planted in garden & road side Cultivated Field Cultivated Field Side of fruit orchards Road side	Apr- May/ May- July Feb- Apr/ Apr- June - - End winter Jan- Mar/ May-Jul	Fruit Bark Gum Bulb Leaf Bark	Diarrhoea, Dysentery. Amoebiosis. Diarrhoea, Dysentery. Cold & Cough. Cold & Cough. Cold & Cough. Cold & Cough. Diarrhoea, Dysentery.
7. 8. 9. 10. 11. 12. 13.	Tree Tree Herb Herb Tree Herb	Aegle marmelos L. Ailanthus excelsa Roxb. Allium cepa L. Allium sativum L Aloe vera Tourn. Alstonia scholaris L. Amaranthus	Rutaceae Simaroubaceae Liliaceae Liliaceae Apocynaceae Amaranthaceae	Bel Ulloo Piyaj Lahsun Ghinkwar Chitwan Kanta chouli	Road side Planted in garden & road side Cultivated Field Cultivated Field Side of fruit orchards Road side Waste	Apr- May/ May- July Feb- Apr/ Apr- June - - End winter Jan- Mar/ May-Jul Aug-Jan	Fruit Bark Gum Bulb Bulb Leaf Bark Root	Diarrhoea, Dysentery. Amoebiosis. Diarrhoea, Dysentery. Cold & Cough. Cold & Cough. Cold & Cough. Cold & Cough. Diarrhoea, Dysentery. Amoebiosis.
 7. 8. 9. 10. 11. 12. 13. 	Tree Tree Herb Herb Tree Herb	Aegle marmelos L. Ailanthus excelsa Roxb. Allium cepa L. Allium sativum L Aloe vera Tourn. Alstonia scholaris L. Amaranthus spinosus L.	Rutaceae Simaroubaceae Liliaceae Liliaceae Liliaceae Apocynaceae Amaranthaceae	Bel Ulloo Piyaj Lahsun Ghinkwar Chitwan Kanta chouli	Road side Planted in garden & road side Cultivated Field Cultivated Field Side of fruit orchards Road side Waste place	Apr- May/ May- July Feb- Apr/ Apr- June - - End winter Jan- Mar/ May-Jul Aug-Jan	Fruit Bark Gum Bulb Bulb Leaf Bark Root	Diarrhoea, Dysentery. Amoebiosis. Diarrhoea, Dysentery. Cold & Cough. Cold & Cough. Cold & Cough. Cold & Cough. Diarrhoea, Dysentery. Amoebiosis.

		<i>mexicana</i> L.			Dry place	Apr/		cough.
						Apr-		
						May		
15.	Tree	Artocarpus	Moraceae	Katahal	Cultivated	-	Fruit	Diarrhoea,
		integrifolia L.			field			Dysentery.
16.	Herb	Bacopa monnieri	Scrophuliaceae	Vermin	Moist	Aug-	Whole	Bronchitis.
		L.			place	Oct/		
						Oct-		
17	Troo	Rauhinia	Casalpinoidaa	Kachnar	Plantad in	Nov	Bork	Diarrhoog
17.	mee	purpurea I	Caesaipilloluae	Kacillai	garden &	Fab/	Root	Cold &
		pulpulcu L.			roadsides	Mar-	Root	Cough
					100001000	Apr		Cougii.
18.	Tree	Butea	Fabaceae	Dhak	Rare but	Mar-	Gum	Dysentery.
		monosperma			road side	May		
		Lam.						
19.	Und	Carissa	Apocynaceae	Karaunda	Side of	Nov-	Leaf	Whooping
	er	spinarum L.			fruit	Dec/		cough.
	shru				orchards	Dec-		
20	b		A	Destant	Maint	Feb	XX7 1 1 .	Disultaria
20.	Herb	Centella asiatica	Apiaceae	Branmi	MOISt	Feb-	whole	Diarrnoea,
		L.			place	Api/		Dysentery.
						May		
21.	Herb	Corchorus	Tiliaceae	Kharenti	Cultivated	Aug-	Leaf	Dysentery.
		capsularis L.			field	Oct	2000	2) serier j:
22.	Und	Coriandrum	Apiaceae	Dhania	Cultivated	Jan-Mar	Seed	Amoebiosis,
	er	sativum L.	_		field			Diarrhoea,
	shru							Dysentery.
	b							
23.	Herb	Curcuma longa	Zingiberaceae	Haldi	Cultivated	Sep-Oct	Rhizom	Cold &
		L,			field		e	Cough,
24	Harb	Cunadan	Doggoog	Doob abasa	Weste field	Most	Whole	Dysentery.
24.	пего	dactylon (L)	Foaceae	Dood gliass	waste neiu	narts of	whole	Diamioea, Dysentery
		Pers				vear		Dysentery.
25.	Herb	Cyperus	Cyperaceae	Motha	Moist	Jul -	Root	Dysentery.
		rotundus L.	- 51		place	Dec		5
26.	Herb	Datura metel L.	Solanaceae	Dhatura	Road side	Dec-	Leaf	Amoebiosis,
						Feb		Diarrhoea.
27.	Herb	Eclipta prostrata	Asteraceae	Kala	Moist	Most	Leaf	Bronchitis,
		L.		Bhangra	place	part of		Cough,
-				G 6 1	<u> </u>	year	T C	Dysentery.
28.	Tree	Eucalyptus	Myrtaceae	Safeda	Side of	Apr-Jun	Leaf	Bronchitis.
		glabulus Labill.			orchards &			
20	Horb	Funkarbia	Furtherbiacose	Conomohi	Wasto	Most	Whole	Diarrhoog
27.	11010	prostrata Sime	Buphorbiaceae	Jonemenn	nlace	nart of	whole	Diamitea.
		prostrata Sillis.			place	vear		
30.	Herb	Evolvulus	Convolvulaceae	Vishnukranta	Road side.	Aug-	Leaf	Bronchitis.
		alsinoides L.			in village	Oct/		Cold &
						Oct-		Cough.
						Nov		
31.	Tree	Ficus	Moraceae	Bargad	Road side,	Mar-Jun	Bark	Diarrhoea,
		benghalensis L.			in villages			Dysentery.

32.	Tree	Ficus racemosa	Moraceae	Gular	Road side,	Mar-Jun	Bark	Diarrhoea,
33.	Tree	L. Ficus religiosa L.	Moraceae	Pipal	Road side, in villages	Mar- May	Bark	Diarrhoea, Whooping cough.
34.	Herb	Leucas cephalotes Roth.	Lamiaceae	Goma		Oct- Nov/ Nov- Dec	Flower	Cold & Cough.
35.	Herb	Linum usitatissimum L.	Linaceae	Alsi	Cultivated field	Jan- Feb/ Feb- Mar	Seed	Cold & Cough.
36.	Tree	Mangifera indica L.	Anacardiaceae	Aam	Cultivated in orchards	Feb- Apr/ May-Jul	Bark	Bleeding dysentery.
37.	Herb	Mentha longifolia L.	Lamiaceae	Podina	Moist place	Oct- Nov/ Nov- Dec	Leaf	Diarrhoea, Dysentery.
38.	Herb	Mimusops elengi L.	Sapotaceae	Maulsari		Apr- May/ May- Jun	Fruit	Dysentery,
39.	Herb	Momordica charantia L.	Cucurbitaceae	Karela	Cultivated in orchards	Jul-Sep/ Sep-Oct	Leaf	Diarrhoea, Dysentery.
40.	Herb	Musa paradisiaca L.	Musaceae	Kela	Side of orchards	-	Fruit	Diarrhoea, Dysentery.
41.	Herb	Ocimum basilicum L.	Lamiaceae	Vantulsi	Waste place	Nov- Dec/ Dec-Jan	Leaf	Dysentery, Whooping cough.
42	Hauk	Oralia	Onalidaaaaa	Vhoti mithi	Maint	Dee	W/h ala	Cough.
42.	Herb	oxalis corniculata L.	Oxandaceae	Knau muni	place & in garden	Feb/ Feb-Apr	whole	Diarrhoea, Dysentery.
43.	Tree	<i>Pongamia</i> <i>pinnata</i> (L.) Pierra.	Fabaceae	Papri	Road side, rare in garden	Mar- May⁄ May- Jun	Seed	Whooping cough.
44.	Tree	Psidium guajava L.	Myrtaceae	Amroud	Cultivated in orchards	May-Jul	Stem Fruit	Amoebiosis. Diarrhoea,
45.	Und er- shru b	<i>Rauvolfia</i> serpentina (L.) Benth.	Apocynaceae	Chotachand	Rare, in shady place	Mar- Apr/ Apr- May	Root	Dysentery. Diarrhoea.
46.	Herb	<i>Rungia repens</i> (L.) Nees.	Acanthaceae	Manga	Moist, shady place	Oct- Jan	Whole	Cough.
47.	Gras s	Saccharum officinalis L.	Poaceae	Ganna	Cultivation in field		Stem	Constipation, Diarrhoea.
48.	Tree	Salvadora persica L.	Salvadoraceae	Pilu	Garden, road side	Nov- Feb/	Leaf	Cough, Bronchitis.

						Feb-		
49.	Und er	Sida cordifolia L.	Malvaceae	khirainti	Dry place, & road	Mar Sep- Dec	Leaf	Dysentery.
	shru b				side			
50.	Herb	Sisymbrium irio L.	Brassicaceae	Khumbkalan	Moist field, road side	Mar- Apr	Seed	Diarrhoea.
51.	Herb	Solanum xanthocarpum	Solanaceae	Kateri	Dry and waste	May- Aug/ Aug- Sep	Flower	Whooping cough.
		Schrad.			place		Fruit	Cold & Cough.
							Root	Cold & Cough.
52.	Tree	Syzygium cumini	Myrtaceae	Jamun	Side of	Apr-	Leaf	Diarrhoea.
					orchards	Jun/	Bark	Diabetes,
						Jun-Jul		Dysentery.
53.	Tree	Tamarindus	Caesalpiniaceae	Imli	Road side	Jul-Sep/	Leaf	Dysentery.
		indica L.			and in	Sep-	Flower	Blood
					villages	Nov		dysentery.
							Seed	Cold &
								Cough.
54.	Tree	Terminalia	Combretaceae	Arjun	Road side	May-	Bark	Bronchitis.
		<i>arjuna</i> Roxb.				Jun/		
	TT1	TT •1 1	7	California	Durant	Jul-Aug	Englis	Dava al 141 a
55.	Herb	I ribulus tannastnis I	Zygopnyllaceae	Goknru	Dry and	Jui-Sep/	Fruit	Bronchitis.
		lerresiris L.			place	Nov		
56	Herb	Trigonella	Fabaceae	Methi	Cultivation	Ian-	Seed	Dysentery
50.	mere	foenum-graecum	Tubuccuc	Wiethi	in field	Feb/	beeu	Dysentery.
		L.				Feb-		
						Mar		
57.	Und	Triumfetta	Tiliaceae	Kasni	Waste	Aug-	Root	Bronchitis.
	er	rhomboidea			place	Sep/		
	shru	Jacq.				Sep-Oct		
	b					~		~
58.	Herb	Vernonia	Asteraceae	Phulni	Road side	Sep-	Root	Cold &
		cinerea L.				Feb/		Cougn, Diarrhoan
						reu- Mar		Diamioea.
59	Herb	Vinca rosea I	Anocynaceae	Sadawahar	Cultivation	Most	Leaf	Blood
57.	11010	, men rosen L.	r ipoc ynaecae	Sucawanai	in field	part	Loui	dysentery
					in noru	of year		a joentery.
60.	Herb	Zingiber	Zingiberaceae	Adarak	Cultivation		Rhizom	Cold &
		officinale L.	Č .		in field		e	Cough.
61.	Shru	Zyzyphus	Rhamnaceae	Jhar Ber	Side of	Jul-Sep/	Leaf	Cold &
	b	nummularia			raiway	Sep-		Cough.
		Burn f.			lines	Dec		

Discussions:-

The present paper provides the traditional and medicinal uses of plant species. These plant species have been used by practitioners and local experience people in the anterior area of Aligarh district. Most of the plant species are herbaceous nature. These plant species are used as phytoremedies to cure the various common diseases like amoebiosis, bronchitis, Cold & Cough, diarrhoea, dysentery etc. Different plant parts such as bark, flower, fruit, leaf, roots, seeds, stem etc. are used for the treatment of diseases.

Conclusion:-

The present study is very helpful to list out various ethnomedicinal plants of Aligarh district. The paper provided here can be utilized to further studies on conservation and cultivation of ethnomedicinal plants, because most of the plant species are on the way of extinct due to pollution. The youth should also be encouraged to learn the traditional medicinal knowledge to preserve it from being lost with the older generation. The present paper briefly provides the ethnomedicinal information's related to 61 medicinal plant species.

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References:-

- 1. Duthie, J. F. (1903-1929). "Flora of the upper gangetic plain of the adjacent Siwalik and Sub-Himalayan tracts". *Botanical Survey of India, Calcutta.* Vol. 3.
- 2. Katewa, S. S., Chaudhary, B. L., Jain, A. and Takhar, H. K. (2001). "Some plants in folk medicine of Rajsamamd district (Rajasthan)". *Ethnobotany*. Vol. 13 (1 2): 129 134.
- 3. Kumar, S. and Chauhan, A. K. S. (2005). "Medicinal plants used by local inhabitants in Bharatpur district, Rajasthan". *Ethnobotany*. Vol. 17 (1 2): 179 183.
- Murthy, S. M. S. and Vidyasagar, G. M. (2013). "Traditional knowledge on medicinal plants used in the treatment of respiratory disorders in Bellary district, Karnataka, India". *Indian Journal of Natural products and Resources*. Vol. 4 (2): 189 – 193.
- 5. Pandey, R.S. and Kumar, R.A. (2006). "An ethnobotanical study in the Vindhyan Region, Uttar Pradesh". *Indian J. For.* Vol. 29 (4): 389 394.
- 6. Rahul, J. (2013). "An Ethnobotanical study of Medicinal Plants in Taindol Village, District Jhansi, Region of Bundelkhand, Uttar Pradesh, India". *Journal of Medicinal Plants Studies*. Vol. 1 (5): 59 71.
- 7. Rani, R., Gautam, R. and Gautam, R. K. (2009). "Floristic survey of medicinal plants in Sur Sarovar wet land, Kheetham, Agra, India". *Journal of Applied and Natural Science*. Vol. 1 (2): 196 200.
- 8. Sinhababu. A. and Banerjee, A. (2013). "Ethno-botanical Study of Medicinal Plants Used by Tribals of Bankura Districts, West Bengal, India". *Journal of Medicinal Plants Studies*. Vol. 1 (3): 98 104.
- 9. Sharma, J., Painuli, R. M. and Gaur, R. D. (2010). "Plants used by the rural communities of district Shahjahanpur, Uttar Pradesh". *Indian Journal of Traditional Knowledge*. Vol. 9 (4): 798 803.
- 10. Yumnamcha, T., Nongthomba, U. and Devi, D. M. (2014). "Phytochemical screening and evaluation of genotoxicity and acute toxicity of aqueous extract of *Croton tiglium* L.". *International Journal of Scientific and Research Publications*, Vol. 4 (1): 436 439.