

A Rare Flora of Khatipura: Belongs to Mimosa Genus, Mimosoideae (Fabaceae)

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Abstract: This paper deals with a rare flora of Khatipura which belongs to Mimosa genus. There are only two Individuals in between 50 Km radius. One in village Khatipura and second in village Dhani sihodiya. Both villages are situated in Jhunjhung District of Rajasthan. Their Geographical locations are 28.0719° N, 75.9144°E.

Keywords: Mimosa, Genus, Individuals, Rdius, Geographical locations.

1. Introduction

The genus *Mimosa* of contains >550 species, mostly belongs to New world (Simon et al, 2011). Species shows all types of habit like tree, Shrubs and herbs. And are founds in different types of soil. The soil constituent vary is habitat like Nutrition and PH.

In *Mimosa* genus there are many endemic species present. Here we are discussing on one of endemic species of this genus because there are only two individual present in radius of around 75 km of village Khatipura of Khetritehsil of district Jhunjhunu.

Both individuals are approx.3 km far away from each other. Study of these species is started from July 2020 to 31 January 2023. During this period we visited more than80 sites and there are no new members of this genus present or reported.

2. Materials and Methods

Following materials were collected from the study site - specimen, flower, fruit, soil sample, etc.

Study Site

Following sites were studied during July 2020 to 31 January 2023. in district Jhunjhunu.

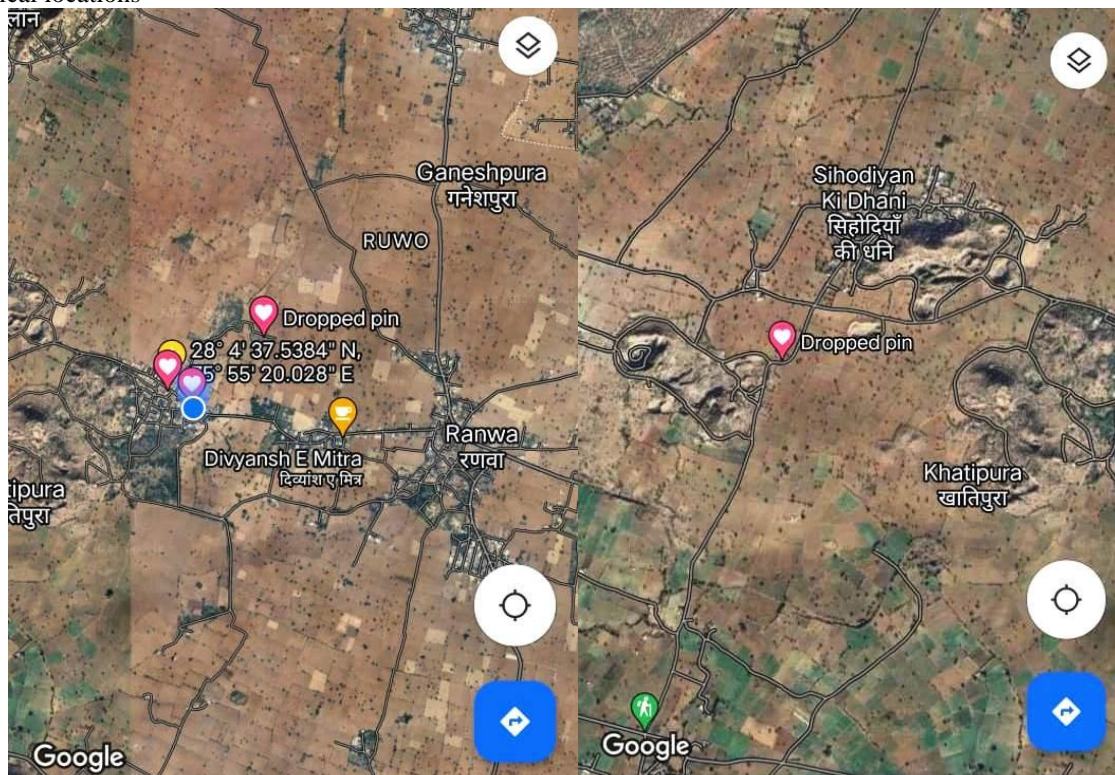
S. No.	Site Name	S. No.	Site Name	S. No.	Site Name	S. No.	Site Name
1	Khatipura*	21	Shimal, Ranwa	41	udawas	61	Bhirr
2	Dhani sihodiya*	22	DudhwaNanglia	42	jhunjhunu	62	Sagwa
3	Dada Fatehpura	23	Manota	43	Bagar	63	Thali
4	Nalpur	24	Khetri nagar	44	Chirawa	64	Bhodan
5	Mandari	25	Nauwali bawari	45	Gada khera	65	Muradpur
6	Bansayal	26	Kharkhara	46	Singhana	66	Majari
7	Mehara	27	Jasrapur	47	Buhana	77	Dumoli khurd
8	Sihod	28	Chanana	48	Pacheri	68	Dumoli kalan
9	Tiba basai	29	Baragano	49	pathroli	69	Dhani dochana
10	Tikupura	30	Gujarwas	50	Kalakhari	70	Manpura
11	Sadpur	31	Sanlod	51	Manana	71	Jai singhpura
12	Pithola	32	Saga	52	Rasoolpur	72	Jaisingsar
13	Badbar	33	Surajgarh	53	Bari ka bas	73	Bakhtawarpura
14	Chorodi	34	Pilani	54	Sari	74	Budania
15	Kakoda	35	Deoroad	55	Nari	75	Nuhania
16	Baman was	36	Kuthania	56	Karmadi	76	Bandha wali
17	Gidania	37	Gadrata	57	Babai	77	Rajota
18	Hirwa	38	Joda ki dhani	58	Pauaran	78	Chirani
19	Khudani	39	Bhajanawali	59	Bhopalpura	79	Santor
20	kidwana	40	Dharmadra	60	Indersar	80	Deolawas

*sites where individuals were reported.

Photographs



Geographical locations



*DROPPED PIN

3. Results

Mimosa armata is found in Rajasthan But in these region there is no evidence occurs before it.

Mimosa armata is wild form of M. hamata - it have following features.

S. No.	Charecter	Features
1	Length	= 1m tall
2	Branches	- Prickly
3	size of Prickels	= 4 - 5mm long.

4	shape of Prickles	- Hook like
5	Leaf type	- Bipinnate.
6	Leaf - Lets	- 6 - 9 pairs. Stalkless
7	Shape of leaflets	- ovate oblong
8	Size of Leaflets	- 2 - 4 mm long and 1 - 2 mm broad
9	flowers	spherical heads, solitary
10	Length of peduncle	- 1.3 to 3.4 cm
11	flower Bud Diameter	- 10 - 14 mm
12	flower color	- Pink
13	flower	- Complete
14	flowering	- August and September

In this study the same species were not reported except the two locations are above all locations. There is No evidence of the species in the same area.

Mimosa hamata and *Mimosa himalayans* are found in the Rajasthan (Jodhpur and Bijoliya) (Gehlot et al.2012).

But both species are not available in above 83 sites in Jhunjhunu district.

This is first time Reporting on this plant in this area.

4. Discussion

Mmosa armata is wild form of *Mimosa hamata*. *Mimosa hamata* which is native plant Rajasthan but it not distributed in Jhunjhunu district.

References

- [1] **Shetty bv, Singh V.**1987 *flora of Rajasthan, viol.1. Kolkata: Botanical Survey of India.*
- [2] **Kumar S, SanePV.**2003 *Legume of south Asia: a check list. Kew: Royal Botanic Gardens.*
- [3] **Serpnt JI Gehlot HS.**2010 *Plant ecology and Diversity 3: 211 - 216*
- [4] **Gahlot et. al.**2013 *Invasive mimosa does not adopt symbiosis: 2013: 1 – 18*

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