

Wild Vegetable Used By the Tribal and Rural People of Area Kolwan, Arni Tahsil, District Yavatmal. (M.S.) India

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Abstract: Different wild vegetable used by Tribal and Rural people at Kolwan area of Arni Tahasil Dist. Yavatmal, (M.S.) India. Present survey studied during March, 2nd 2014 to January, 2nd 2015. A total 18 wild vegetable species were found used by these Tribal people. The study was done to observe the different species varieties used for the food purpose, on the condition of Biodiversity and also to conserve them.

Keywords: Biodiversity, Ecology, Ethnobotany, Flora of Maharashtra, Kolwan, Local Flora.

I. INTRODUCTION

Over 40 million of population of India are the Tribal people and lives in or near the forest areas and depends on forest for many reason as like shelter and food etc. Kolwan is a village situated in forest area of Arni Tahsil, Yavatmal District (M.S.) India. Kolwan is inhabited by different Tribal groups among them some major groups are Dhangar, Banjara (Labanis) Adiwasi, Gond, Pardhi and Manas. Some people of these groups were lived in TANDA which is a small residence area as compare to village close to forest area. These people collects the different wild forest products and can earn their livelihood by selling it, eg. wild fruits, firewood, honey, wild vegetables, etc.

Adivasis and Tribal community known about medicinal values and food values of wild plants species which were comes traditionally and could not transfer due to this folk knowledge is fast disappearing and also these knowledge could not documented accurately, So this survey was undertaken to document traditional knowledge on wild edible plant species particularly vegetable category of Kolwan ,Arni Tahsil ,District Yavatmal (M.S.)

II. MATERIAL AND METHODS

This present survey carried out in the period of March, 2nd 2014 to January, 2nd 2015. In this near about 10 month period all seasons of a year observed and studied the tribal region of Kolwan area. Primarily information collected by the interviews of old tribal people and ethnic mens and womens. The local and ethnic Tribal people of present research field area gives accountable information about wild plant species and the edible uses, about their local Names, useful plant parts, and their utilization . A digital camera (SONY Cyber shot 20MP) with grea resolution is used to take the pictures of species. These wild plant species collected from research field, processed in to herbarium and kept in laboratory of institutional science department. Which were identified using scientific literature. Hooker 1872, "Flora of Maharashtra state" By Karthikeyans (2000) .As well as the herbarium was referred and maintained in the Department Of Botany, S. M. D. Bharati Science college Arni, District Yavatmal (M.S.) also.

III. RESULT AND DISCUSSION

The present survey reveals that 18 vegetable plants species collected from Kolwan ,Arni Tahsil, Dist.Yavatmal. Which are used as foods of Tribal And Rural people inhabited in research area. among them 08 species are used as leafy vegetable, rhizome /tuber 01 species used as food,00 as food from stem/shoot, 01 as food from flowers, 01 as food from pods and inflorescence , 06 as food from the fruits and 01 species as food from whole plant.

Table I shows Serial Number (column 1), Botanical Names (column 2), Local Name (column 3), Family (column 4), Parts Used (column 5), and Mode of Use (column 6).

Table I : wild vegetable used by the Tribal and Rural people of Kolwan area,Arni Tahsil, District Yavatmal.

Sr. No.	Botanical Name	Local Name	Family	Parts Used	Mode of Utilization
1	<i>Momordica charantia</i>	Karale	Cucurbitaceae	Unripe fruits	Cooked
2	<i>Coccinia grandis</i>	Tondali	Cucurbitaceae	Unripe fruits	Cooked
3	<i>Capparis zelanica</i>	Waghate	Capparidaceae	Unripe fruits	Cooked
4	<i>Trichosanthes cucumerina</i>	Padval	Cucurbitaceae	Unripe fruits	Cooked
5	<i>Carissa carandus</i>	Karvand	Apocynaceae	Unripe fruits	Raw
6	<i>Cucumis trigonus</i>	Jangali Kakadi	Cucurbitaceae	Fruits	Fried/ Cooked
7	<i>Moringa oleifera</i>	Shewaga	Moringaceae	Pods/ Inflorescence	Cooked/Boiled
8	<i>Sesbania grandiflora</i>	Heta	Papilionaceae	Flowers	Fried/ Cooked
9	<i>Amorphophallus companulatus</i>	Suran	Araceae	Rhizome	Fried /Cooked
10	<i>Colocacia esculenta</i>	Chamkura	Araceae	Leaves/Rhizome	Cooked
11	<i>Hibiscus cannabinus</i>	Ambadi	Malvaceae	Leaves/Fruits	Fried/ Cooked
12	<i>Cassia tora</i>	Tarota	Caesalpinaceae	Leaves	Fried
13	<i>Canthium parviflorum</i>	Kardai	Rubiaceae	Tender Leaves	Fried
14	<i>Portulaca oleracea</i>	Ghol	Portulacaceae	Leaves/Stems	Fried/ Cooked
15	<i>Diger muricata</i>	Kunjar	Amaranthaceae	Leaves/Spikes	Fried
16	<i>Celosia argentea</i>	Kardu	Amaranthaceae	Tender Leaves	Fried/ Cooked
17	<i>Amaranthus hybridus</i>	Rajgira	Amaranthaceae	Leaves	Fried
18	<i>Amaranthus viridis</i>	Chavali	Amaranthaceae	Whole plant	Fried

It is vital to collect and document these folk knowledge about wild plants and their edible uses from different new regions across India, for the conservation of biodiversity and their Utilization.

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