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TRADITIONAL PHYTOTHERAPY FOR ANIMAL BITE AMONG THE TRIBAL'S IN JALGAON DISTRICT MAHARASHTRA

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ABSTRACT:

The present paper deals with certain potential crude drugs used by tribal's such as Pawara, Bhill, Vanjara and Tadvi inhabiting the forest of satpuda at Jalgaon District Maharashtra. Total 15 genera 15 species belonging to 13 Angiospermic families are used by tribals against dog bite. The vast potential of such knowledge needs to be evaluated on modern scientific line.

KEY WORD: Dog bites, Herbal remedies, Jalgaon district, Maharashtra.

INTRODUCTION:

Jalgaon District is a abode of various tribal communities live Pawara, Bhill, Vanjara and Tadvi. They inhabit in remote forest areas and villages. Tribals suffer from animal bites very often and the medical aid is not available to them. They develop their own way to use many plant species against bite. To get relief from major insect/animal/snake bites traditional, rituals and folk beliefs are also practiced.

MATERIALS AND METHODS:

Field trips were conducted in tribal hamlets and villages in Jalgaon district The information was collected by interviewing elder tribals and rural people. Each claim was verified repeatedly. The plant collected has been housed in the Herbarium of Pratap collage Amalner. They have been indentified using various district, regional floras by patil (2003), Naik (1998) Lakshminarsimhan and Sharma (1991).The plants have been described alphabetically in details with reference to botanical name, vernacular name, family, plant part and mode of administration.

RESUTLS AND DISCUSSIONS:

Enumerations –

1. *Achyranthes aspera* L. (Amaranthaceae) Aghada
 - a) Use – Roots powder of the plant is applied locally on dog bite.
 - b) Leaf juice is mixed in cow ghee and warmed it, Spoonful of this mixture is consumed with honey for rat bite
2. *Aloe vera* L. (Liliaceae) Korphad

Use-latex mixed with rock salt and applied on the wound of dog bite.
3. *Albizia procera* Benth. (Mimosaceae) Pandhari Shrish.

Use – Seed of plant crushed in to Latex of *Euphorbia nerifolia* and applied on dog bite.
4. *Asparagus recemosus* Willd. – (Liliaceae) Shatavari.

Use- Root powder about 5gm mixed in cow milk and drunk twice a day against dog bite.
5. *Acacia nilotica* willd. Ex.del subsp. Indica (Bth) Brenam (caesalpiaceae) Babhal

Use – Leaves extract about 40gm given for three days against dog bite.
6. *Allium sativa* L. (Liliaceae) Losan.

Use – Few bulblets are crushed and consumed with cow milk.

Few bulblets are crushed and applied on wound caused by dog bite.
7. *Calatropis prosera* Ait R.Br. (Asclepiadaceae) Rui.

Use – Latex of plant about 3ml with *Sesamum oil* (*Sesamum orientale* L.) and jiggery mixed homogenously and consumed once a day.
8. *Emelia sonchifolia* (L.) Dc.Ex wight (Asteraceae) Pathari.

Use – About 20ml of leaf juice mixed in 25gm of cow ghee and consumed for seven days for dog bite.
9. *Melia azedarch* L. (Meliaceae) Bakam.

Use – Root extract about one cup is given three days against dog bite.
10. *Punica grantum* L. (Punicaceae) Dalimb

Use – Paste of leaves mixed with jiggery and applied locally on wound caused by dog bite.
11. *Cucurbita moschata* (Dush) poir (Cucurbitaceae) Bhopala

Use – Pulp of fruit about 10gm mixed in glass of buttermilk drunk for three days.
12. *Gossypium herbacium* L.(Malvaceae)Kapas.

Use-Leaf juice about haif spoon mixed with one or two drops of *Sesamum oil*.(*Sesamum orientale* L.) and drunk two times a day for rat bite
13. *Luffa cylendrica*(L.)Roem.(Cucurbitaceae)Gilke.

Use- Leaf juice is applied regularly on wound caused by rat bite

14. *Ocimum gratissimum* L(Lamiaceae) Tulas.

Use-Leaf juice is applied on injury caused by rat bite.

15. *Momordica dioica* Roxb.ex.Willd.(Cucurbitaceae)Katirley.

Use-Dried fruit powder about half spoon is consumed daily and the fruit paste is applied on wound caused by rat ,snake, dog and wolf

Tribal people from Jalgaon District have been using 15 plants species belonging to 13 families available in there vicinity as remedies against dog bite. Leaves, fruit, bulb, latex and root are used as antivenin. Interestingly one plant species *Momordica dioica* Roxb.Willd. is used for snake and animals like rat, dog and wolf. Most of plant species are bitter in taste. All the uses are little known or unknown to classical literature. Documentation of these remedies is essential before disappear. The plant must contain some active compounds which are quite useful for healing action. The vast potential of such traditional knowledge needs to be carefully evaluated on modern scientific line.

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