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Medicinal uses and Pharmacological activity of Mothirakanni (Hugonia mystax Linn). – A Review

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ABSTRACT

Higonia mystax (am. belonging to family Linaceae, commonly known a Mothirakannel 11 is a rambling larly tomentone climbing shrub found in low country, especially in dry regions of Sri Lanka and throughout the world, with a multitude of uses in traditional medicine. Review of literature revealed less work on this plant, hence the Sri Lanka melditional practitioner are using this plant to treat the poisonous birst. Mothirakanni is effectiveness in trending to reduce inflammatory tunious, made bits, fever and worm infestation. Hugonia mystax is an artherismic, febringe and Austidou. In this paper general medicinal uses, Pharmacological activities and phytochemistry of the plants have been reversed.

Keywords: Mothirakanni, Hugonia mystax Linn., Medicinal uses, Pharmacological activity

INTRODUCTION

Hugonia mystax Linn belonging to family Linsceae, commonly know as Modrinkanni. It is a rambling leafly tomenous climbing shrub found low country, especially in dry regions of Srt Lanks and throughout the world, with a multitude of uses in traditional medicine.³ Modrinkanni is most well—know for its effectiveness in treating to reduce inflammantory tumours, stude bite, fever and worm infestation.⁵ Hugonia mystax is an anthelimitic, febringe and Amidode.⁵ Li has been used for eras with much success to treat poissoons conditions. In the form of a powder it is administrated intensity as an anthelimitic and febringe. Bark of the root is also employed as an antidete to poissor. Ethnocheamically, the stem bark is used for stomach pain, vomiting and indicestion.⁵

1. Vernacular names

Tamil : Mothira kanni, Mothira konnai, Arure Sanskrit : Kamsamara

Sinhala : Maha - getiya, Bu- getiya English : Climbing flax

Telugu : Venoapa Malayalam : Modera - kanni

2. Plant description :

Hugonia mystax Linn. belongs to the medicinal family Linaceae. It is a serambling shrub, with – spreading, yellow – tomentose branches set with short. borizontal twigs leafless below and provided at the end with a pair of nearly opposite, woody, reflexed, circinate, tapering, tomentose spines in the axils of the two lowest leaves or scales; leaves alternate, on the main branches distant, on the latent twips crowed at their ends, 1-4 in, variable, oval or obbusp—out of orbotine—out a tipering to base, obtained some better distants, glabrous, fitting, with retriculate venation prominent on both sides, periode very short, stip, complexes, subsecous, periodes, flower rather large, 1-1 V in, on woody petals as long as sepals, in mails of the crowded leave at end of vigs, outer sepals lanceolate—oblong, tomentous, obtaine; petals. Many times longer than sepals, oblong—oval, acute or truncate; styles longer than stancers, stigmas capitate, drope nearly politose, V in, supported on persitent sepals, up large searly, sone low, growed, II collect, with unsally 2 or 3 section. 32



3. Phytochemistry

Stem

Totally 62 chemical compounds were identified. Di-n-octyl phthalate (24.32%), 2-methyl-7-nonadecene (20.83%), α-D-Glucopyranoside, methyl (21.10%) were major constituent with the biological activities like antimicrobial, antifungal and antioxidant activity present in the stem extracts.

Bark:

Twenty compounds were identified 2- Firms carbonaldehyde, 5phrotonyl methyl 7- (27-68%), a D-Chleeperpromoside, methyl (5,00%), n-Henadensonic acid (14,69%), 01/2-Oxtudecatlemoic acid (Z,2)- (7-24%), Olei-Acid (7:03%), Bernzáldehyde, 2-hydroxy-6-methyl- [Symoryms: 26f-crestaldehyde] (6,79%), Bernzáfmar, 2-á-libyler (Symoryms: Commania) (3.25%), Oztudecanoic acid (2,24%), 1-Decoence (1,69%) and Sitgmastancia/2-den, 3,2-4hybro-(1,49%).

Leaves

Carbohydrates, flavonoids, steroids, tannins, saponins, terpenoids, and absences of alkaloids, proteins and amino acids 7

4. Pharmacological activity

Anti-inflammatory, Antimicrobial, Antioxidant, cancer prevention, Nematicide, Hypo-cholesterolemic, Anti-tumour, Immuno-stimulant, Divertici^{1,4,5,6,3,8}

5. Medicinal uses

Bruised roots are employed externally in reducing inflammatory tumours and as an antidote to snake bites^{1,2}. Roots were used as antielmintie, astringent and also used for dysentery, fever, inflammation, and rheumatism^{1,2}. Form of a powder it is administered internally as an antielminite and febrifuge¹. Bark of the root is emmoved as an antifetor to roison². Used for skin diseases by the

traditional healers of Tiruvannamalai hills, Tamil nadu^a. Ethnobotanically, the leaves are used for antheliminic and rheumatism^a. Ethnobotanically the bark is made in to a decoction with Cureuma aronatic and is given with honey for inflammations in stomach, vomitting, stomach pain, indigestion^a. The aerial parts used as berbal remedies for diabetes^a.

CONCLUSION

Review of literature revealed less work on this plant, hence Hugonia mystax possesses mannerson biological activities proved by many experimental rundies. It demotes a class of berhal drug with strong theoretical or traditional base as a strong experimental base for its use. Thus, this plant has great potential for Roburnian, Authorithum, Authorithum, contributions, and uniforce activities, but before recommending it for clinical use in these conditions, there is a need to excelect clinical trains and prove its clinical atthity.

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