Medicinal properties and uses of Salabmisri (*Orchis latifolia* Linn): A literary review

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**ABSTRACT**

A medicinal plant Salabmisri (*Orchis latifolia* Linn), is a terrestrial herb commonly known as “Salep” in English language. It is an important medicinal plant used in clinical practice in unani system of medicine. It is one of the herbs that is very good and is very effective in promoting sexual health. In some magical traditions, its root is called Adam and Eve Root. It is considered aphrodisiac and nervine tonic by unani physicians. Salabmisri placed a major role as nutraceutical supplement in geriatric patients. This orchid is useful in aged patients because of its high nutritive value. Flour called salap is made of the ground tubers orchids. It contains a nutritious starch-like polysaccharide called glucomannan. Several scientific studies have also been carried out on salabmisri for its wonderful medicinal properties like aphrodisiac, hypolipidemic and antihypertensive properties.

**Keywords:** Salabmisri, *Orchis latifolia*, Nutritive, Antihypertensive, Hypolipidemic and Aphrodisiac.

**INTRODUCTION**

Salabmisri (*Orchis latifolia* Linn) is an important medicinal plant found in between Western Himalaya and Kashmir between 3000 to 4000m altitudes [1]. It is cultivated in Europe, India and South Asia. Fresh root tubers give a seminal smell [2]. It is used as an aphrodisiac drug since ages in Unani and Ayurveda system of medicine. Salabmisri is one of the herbs that is very good and is very effective in promoting sexual health. Its demulcent action allays gastro intestinal irritation and its nutritive and restorative function promotes rejuvenation during convalescent period in patients suffering from chronic diarrhoea and bilious fevers [3]. And is widely used in the treatment of Syphilis, diarrhoea, strangury, hemiplegia, dyspepsia, tuberculosis, debility and helminthiasis [4-7]. Chemical constitutes include phenolic acids, tannin, flavanoids, coumarins and terpenoids [8].

**Botanical Name:** *Orchis latifolia* linn [3, 4]

**Family:** Orchidaceae [3, 4]

**Vernacular Names** [9, 10]

- Arabic: Khusyatussalab, Salabmisri
- Persian: KhanaRubah
- Sanskrit: Munjataka
- English: Salep, Saloop
- Urdu: SalabMisri
- Hindi: Salam panja, salabmisri
- Marathi: Sala Misri
- Telugu: Goru-chettu
- Kannada: Salamisri
- Bengali: Salamisri
- Tamil: Salabmisri
BOTANICAL DESCRIPTION

Salabmisri is a tuberous terrestrial orchid. Tuber are paired lobed and palmate, stems of this plants are usually fistular and measure upto 90 cm long. Leaves are many, 15 cm long. Spike is cylindrical and dense flowered. It also measures 15 cm long. Flowers are 2 cm long variable in colour from pink to purple to almost pure white. The ovary is inferior and the fruit a capsule, seeds are very small and light.

Parts used: Root

Mizaj (Temperament): Haar 1® Ratab 1 (Hot 1® Dry 1) [14]

Haar 2® Ratab 2® (Hot 2® Dry 2) [12]

Af‘aal (Functions): [2, 8, 9]

Mughallize Mani
Muwallide Mani (Spermatogenic)
Mumsik (Retentive)
Mufatite Hisat (Lithotriptic)
Muqawie Bah (Aphrodisiac)
Muqawie Asaab (Nervine tonic)
Musammine Badan (Adipogenous)
Muhallile Warme Balghami (Anti-inflammatory)

Istemalat (Therapeutic uses): [2, 9, 11]

Falij (Paralysis)
Tashannuj (Convulsion)
Laqwa (Bell’s palsy)
Zoafe Bah (Impotence)
Kuzaz (Tetanus)

Qulae Dahan (Stomatitis)
Uqr (Infertility)
Qillate Mani (Oligospermia)
Surate Inzal (Premature ejaculation)
Jiryaan (Spermatorrhoea)

Muzir (Adverse effect): [2, 11]

Jigar (Liver)
Riya (Lungs)
Fame Meda
People with Haar mizaj

Musleh (Corrective): Samaghe arabi, Nabate safed, Shikanjabeen, Aabe kasni [2, 11]

Badal (Substitute): Boozidaan [11]

Miqdaar (Dose): 3-5 masha [9, 14]

Compound Formulations: Majoone falasfa, Sufoofe salab, Halwae Salab, Halwae Ghekwar, Hab Mumsik, Hab Ambar Momiyayi, Laboob Kabir, Majoon Suparipak and Majoon Mughaliz sada [9, 11, 13].

ETHNOBOTANICAL DESCRIPTION:

Action: Tonic and Expectorant [1] Aphrodisiac, Nervine Tonic, Nutritive [3] Astringent, Refrigerant, Diuretic, Antihelminthic, Antidiarrhoeal [5, 6].

Indication: Salabmisri is used in Sexual weakness, Chronic Diarrhoea and Dysentery, Tuberculosis, Strangury, Syphilis, Cephalgia, Otalgia and Helminthiasis [1, 5-7].

Chemical Constituents: Chemical analysis of Salabmisri reveals that it contains glucosides, starch, mucilage, sugar, albumin, volatile oils, bitter substances and loroglossin [3, 5, 9].

SCIENTIFIC STUDIES

A study by Noman Azeez et al reported that salabmisri for its Antihypertensive and dyslipidemic action and reported that salabmisri significantly reduce systolic blood pressure and improve endothelial dysfunction by increasing acetyl choline induce relaxation in rats. Salabmisri significantly reduce lipid levels in tyloxapol and high fat diet induced dyslipidemia [15].

An open clinical study on male patients of oligospermia has reported spermatogenic activity of salabmisri. Before and after trial semen analysis and testosterone level was estimated and reported that sperm count was increased and improved semen morphology. The conclusion of the study reported that spermen is effective in oilgospemria and it may also help to treat male infertility associated with oligospermia [16].

A study on sexual stimulant activity of salabmisri Orchis latifolia was carried out and reported that aqueous extract this drug is rich in Fructo Oligo Saccharides (FOS’s) as well as phytosterol was administered to streptozotocin and alloxane induced sexual dysfunction in male rats. The study suggested that the herb is a potential potent stimulant in overcoming the sexual disability related to diabetes [17].
REFERENCES

1. Supriya Kumar Bhattacharjee, Hand Book of Medicinal Plant 4th ed. Jaipur: Pointer Pub. 2004; 245.
2. Najmul Ghani. KhazainulAdvia. New Delhi: IdaraKitabulShifa, YNM, 542-543.
3. Khare CP. Indian Medicinal Plants: an illustrated Dictionary. Berlin: Heidelberg Springer, 2007; 453.
4. Narayan Das Prajapati, Kumar U. Agro’s Dictionary of Medicinal Plants. Agrobios pub. 2005; 233.
5. Narayan Das Prajapati, Purohit SS, Arun K Sharma, Tarun Kumar. A handbook of Medicinal Plants. Jodhpur; Agrobios, 2009; 371.
6. Nadkarni KM. India Plants and Drugs. New Delhi: Srishti Book Distributors 2005; 267-268.
7. James Duke A. Handbook of Medicinal Herbs, 2nd ed. London: CRC Press; 2006; 645.
8. Williams Charles Evans. Treas and Evans. Pharmacogncy, 15th ed. Elsevier publication, 2008; 21-28.
9. Anonymous. THEW Unani Pharmacopoeia of India, Vol.3, part 1, New Delhi: GOI Ministry Of Health And Family Welfare, Dept of AYUSH, 2007; 88-89.
10. IBN Rashid. Kitab al Kulliyat Urdu Translation New Delhi CCRUM; YNM, 302.
11. Abdul Hakeem, Bustanul Mufradat, New Delhi: Idara Kitab-ul-shifa; 2002; 209-210.
12. Anonymous, Mufradate Azizi, New Delhi: CCRUM: 2009; 70.
13. Abdul Lateef, Qarabadeene Majeedi. 9th ed. New Delhi: All India Unani Tibbi Conference, 1986: 24-28, 43-99, 109-128, 320-399, 410-414.
14. KabeeruddinMukhzan-ul-Mufradat, 2nd ed. New Delhi: Idara Kitab-ul-Shifa 2007; 168.
15. Aziz N, Mehmood MH, Siddiqi HS, Sadiq F, Maan W, Gilani AH. Antihypertensive, antidiyslipidemic and endothelial modulating activities of Orchis mascula. Hypertension Research. 2009; 32(11):997.
16. Agrawal HS, Kulkarni S. Efficacy and safety of speman in patients with oligosperma: An open clinical study. Indian J Clin Pract. 2003; 2(14):29-31.
17. Thakur M, Dixit VK. Ameliorative effect of fructo-oligosaccharide rich extract of Orchis latifolia Linn. on sexual dysfunction in hyperglycemic male rats. Sexuality and Disability. 2008; 26(1):37-46.

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