A REVIEW of Anisoon (Pimpinella anisum Linn) WITH UNANI PRESPECTIVE AND MODERN ON PHARMACOLOGICAL

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ABSTRACT

Anisoon, Pimpinella anisum is a plant which belongs to umbellifera family. In unani medicine it is also known as anisun. It is usually grown for its seeds (aniseeds). It is an annual grassy herb. Since centuries its extract of seed has been used in unani medicine which is a colorless and pale-yellow liquid in nature which has a particular odor and taste. It contains 1.5 to 3.5% volatile oil, 10% fixed oil, protein mucilage and starch. Anisun oil is also used an essential oil which contains transethanol methyl chavicol anisaldehyde estragole coumarins scopoletin umbelliferon estrol etc.

Its therapeutic uses in unani medicine are in sailanur reham (leucorrhea), sudade jigar wa tihal masana wa rahem, istisqa (ascites), bawasir specially bawasir e rehi (piles), qillate laban (insufficiency of lactation), darde shikam (abdominal pain), dama (asthma), nazla (common cold), laqwa (facial palsy), istarkhaeye (paralysis), dawar (vertigo) this present article reviews about all unani literature about Anisoon.

INTRODUCTION

Anisoon is an Arabic word which is commonly known as saunf. Botanical name of anisun is Pimpinella anisum Linn. Anisoon is a dried ripe fruit of Pimpinella plant. It is also called as Souf-e-rumi and Badiyan-e-rumi. Anisoon is a dried ripe fruit of Pimpinella plan and it is one of the oldest

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unani aromatic herbs and belongs to family of umbellifera which is spices and have a long history of an Egyptian and Iranian traditions. Pimpinella an isum is one of oldest unani is annual herb and cultivated in world wide. Anisoon in a medicinal plant and spice. It is a native of Mediterranean region and also grow west Asia the Middle East Mexico Egypt and Spain now a days is used in pharmaceutics perfumery food and cosmetics industries. Anisoon in a medicinal plant and spice. It is a native of Mediterranean region and also grow west Asia the Middle East Mexico Egypt and Spain now a days is used in pharmaceutics perfumery food and cosmetics industries. Anisoon is considered as one of oldest spices as well as medicinal herb green and Roman and Greek physician also using it from centuries ago. The height of this anisun plant is approximately 30-50 cm along with white flowers along with greenish yellowish seed. Its fruits are used as medicine. It has sweet aromatic taste and emits when crushed. It also used for flavoring food agent.

Historically it is used for various disease such as sailanur reham in the form humool and decocion. It is also used in sudade jigar as decocion as it work as a mufatteh-e-sudad. It is commonly used for bawasir-e-rehi(piles) and also helpful in expulsion of fetus unani medicine. Anisoon seeds are also used as analgesic in migraine also calmative, aromatic disinfectant and diuretics in traditional medicine it is mainly used as a form of concoction with hot water. In some traditional book it is also mention that it is used for elanchory, nightmare and as well as for epilepsy and seizures. It also used for gastrointestinal disorder like dyspepsia, gastritis, peptic ulcer.

Vernaculars

- Arabi: Anisoon, Bzre-ur-razyanje Roomi
- Bengali: Muhur, Methajira, Mori
- English: Anis, Aniseeds, Spanish aniseeds, sweet funnel, Anisi, Aniseed
- French: Anis
- German: Anise biberrell
- Gujrati: Anisa
- Hindi: Saunf, Sawolf, Badian, Saurif, Rndan
- Kannada: Shomba
- Latin: Pimpinella anisum linn
- Marathi: Somp, Bedishap
- Nepali: Sop
- Oriya: Sop
- Persian: Badian, Badiyanroomi, Zeera roomi
- Sanskrit: Shatapushpa, Madhurimisi, Karavee, Shatava, Sheptushpa
- Sindhi: Saunf roomi
- Tami: Shomba
- Telugu: kuppi, Sopu

Unani: Anisoon, Badiyaan-e-roomi, Aanis, Omariqa

Taxonomy of Classification:

Botanical name: Pimpinella anisum linn
- Kingdom: Platae
- Division: Magnoliophyte
- Class: Magnoliopsida
- Sub class: Rosidea
- Order: Apiales
- Duration: Annuak
- Family: Umbelliferae
- Sub family: Aappoidaea
- Tribus: Pimpinellaea
- Genus: Pimpinella
- Species: Pimpinella anisum

ETHNO BOTANICAL DESCRIPTION OF ANISOON PLANT:

Pimpinella anisum is grown for its seeds is commonly harvest in august to September. It has flowers and they in are small the inflorescence and they are medium in size and umbels with 7 to 15 in count. Its white color petals about 15mm with ciliated margin. Fruits are avoid is shape and compressed for lateral side 3-5mm in length 2-3 cm broad. It has green to grayish brown color. It's a typical sweet test also a characteristic odor. Seeds touch is rough. It has veery aromatic smell when it crush. Anisoon roost is thin and typical shape like pyriform. Its stem is erect round grooved and branched. They are numerous in count lower are cordate and cuneate lobed middle are innate lobes and upper are tridifare pinnated or ternatelypinnate. Lower are petiolate, orbicular -reniform in shape. Middle leaves are orbicular and 3 lobed or 3 segments with ovate or obovate segment. Upper leaves also have unique figures like they are in short petiole with narrow sheaths also with narrow tip.

HABITATE AND DISTRIBUTION:

This plant is mostly cultivated in the parts of Eastern Mediterranean region, Middle East, France, Spain, Russia, Italy, Bulgaria, Mexico, North Africa, Central and southern Europe, Turkey, China, Japan, Central and South America. In India it is cultivated mostly in Madhya Pradesh, Uttar Pradesh, Punjab and Orissa. This plant is grown from month of October to November in plain areas.

CHEMICAL CONSTITUENT

Anise seed contains 1.5-3.5 volatile oil.10%fixed oil, proteins, mucilage and starch. The volatile oil is steam distillation of anise seeds it is known as oil of anise. Aniseseeds contain 1.5-6.0 %mass of volatile oil consisting trans ethanol.
lipid 8-11 %fatty acid like palmitic acid oleic acid .4% of carbohydrate. 18% protein Essential oil of Anee seeds contains eugenol trans-anethole(93.9%),anisaldehyde estragole (2.4%), coumarins, scopoletin, umbelliferon, estrol terpene hydrocarbons polyenes and polyacetylenes, methyl chavicol anisaldehyde. [5,25,26]

PARTS OF PLANT USED
- Ripe fruit and Dried fruits [1]

MIZAJ (TEMPRAMENT)
- Hot 2nd Degree and Dry 3rd degree [16,27]
- Hot 2nd Degree and Dry 2nd degree [2,27]
- Hot 3rd Degree and Dry 3rd degree [14,27,28,29]

MIQDAR E KHURAK (THERAPEUTIC DOSE)
- Seeds
  - 2-5gms
  - 7-12gms
- Oil:
  - 2-3 drops [25,26,31]

MUZIR (ADVERSE EFFECT)
- Harmful for hot temperament patient.
- Adverse effect on intestine, urinarybladder, stomach and lungs [16,27,30]

MUSLEH (CORRECTIVE)
- Sikanjabeen
- Sauf (illicium verum) [27]

BADAL (SUBSTITUTES)
- Badiyan [4]

AFAL (ACTIONS ACCORDING TO UNANI MEDICINE)
1. Kasir-e-riyah (carminative) [14,15]
2. Mohalil-e-Riyah (Anti Flatulant) [27]
3. Muqawwi-e-med wa fam-e-meda (stomach tonic) [16]
4. Habis-e-shikam (astringent) [14]
5. Mushtahi (appetizer) [10]
6. Mushil (purgative) [14,27]
7. Mufatite hisat (deobsruent) [14,15,27]
8. Musakkin (coral) [15]
9. Mufatite hisat (lithotriptic) [14]
10. Mufatite hisat (lithotriptic) [14]
11. Mufatite hisat (lithotriptic) [14]
12. Mufatite hisat (lithotriptic) [14]

ISTE-MAL (USES ACCORDING TO UNANI MEDICINE)
- It is used in qillate laban (insufficiency of lactation) as a Mudire laban medicine for increase milk production) [14]
- It is used in Aitebas-e-tams for Idrar-e-tams. Its fumigation uses for expulsion of fetus [33,52]
- Anisoon is mostly used for Sailanur reham (leucorrhea). [14, 16, 27,33,34]
- It is also used for Sudade-e-jigar wa tical, masana wa rahem in the form of decoction [14, 15]
- It is used to decrease Istisqa (ascites) [14]
- It is used for treatment Bawasir (piles)especiallyBawasir-e-rehi. Used as abiriyan. [31]
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- It also decreases Dard-e-shikam (abdominal pain) and in Colang (intestinal colic). [31]
- It has good result in Dama (asthma) Khansi (cough). [31]
- It can relief Qabz (constipation). [27]
- It is used in Sar dard e barid (headache), Shaqiq (migraine), Dawar (vertigo). [27]
- Barid nazla (cold) Shaqiq (whooping and cough). [27]
- It has good effect in Falij (paralysis) Laqwa (facial paralysis). [27, 31]
- Wajaul uzan due to trauma (otalgia) [14]
- Darde seena (chest pain), Khafqan (palpitation). [14]
- Malenkholia (schizophrenia), Qaboos (night mare) [14, 27]
- Purani balghame tap (chronic phabamatic fever) [14, 27]
- Daf-e-tashannuj (anticonvulsant) [27, 40]  
- It’s also given good result in clear facial complex. [32]
- It used a Majan for foul smell and cleaning of teeth. [14]

CONCLUSION
Anisoon is well known for its medicinal value or over the world, it is an important drug in unani system of medicine because of its enormous number of action and uncomparable efficacy in different disease. Further more people are more concern about safety of drugs now a days. Therefore, they are inclining towards herbal medicine. Further researches should be conducted on anisoon and on different actions to evaluate its medicinal properties and also to validate the claims of Unani physicians for is different pharmacological action.

CONFLICT OF INTEREST
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