

FORMULATION OF HERBAL SYRUP PROTECT FROM COVID -19

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ABSTRACT

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Novel corona virus disease COVID 19 spread all over the India now at present is spread person to person corona virus disease is a respiratory infection caused by the group of viruses which infected the respiratory pathway. This disease is rapidly spread from infected person contact to another person through sneezing or physical contact the COVID 19 is dangerous disease is spread in world. The corona virus disease in which they enter in nose and mouth through in body then that part they survive 2to 3day after 2 to 3 day then enter in throat and throat pain is start. Then they enter in respiratory system and from difficulty in breathing. The COVID 19 patients' symptoms are show after 14 day to infected to their symptoms are formed fever cough, dry cough

breathing problems, throat pain etc. The corona virus is rapidly divided and from New virus and spread in all respiratory system. Now at present specific medicine or vaccine is not read for to kill corona virus but we all using herbal syrup the herbal syrup have nativity medicine properties the fight against corona virus Herbal syrup is good care the disease maintain the immunity system. The herbal syrup is made by different herb, so it does not from side effect. We are chosen to write a review over the use of herbs for the treatment of corona virus because rapidly spread the infection. The availability of less knowledge for the treatment and creased the concern of public to protect themselves from this virus. And preventing the use of allopathic. The herbal syrup made by the antiviral medicinal property's herbs or immunity booster those properties are present in herbs they are used like organum valgare leap, fennel seed foeniculm valgare, occicum sanctum this herb to protect from corona virus.

KEYWORDS: Anti-viral, COVID 19, Herbal syrup, Immunity booster, respiratory system corona virus.

INTRODUCTION

The traditional medicine plant used by about 60 % of the world population. COVID 19 is a harmful disease spread by everywhere in world. Large countries to villages in the city patient's treatment in hospital but in village patients use the herbal medicine. We start try to herbal syrup. They can protect your life. Some herbs have anti-virus properties are proves the benefits effect these include occicum sanoetam organism valgare, syzygium aromaticm, citrus lemon and eucalyptus.

- 1) **Occicum sanctum:** they can be helping to treat respiratory ailments. They also treat symptoms of asthma, colds, ingestion coughs and throat. They have anti-infective function used as antiviral agent, effective control of viral infection.
- 2) **syzygium aromaticm:** they have antiviral and anticarcinogen property. They also treat colds and drug cough.
- 3) **Eucalyptus:** they have antiviral properties they kill the virus; they treat the asthma, nasal conversation, and cough.
- 4) **Citrus lemon:** they have anti-bacterial anti-viral medicinal properties they help to treat common cold and flu.
- 5) **Foeniculum valgare:** the seed of Foeniculum valgare boost your immunity and decrease inflammation of body they anti septic and anti-viral stimulating properties.
- 6) **Origanum valgare:** they are main herb for effective on viruses they also contain anti-bacterial and anti-viral stimulating properties.

MATERIAL AND METHODS

To collect required plant part and prepare required extract oil or powder each plant. Then formulate the polyherbal syrup for COVID 19.

Plant profile

Sr. no.	Plant	Medicinal properties	Plant used for the symptoms of COVID 19 reduced
1	Talsi	Anti-virus	Fever, cough, cold
2	Oregano	Powerful anti-viral properties	Which fight viral infection
3	Fennel seeds	Booster immunity system	Cough, upper respirator
4	Citrus lemon	Anti-viral, anti-bacterial	Common cold
5	Clove	Anti-viral, anti-septic	Fever, cough
6	Eucalyptus	Viral properties	Nasal congestion sore throat

Excipient profile

Sr. no.	Composition	Uses
1	Glycerol	Lubricants, laxative
2	Hydroxyl ethyl cellulose	Reeling agent
3	Peppermint oil	Flavoring agents' nasal decongestant
4	Sodium benzoate	Preservatives

Formulation of herbal syrup

Sr. No.	Ingredients	Quantity
1	Eucalyptus oil	50ml
2	Origanum powder	50gm
3	Citrus lemon peel oil	25ml
4	Clove oil	20ml
5	Fennel seeds	20gm
6	Occimumsantum leaf	10gm
7	Honey	20gm
8	Glycerol	100ml
9	Hydroxyl ethyl cellulose	2gm
10	Peppermint oil	0.2ml
11	Sodium benzoate	1gm
12	Purified water	Up to 500ml

Formulation process**➤ Plant extract**

- 1) Dispersed a fennel seeds and Occicum sanctum in 50ml Eucalyptus oil boil for 10 min.
- 2) Added the origanum valgare leaf powder mix properly.
- 3) Then filter the solution.
- 4) After filtration added citrus lemon oil then stirring the solution for 5 min.
- 5) Then added honey for taste.

➤ Preparation of active solution

- 1) 2.0g of hydroxy ethyl cellulose in 100ml purified water then added sodium benzoate allow to room temperature for 20min.

- 2) Healed the solution at 60°C.
- 3) Solution is cool at room temperature and added the 100ml of plant extract.
- 4) Properly stirring the plant extract.

➤ **Preparation of final syrup**

- 1) Added the plant extract and cool at 30° to 40°C.
- 2) Added solution of peppermint oil to mixing in vessel under stirring.
- 3) In vessel active solution is added site rinsed with container 10ml purified water added.
- 4) Dispersed Glycerol in vessel solutions and stir for 10 min.
- 5) After stirring required 30°C room temperature at 30min.
- 6) After 30 min transfer in amber color glass bottle.
- 7) Then Store in cool temp at 20° to 30°C.

Evaluation test

- 1) **Color:** it observed for its color by naked eye.
- 2) **Adour:** 2ml of final syrup is smelled individually.
- 3) **Taste:** syrup was taking and examined for its taste on taste bud of tongue.
- 4) **Viscosity:** it is determined by Ostwald viscometer.
- 5) **PH:** was determined by 10ml of final syrup was PH meter.

Evaluation parameter

Evaluation parameter	Observation
Color	Dark yellow, green
Adour	Aromatic
Taste	Intensity Better
PH	6.52
Viscosity	0.98

RESULT

The herbal syrup is protecting your body and they used in primary transmit in Home. Primary treatment we also prevent disease. The herbal syrup is not showing any side effect it is give beneficial effect to body and increase the immunity booster.

CONCLUSION

The herbal syrup is still the 80% countries uses for the primary health care they are better acceptability and better compatibility to human body and no side effect chance are formed after using the syrup. The formulation of syrup contains many anti-viral medicinal properties

herbs were successfully prepared it extract oil or powder. The herbal syrup is protecting themselves from corona virus and beneficial to human body.

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