

Secondary Research Paper-The Clinical Study about the “RHODOLIA ROSEA”in context to Futuristic Homeopathic Medicine to be treat like COVID-19 and Other Symptoms.

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Acknowledge to the Idea Originator:

The idea is to analyse the University Centre of Planning, Integration & Correlation with Center of Integrative Health & Medical Science and Faculty of Pharmaceutical Science, Faculty of Homoeopathic Science, Jayoti Vidyapeeth Women's University, Jaipur jointly made efforts to identify Homoeopathy Medicines for Corona Clinical Management. **“Dr. Garg thoughts** “Drugs formed by the same source in different therapy pharmacopoeias which can be used as a single or with integrated approach to achieve better results”. “on the basis of same source of medicine has been developed from “RHODOLIA ROSEA”, It is well developed medicine in Allopathic. **According to Hypothesis of “Dr.Garg Theory”** same source of medicinal plant “RHODOLIA ROSEA” (root part) can be applicable for Homoeopathic Approaches. We can isolate efficient compound according to Homeopathic Protocols and can apply for covid-19 patients. It will be more effective as an individual or Integrative form of research. **“Dr. Garg thoughts”** Integrated research & strongly recommended and suggested either individual or with form of integration because both medicines are formed from same resource and actions are also same against corona-virus symptoms. Principal Investigator Dr. Panckaj Garg is strongly suggested and recommended same source of the Medicine in modern medicine (which is recommended by the Food Drug Administration as a nucleotide analog, specifically an adenosine analog, evidenced to have broad-spectrum activity against the single-stranded RNA viruses. Current research prospective of the drug on COVID-19 has revealed that it is effective against

certain key enzymes of SARS-CoV-2, that caused COVID-19. and also used worldwide in Clinical Management of Novel Corona virus (COVID-19) in Homeopathic medicines which is used either individual or integration on the basis of “Dr. Garg thoughts”.

HYPOTHESIS:

“Dr.Garg Theory” based on same source of medicine either individual or integrative form **“A hope for a cure “against covid-19.**

Faculty of Pharmaceutical Science, Faculty of Homoeopathic Science, Jayoti Vidyapeeth Women's University, Jaipur, **jointly made efforts to identify Homoeopathic Medicines for the Clinical Management of Corona. “Dr. Garg thinks”** that “RDR” viewed as the most promising treatment for COVID-19, has known and potential side effects and there is no good evidence that RDR reduced mortality in people with COVID-19. According to Hypothesis of **“Dr.Garg Theory”** medicinal plant “RHODIOLA ROSEA” can be applicable for the treatment of Covid-19 through Homeopathic approaches. We can isolate effective compound according to Homeopathic Protocols and can apply for covid-19 management. Rhodiola Rosea has shown marked anti oxidative, adaptogenic and antifatigue effect in the experimental study, this effect can be used to increase the immunity of the patient, can eventually be proved effective in the treatment of Covid-19. It will be more effective as an individual or Integrative form of research. “Principal thoughts of **Dr. Panckaj Garg** has strongly suggested and recommended use of Rhodiola rosea in the treatment of corona individually as Homeopathic medicine as a integrated approach, on the basis of **“Dr. Garg thoughts”**. The need of integration is very important for the prevention and management during containment of Corona Virus (COVID – 19) infection. The Principal thought of **JV’n Dr. Panckaj Garg** always strives for betterment of community and through this project. He is very much committed for community health management and contemplating very seriously about the risk of COVID-19. He wants to serve the nation through effective treatment of Covid-19 with extensive research on herb Rhodiola Rosea.

BACKGORUND

I-Stage of Research according to “Dr. Garg thoughts”. The need of integration is very important for the prevention and management during containment of Corona Virus (COVID – 19) infection. The Hypothetical report covers the accurate investigation of the Homeopathic study integrated with Rhodiola rosea chemical compound responsible for the corona patient’s symptoms. Driven by primary Research “Identification of Ayurveda & Homeopathic Medicine for Clinical Management of Covid-19 need Clinical Trial” context to Rhodiola rosea plant.

II-Stage of Research according “Dr. Garg thoughts” So After that I stage of research, this hypothetical secondary research will based on “The Clinical Study about the “RHODOLIA ROSEA” in context to Futuristic Homeopathic Medicine to be treat like COVID-19 and Other Symptoms.” So these study research effect on COVID-19 different people in different ways. Most infected people will develop mild to moderate illness and recover without hospitalization but in some patients it developed and produces life threatening symptoms.

INTRODUCTION:

Rhodiola rosea, is a medicinal plant with demonstrated nontoxic substance properties, has recently been reported to contain active compounds with antiviral, antimicrobial activity.

The goal of this study was to measure the antiviral properties of the bioactive metabolites of Rhodiola rosea in the persons who are affected by covid-19. Rhodiola roots contain polyphenols, rosavin, rosin, rosarin, organic acids, terpenoids, phenolic acids and their derivatives, flavonoids, anthraquinones, alkaloids, tyrosol, and salidroside. Polyphenols also work as anti-oxidant and anti-cancer. In older study on polyphenol improvement in the reduction of the viral concentration was observed.

Rhodiola rosea common name golden root, rose root, roseroot, Aaron's rod, Arctic root, king's crown, lignum rhodium, orpin rose is a perennial flowering plant in the family Crassulaceae. It found at high altitudes in the Arctic and mountainous regions throughout Europe and Asia. It has historically been used to treat a range of conditions, including fatigue, depression and anxiety, impotence, and nervous system disorders. Rhodiola rosea has also received attention for its

potential adaptogenic and ergogenic properties including the enhancement of physical and mental performance and reduction of fatigue.

CHEMICAL CONSTITUENTS OF RHODOLIA ROSEA on the behalf of COVID-19 Pandemic:According to “Dr.Garg Thoughts” Saledreside is a glycoside of tyrosol found in the plant Rhodiola rosea. It is thought to be one of the compounds responsible for the immunity boosting and antiviral actions of this plant, along with salidroside. Salidroside, a major bioactive component of **Rhodiola rosea** has been reported to modulate the expression of **antiviral** cytokines, such as $IFN\gamma$, and $TNF\alpha$, and inhibit the replication of coxsackievirus B3 perhaps through modulation of oxidative stress.

According to Hypothesis of “Dr.Garg Theory” same source of medicinal plant “RHODOLIA ROSEA” can be applicable for Homeopathic Approaches .We can isolate efficient compound according to Homeopathic Protocols and can apply for covid-19 patients. It will be more effective as an individual or Integrative form of research

OBSERVATION OF IInd STAGE OF RESEACH: IN Rhodiola rosea,one component “salidroside” is made up of glucoside of tyrosol. So glucoside of tyrosol is also present in these type of homeopathic medicines mentioned below and these medicines are available to cure below mention symptoms. So this Dr. Garg Hypothesis is strongly recommended for the preparation of Homeopathic medicine made by Rhodolia Rosea for the cureness of Covid-19 symptoms, same as this medicine also correlated with this chemical compound on emphasized proper corona symptoms.

Salidroside(Main active compound responsible for the Immunity and Antiviral Activity)Salidroside is also known as RHODIOLOSIDE.It is a GLUCOSIDE OF TYROSOL found in Salidroside for the improved parameters of immunity. Salidroside are also responsible to combat against various respiratory diseases, Anti-Inflammatory disease.

According to mentioned details, Some where these homeopathic medicines have similarities in composition with Rhodolia Rosea main active component of Salidroside .Dr.Garg Hypothesis correlates the connection in between Rhodolia Rosea and these homeopathic medicines .so Rhodolia Rosea with signified component of salidroside can also be used for the preparation of

homeopathic medicines for Pneumonia, chilly fever, Difficulty in breathing, Cold cough, Bronchial Asthma and also treated with antiviral activity.

So possibility it will give promising results in curing covid-19 symptoms. Traditional, medicine has many benefits but need to establishing their efficacy and safety against COVID-19 through clinical trials. Rhodiola Rosea has shown marked anti oxidative, adaptogenic and antifatigue . The need of integration is very important for the prevention and management to integrated approach to achieve better results”. Promising treatment for COVID-19 has known and potential side effects and there is no good. Medicinal plants such as Rhodolia Rosea can also being considered as possible treatments for COVID-19 and can be tested for efficacy and any possible adverse side effects. Use medicines tested to the same standards such as Homeopathic medicinal preparation has no any side effect comparison with allopathic medicine as people in the cure rest of the world. Even if therapies are derived from traditional practice and natural, establishing their efficacy and safety through rigorous clinical trials need for the betterment of community from covid Pandemic.

Main component salodroside will be responsible component for preparation of homeopathic medicine for curing covid-19 because it has similarities with homeopathic medicine preparation .Along with Dr.Garg Hypothesis strongly support and suggest to Rhodolia Rosea as a promising agent for treatment of covid 19 syptoms because of main component of salidroside present with Glycoside of Tyrosol .Thats why along with all these evidence “Dr.Garg Theory” indicates proven hypothesis regarding use of Rhodolia Rosea main component molded as a form of homeopathic medicine without any side effect and adverse effect .

Dr.Garg Hypothesis also suggest used of Rhodolia Rosea as homeopathic medicine instead of allopathic medicine because I t has side effects in modern medicine. but no any side effects has been reported in homeopathic preparation.

This Present study Enthusiased people and Government agency to concentrate on this hypothesis and work on this with your zeal and dedication efforts. In this study will go on higher and regular basis so it will give a huge positive impact on health betterment of the community during this world wide pandemic Problem.

It is Hypothetical proven Theory according to Dr.Garg Hypothesis

In Rhodolia Rosea **Arsenic component** will be responsible component for clinical treatment of covid-19 which is similar with Homeopathic Preparation Arsenicum Album source of preparation of homeopathic medicine for curing covid-19 because it has similarities with arsenic compound present in Rhodolia Rosea .Along with Dr.Garg Hypothesis strongly support and suggest to Rhodolia Rosea as a promising agent with some hypothetical research for treatment of covid 19 syptoms.

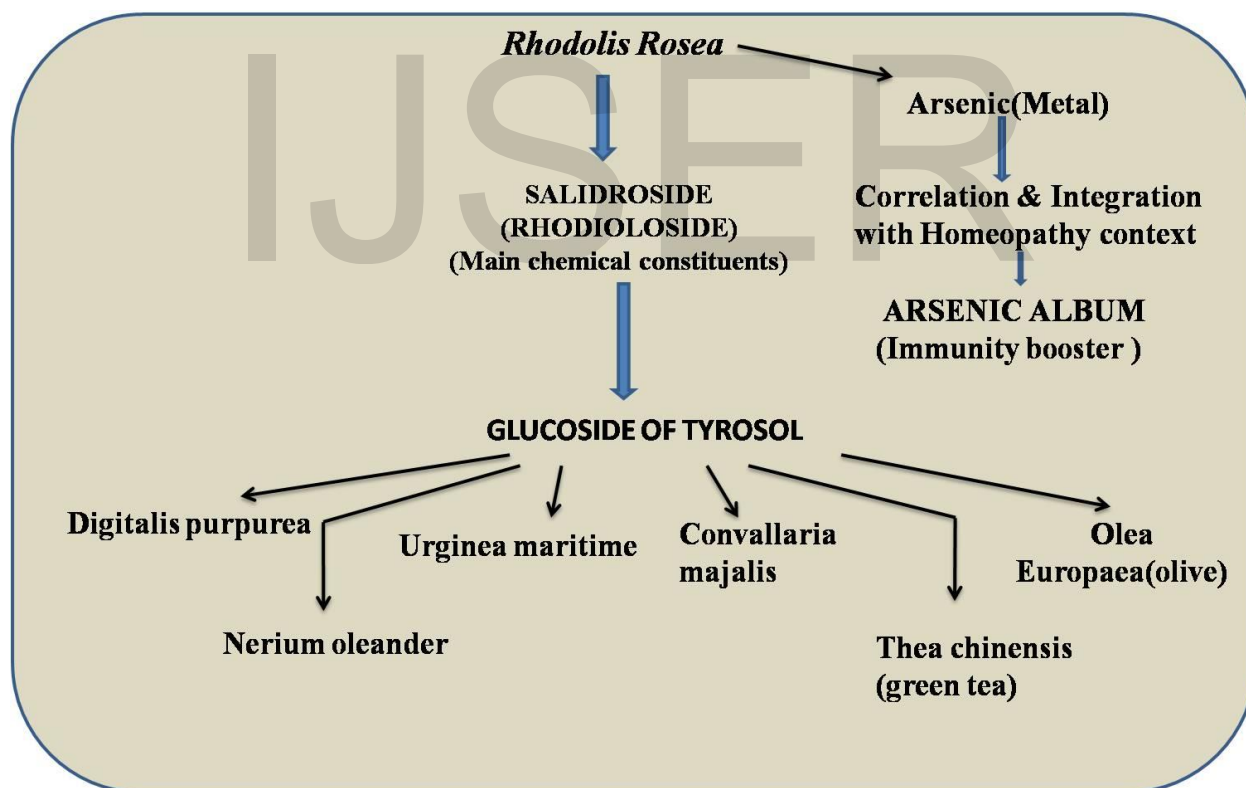


Figure: 1 Correlation of compounds context to Homeopathic medicine

ARSENIC ALBUM (“Immunity booster):Homeopathy is a system therapeutic methods that stimulate the immunity of the body. The principle of homeopathy, the principle of similars,

advises that a minimum dose of a substance will stimulate the vital force to enhance the immunity of the body. This principle is also seen in the vaccinations and allergy treatments, hence homeopathic medicines are both significantly smaller and safer in dose and individualized to the patient for treatment. Ayush Ministry has propose Arsenicum as a immunity booster and prophylactic aspect. Hahnemann put the guidelines for epidemic prescribing in Aphorism 100-102. Hahnemann had treated much case of epidemic diseases in his time and use medicines as preventive aspect. So in current scenario after study of many patients and resemblance of symptoms with Arsenicum, we can use as a immunity booster medicine. In today's epidemic outburst circumstances, there is a need of Integration and Homeopathy to come together to cure COVID-19. There are many approaches of these three medical sciences which can be used together to find out the way for fighting against COVID-19. From the many years ARSENICUM ALBUM has been frequently indicated, and frequently used in many types of diseases. Arsenic affects every organ of the body. There are certain characteristics in this medicine such as anxiety, restlessness, prostration, burning, weakness. Arsenic Album showed effectiveness in various types flu symptoms, if the symptoms are associated with fear, anxiety, restlessness. So after study of so many patients we can make a collective symptom picture. Central Ayush Ministry has propose the use of Arsenic as preventive in COVID-19, everyperson has anxiety, fear, about getting the infection. This medicine has many symptoms of common cold as well as many symptoms of respiratory organs, like shortness of breath, whistling, wheezing breathing and so many other symptoms.

As we know that there is no specific treatment for COVID – 19 at present time. All the system of medicine are advised to raise immunity for the prevention of COVID -19 viral infection. As per Homeopathy concerned that we have some medicines for which we can improve immunity as well as use as a prophylactic. To accomplish this we will go to our surrounding areas at regular interval and we will conduct a general survey about weak, debilitated persons, young childrens and old age person. After that we will give Ars. Album 30 potency them on empty stomach. After giving the medicine we will go to visit surrounding areas at regular interval to know the effect of medicine. Now we can say Homeopathic medicine Arsenic album will effective in boosting immunity.

Homeopathic medicines may inhibit the coronavirus replication and could control its growth and spread. Anticipated outcomes significant will be bronchodilator activity in mild and moderate bronchial asthma. Induce significant rise in the antibody titer and also immunostimulation in cattle suffering from the

subclinical mastitis as well as increased IL-2 gene expression and heightened IL-2 production. Arsenicum album 30C, a homeopathic solution prepared by diluting aqueous arsenic trioxide until little or no arsenic remains that is used in respiratory disorders and has been in widespread use for more than 220 years with a good safety record, was found to be an effective prophylactic during the swine flu epidemic in India in 2009. A study conducted by Robert Mathie of the British Homeopathic Association and his group, in collaboration with the CCRH, reported in Homeopathy that of the various homeopathic medicines given to patients with swine flu symptoms, Arsenicum album was most successful in reducing fever, cough, runny nose, sore throat, and headache. There was no control arm. In another, placebo-controlled trial conducted by the CCRH, homeopathic medicines were also found to reduce flu-like symptoms.

Table1: Description of Homeopathic medicine correlation with Rhodolia Rosea

S.No.	Plant Name	Botanical Name	Useful Part	Chemical Compound	Correlated symptoms of Covid-19	Uses according to Homeopathic literature	Modern Symptoms
1.	Golden Root	<i>Rhodolia Rosea</i>	Root	Salidroside (Rhodiololide) Glucoside of Tyrosol	Antiviral activity, Immunity boosting, lungs problem	NA	Found Modern evidences
2.	Foxglove	<i>Digitalis Purpurea</i>	Leaves	Glucoside of Tyrosol	Antiviral activity, Immunity boosting, lungs problem	<ul style="list-style-type: none"> • Pneumonia • Dyspnoea • Chronic bronchitis • Congestion of the lungs • Chilly fever • Difficulty in Breathing 	Found Modern evidences
3.	Oleander	<i>Nerium oleander</i>	Leaves	Glucoside of Tyrosol	Cough, Common cold & Flu	<ul style="list-style-type: none"> • Throat infection • Violent Cough • Difficulty in Breathing • Viral fever 	Found Modern evidences
4.	Lily of the valley	<i>Convallaria majalis</i>	Root	Glucoside of Tyrosol	Cough, Common cold & Flu	<ul style="list-style-type: none"> • Throat infection • Difficulty in Breathing • Pulmonary congestion • Wheezing or gasping for breath 	Found Modern evidences
5.	Squilla	<i>Urginea maritime</i>	Root	Glucoside of Tyrosol	Immunity Stimulator Anti Viral Common Cold, Respiratory Discomfort	<ul style="list-style-type: none"> • Bronchial asthma • Pneumonia • Shortness of breath on every exertion cough 	Found Modern evidences

						during day •Difficulty in Breathing •Bronchitis	
6.	Olive herb	<i>Olea Europaea</i>	Fruit	Glucoside of Tyrosol	Immunity Stimulator Anti Viral Common Cold, Respiratory Discomfort	•Asthma •Antiviral •Antibacterial •Work as anti-inflammatory	Found Modern evidences
7.	Green tea	<i>Thea chinensis</i>	Fruit	Glucoside of Tyrosol	Immunity Stimulator Anti Viral Common Cold, Respiratory Discomfort	•Diphtheria •Edema of respiratory tract •Dry cough •Bloody expectoration •Difficulty in Breathing •Viral fever	Found Modern evidences

1. Digitalis Purpurea:

Procedure- for preparation of mother tincture take 100 gram of coarse powder of digitalis purpurea and mix with purified water (567ml) and strong alcohol in old method under the class first. For making potencies take one part of mother tincture mix with four part of purified water and five parts of strong alcohol.

Climatic condition of plant of digitalis purpurea : Distribution In India, it is cultivated in Outer Hills of Kashmir Himalayan Region Nilgiri Hill Region (Tamilnadu). It is also found in European countries, England, France, Germany, and North America. It requires a well drained sandy soil rich in organic matter. pH range of soil is 5.5-6.5. It prefers a temperature range of 20–30 °C for better growth and development. Sowing Time Direct sowing : July– August ,Nursery sowing: February Harvest Harvesting extends upto 2 years. 8 - 10 cm long leaves (excluding petiole) are collected between July and August from the first year crop and second harvest taken one and half months later. Dry the leaves by passing hot air at 60°C. About 2 - 3 harvests can be done during the first year and 2 harvests during the second year.

2. Nerium oleander

Climatic condition of plant (Nerium oleander): A tender plant, Nerium oleander can survive light frosts, but show signs of frost damage. It is a common landscape plant in tropical and subtropical climates and grows in a wide range of soils. It can withstand drought and salt spray, being widely used in coastal areas, and reacts well to full sun or partial shade.

General Description: Nerium oleander, commonly known as oleander, is a highly toxic plant that has been cultivated since ancient times. Nerium oleander is a highly toxic ornamental shrub widely cultivated in the Mediterranean. It has been grown since ancient times and features in many of the Roman wall paintings in Pompeii. Alexander the Great in his military campaigns is said to have lost men as a result of eating meat skewered on highly poisonous Nerium twigs.

Species Profile

Geography and distribution

Native to the Mediterranean region, Iran, the Indian subcontinent and southern China.

Description

Overview: An evergreen shrub (or small tree) that grows to approximately 6 m. A sticky latex is exuded if the stem is cut. Leaves: Leaves are usually in groups of three and narrowly lanceolate. Flowers: The flowers are tubular with five lobes, red or pink in the wild, but may be white, cream, yellow or purple in cultivars, and double forms have also been selected. Some are scented. Fruits: The fruit is composed of a pair of follicles that split along one side to release the seeds. The seeds are oblong, with a plume of hairs at one end. Threats and conservation Oleander is not threatened globally. Plants are threatened in the wild in some areas through excessive development, but will persist in cultivation.

Uses Ornamental

Nerium oleander is widely cultivated as an ornamental shrub or as an informal hedge in warm-temperate and dry subtropical regions, and as a plant for the conservatory in cooler climates. In Western Sahara the ash from Nerium oleander is mixed with saltpetre to make gunpowder. Two collections of Nerium oleander seeds are held in Kew's Millennium Seed Bank based at Wakehurst in West Sussex. See Kew's Seed Information Database for further information on

Nerium oleander seeds.Cultivation, A tender plant, Nerium oleander can survive light frosts, but show signs of frost damage. It is a common landscape plant in tropical and subtropical climates and grows in a wide range of soils. It can withstand drought and salt spray, being widely used in coastal areas, and reacts well to full sun or partial shade. The species can be propagated by semi-ripened cuttings in summer or seeds. Hard pruning helps to maintain its shape.

Distribution: China, India

Ecology:Found mostly in seasonally dry rocky watercourses, in full sun.

Conservation:Least Concern according to IUCN Red List criteria.

Hazards:All parts of the plant are extremely toxic if eaten; contact with the sap may cause dermatitis; avoid inhaling smoke if burning plants.

Climatic condition of plant (Convallaria majalis) :

- Common Name: lily of the valley
- Type: Herbaceous perennial
- Family: Asparagaceae
- Native Range: Central Asia, Europe
- Zone: 3 to 8
- Height: 0.50 to 1.00 feet
- Spread: 0.75 to 1.00 feet
- Bloom Time: April
- Bloom Description: White
- Sun: Part shade to full shade
- Water: Medium
- Maintenance: Low
- Suggested Use: Ground Cover, Naturalize
- Flower: Showy, Fragrant, Good Cut
- Tolerate: Rabbit, Deer, Heavy Shade, Erosion, Clay Soil, Dry Soil

Easily grown in moist, fertile, organically rich, well-drained soils in part shade to full shade. Performs well in sun-dappled shade. In optimum growing conditions, it will spread rapidly by rhizomes, almost to the point of being weedy, to form dense colonies in the landscape. Tolerates a wide range of soil conditions, including dry and clay soils. This is a long-lived plant which naturalizes easily in woodland areas and may be left undisturbed for many years. Flowering may decrease over time, however, at which point dividing the plants may become appropriate. This is a cool weather perennial which is not recommended for growing in hot and humid summer climates south of USDA Zone 7a where it will perform poorly. May easily be propagated in spring or fall by root division. *Convallaria majalis*, commonly known as lily-of-the-valley, is a rhizomatous herbaceous perennial that typically forms an indefinitely-spreading ground cover to 8-12" tall. It is native to Europe, but has escaped cultivation and naturalized over time throughout much of temperate eastern and central North America plus parts of the Northwestern U.S. Foliage and flowers make this attractive and beloved shade garden wildflower. Each plant has 2 to 3 parallel-veined lanceolate-ovate to elliptic green leaves (to 5-10" long and to 1-3" wide). In spring, an erect to slightly arching flowering stem rises from the center of each leaf clump bearing a one-sided raceme (to 4-9" long) of nodding, bell-shaped, sweetly fragrant, white flowers (corollas to 1/3" long) which bloom in early to mid-spring. Each raceme typically contains 5-10 flowers. Globoid orange-red berries may appear in fall, each berry containing 1-6 seeds.

4. Urginea maritime:-

Climatic condition of plant (Urginea maritime) : *Urginea maritima* is a BULB growing to 1 m (3ft 3in) by 0.3 m (1ft). It is hardy to zone (UK) 9. It is in leaf from October to July, in flower from September to October. The species is hermaphrodite (has both male and female organs) and is pollinated by Bees. It is noted for attracting wildlife. Suitable for: light (sandy) and medium (loamy) soils and prefers well-drained soil. Suitable pH: acid, neutral and basic (alkaline) soils. It cannot grow in the shade. It prefers dry or moist soil. The plant can tolerate strong winds but not maritime exposure.

5. Olea Europaea:

Climatic condition of plant (Olea Europaea): Olive having a natural plant of the Mediterranean region grows where Mediterranean climate conditions prevails. Climate is one of the important ecological factors affecting the cultivation and characteristics of olives. Aim of this study is to present the effects of temperature conditions on the phenological and pomological characteristics of certain types of olive in Turkey. For this purpose, temperature data from six meteorological stations in important olive growing areas in Turkey (Gemlik, Edremit, Milas, Antalya, Antakya, Nizip) were analyzed and compared. The data gathered from these stations on minimum, maximum and average temperatures, freezing days, and average values between lowest and highest temperatures were assessed. The phenologic and pomologic characteristics of the olives were taken into account. Extreme, high and low values relating to temperature negatively affect the growth, quality and yield of the olive. Negative effects resulting from low temperatures take the form of excessive shedding of leaves, cracking of skin and the death of thick branches. High temperature values specifically cause reduction of the size of the olive fruit. Temperatures that decreasing to $-14,6^{\circ}\text{C}$ in Antakya is a risk factor for the Saurani (Savrani) variety of olive which is sensitive to the cold. With an absolute minimum temperature of $-12,5^{\circ}\text{C}$, in Nizip between December and March more regularly fell below -7°C . Also, in Edremit, where the risk is lower for low

6. Thea chinensis

Climatic condition of plant (Thea chinensis): Without cutting, this plant grows to a tree size of 15 to 20 metres. It needs warm temperatures and tropical climate. It was discovered in 1823 as a grown tree in the jungle of Northern India. Only a few years later it was already cultivated. The Assam plant requires hot and humid conditions and its leaves are larger than that of the China tea plant. As is usual with a high-quality natural product, the tea plant, with its dark, ridged and leather-like leaves, is not humble with respect to its environmental demands. Its preferred climatic conditions can be described as the "camelia-climate": average temperatures of at least 18°C , none or very rare frost, annual precipitation of at least 1,600 litres spread evenly over the year, an average sunshine of 4 hours daily and very well drained, permeable and acidic soil. In order to create finer, more aromatic and more robust varieties, the two original plants were often interbred. The so-created Assam-hybrid proved especially adequate and provides the basis for almost all tea cultivations in the world today. Today, the plants are multiplied by cloning.

“According to Dr.Garg Hypothesis” Dr.Garg is currently working in own research institutions with their professional Research team to select traditional medicine products which can be investigated for clinical efficacy and safety for COVID-19 treatment. In addition, the Organization will continue to support community as they explore the role of traditional health practitioners in prevention, control, and early detection of the virus as well as case referral overcome procedure during this pandemic.

Over the First stage of Research on the basis of this present work, Dr.Garg has been working with their research team to ensure safe and effective traditional medicine development with integration of Homeopathic medicine as same as possible treatment along with Rhodolia Rosea Component focus on Immunity boost and Antiviral Activity by providing findings of research resources and technical support. Dr.Garg always supported the need of clinical trials, leading to Rhodolia Rosea traditional medicine which can meet international and national zeal requirements for this Proven Hypothesis. And also included in national essential medicines lists by the respective Pharmacopoea. These compounds are now part of the Rhodolia Rosea to treat patients with a wide range of diseases including malaria, ebola opportunistic infections related to this covid pandemic, diabetes, sickle cell disease and hypertension.

As the Dr Garg better efforts are under way to find treatment for COVID-19 may be success according to correlated findings integrated with Homeopathic medicine , caution must be taken against misinformation, especially on social media and our traditional literature belongs to ancient correlation , about the effectiveness of certain remedies ideas . Many plants and substances are being proposed without the minimum requirements and evidence of quality, safety and efficacy with the Rhodolia rosea chemical compound. The use of products to treat COVID-19, which have not been robustly investigated can put people in danger, giving a false sense of security and distracting them from hand washing and physical distancing which are cardinal in COVID-19 prevention, and may also increase self-medication and the risk to patient safety.

Dr.Garg Hypothesis is always give every opportunity to collaborate with government agencies and researchers to develop new therapies and encourages such collaboration for the development of effective and safe therapies for COVID-19 Pandemic in world wide.

This Hypothesis main target to agree to undertake relevant research and require national medicines regulatory agencies to need of trial approval for the medicines in line with Homeopathic standards, which include the product following a strict research protocol and undergoing tests and clinical trials. These studies normally involve on the symptoms of COVID-19 Patient under the monitoring of the national regulatory authorities and may take quite a few months in an expedited process.

A novel approach to the treatment of corona one which makes use of Homeopathic compound in integrative forms. The present study investigated the effect of *Rhodiola rosea* L. hydroalcoholic extract (RHO) on covid symptoms may be help of integration medicine according to hypothetical research. In a first stage of Research According to **Dr.Garg Hypothesis, “Identification of Ayurveda & Homeopathic Medicine for Clinical Management of Covid-19 need Clinical Trial”** context to *Rhodiola rosea*. In a second stage of Research “**The Clinical Study about the “RHODOLIA ROSEA”in context to Futurastic Homeopathic Medicine to be treat like COVID-19 and Other Symptoms.**” “Combination therapy may be proving to be an important strategy in the treatment of COVID-19,” said according to “Dr.Garg Theory”. “Especially in severe disease where there may be need for the antiviral and immunomodulatory approach.”

Future scope of Research study:

The future scope of this study is to see the action of antiviral activity of *Rhodiola rosea* on covid 19 symptoms as mentioned above This work is done with the help of clinical trial of the patients those affected by corona virus. It is a integrated approach of Homeopathic science with same compound along with main bioactive compound of *Rhodiola Rosea* component like Salidroside responsible for the antiviral activity and immunity boosting activity against COVID-19 Pandemic. This Hypothetical study Enthused people to feel passionate and research about cureness of life, from this pandemic. They do everything with a good attitude and good energy on this research. According to “Dr.Garg research hypothesis” and feel motivated to go further for grateful efforts for clinical trial permission for the betterment of community. It’s our recommendation to respective authorities to permit us for this trial or give consent to other research organizations to work on it for the community management.

Summary & Conclusion for the Clinical Trial: This Hypothetical research is being submitted to AYUSH Ministry, Govt.of India and CCRH to focus on the development of an effective treatment as well as preventive therapy for Covid-19 patients. . In today’s epidemic outburst circumstances, there is a need of Homoeopathy medicine with integration to come together to cure COVID-19. The Futuristic study According to “Dr.Garg Hypothesis “We can determine the efficacy of *Rhodiola rosea* root as efficient Integrative medicinal approach along with Homeopathy.

REFERENCE:

- JV'n Dr Panckaj Garg, JV'n Preeti Singh, Identification of Ayurveda & Homeopathic Medicine for Clinical Management of Covid-19 need Clinical Trial, International Journal of Scientific & Engineering Research Volume 11, Issue 6, June-2020.
- Chen N., Zhou M., Dong X., Qu J., Gong F., Han Y. Epidemiological and clinical characteristics of 99 cases of 2019 novel coronavirus pneumonia in wuhan, China: a descriptive study. *Lancet*. 2020; 395:507–513.
- De Bock K, Eijnde BO, Ramaekers M, Hespel P. Acute *Rhodiola rosea* intake can improve endurance exercise performance. *Int J Sport Nutr Exerc Metab*. 2004;14(3):298–307.
- Dong E., Du H., Gardner L. An interactive web-based dashboard to track covid-19 in real time. *Lancet Infect Dis*. 2020
- Mao JJ, Xie SX, Zee J, Soeller I, Li QS, Rockwell K, Amsterdam JD. *Rhodiola rosea* versus sertraline for major depressive disorder: a randomized placebo-controlled trial. *Phytomedicine*. 2015;22(3):394–9.
- Olsson EM, von Scheele B, Panossian AG. A randomised, double-blind, placebo-controlled, parallel-group study of the standardised extract shr-5 of the roots of *Rhodiola rosea* in the treatment of subjects with stress-related fatigue. *Planta Med*. 2009;75(2):105–12.
- Panossian A, Wikman G, Sarris J. Rosenroot (*Rhodiola rosea*): traditional use, chemical composition, pharmacology and clinical efficacy. *Phytomedicine*. 2010;17(7):481–93.

- Saratikov AS, Krasnov EA, Chnikina LA, Duvidson LM, Sotova MI, Marina TF, Nechoda MF, Axenova RA, Tscherdinzeff SG. Rhodiolid, a new glycoside from *Rhodiola rosea* and its pharmacological properties. Pharmazie. 1968;23:392–5
- Xu B., Gutierrez B., Mekar S., Sewalk K., Goodwin L., Loskill A. Epidemiological data from the covid-19 outbreak, real-time case information.
- Zhou P., Yang X.L., Wang X.G., Hu B., Zhang L., Zhang W. A pneumonia outbreak associated with a new coronavirus of probable bat origin. Nature. 2020;579:270–273.
- Panossian a, wikman g, sarris j. Rosenroot (*rhodiola rosea*): traditional use, chemical composition, pharmacology and clinical efficacy. Phytomedicine (2010).
- Diwaker d, mishra kp, ganju l, singh sb. *Rhodiola* inhibits dengue virus multiplication by inducing innate immune response genes *rig-i*, *mda5* and *isg* in human monocytes. Arch virol (2014).
- Antiviral effects of polyphenols: development of bio-based cleaning wipes and filters, Oct 2014.
- Homeopathic pharmacopeia.
- Organon of medicine 6th edition.
- https://www.researchgate.net/publication/324049007_Identification_of_Ellagic_Acid_from_Plant_Rhodiola_rosea_L_as_an_Anti-Ebola_Virus_Entry_Inhibitor
- Charak Samhita Chikitsasthan, Chapter3
- https://www.researchgate.net/publication/341066832_Inhibition_of_COVID-19_RNADependent_RNA_Polymerase_by_Natural_Bioactive_Compounds_Molecular_Docking_Analysis

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