



## RESEARCH ARTICLE

# A NANO BOTANICAL COMPOSITION AND OZONATED OIL FOR TREATMENT OF CORONA VIRUS COVID-19

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## Abstract

The present invention relates to a nano botanical naturaceutical composition and an ozonated oil mix for treatment of coronavirus COVID-19. The composition for treating coronavirus COVID-19, preferably formed of powder or capsules, Graviola Leaf Powder, Raspberry Fruit Powder, Green Tea Leaf, Curcumin, Beta-glucans, Garlic Bulb Powder, Panax ginseng Root, Mushroom Powder, and Olive leaf or extract of them. The botanical composition is taken orally in form of capsules. The oil is used inside an ultrasonic nebulizer for inhalation process.

Keywords: Corona virus, COVID-19, Disease outbreak, Infectious disease, Pandemic

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## 1 | INTRODUCTION

The COVID-19, an ongoing pandemic [1] caused by a novel corona virus SARS-CoV-2 [2], has hit hard the entire world with the great powers as no exception. The disease was first identified in Wuhan City of China in December 2019 and reported as pneumonia of unknown etiology [3]. The health authorities in China confirmed the identification of a new virus 2019-nCoV belonging to the corona virus [4] family which also includes viruses that caused SARS and MERS outbreak in 2003 and 2012 respectively [5].

## 2 | GLOBAL SITUATION AND TRENDS

The COVID-19 pandemic has been met by unequal responses in different countries and led to unequal

impacts, with populations in Europe, the USA, and Latin America disproportionately impacted. Science has uncovered much about SARS-CoV-2 and made extraordinary and unprecedented progress on the development of COVID-19 vaccines, but there is still great uncertainty as the pandemic continues to evolve. COVID-19 vaccines are being rolled out in many countries, but this does not mean the crisis is close to being resolved. We are simply moving to a new phase of the pandemic.

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What emerges next will partly depend on the ongoing evolution of SARS-CoV-2, on the behavior of citizens, on governments' decisions about how to respond to the pandemic, on progress in vaccine development and treatments and also in a broader range of disciplines in the sciences and humanities that focus both on bringing this pandemic to an end and learning how to reduce the impacts of future zoonoses, and on the extent to which the international community can stand together in its efforts to control COVID-19. Vaccines alone, unless they achieve high population coverage, offer long-lasting protection, and are effective in preventing both SARS-CoV-2 transmission and COVID-19, will not end the pandemic or allow the world to return to "business as usual". Until high levels of global vaccine-mediated protection are achieved across the world, it could be catastrophic if measures such as mask wearing, physical distancing, and hand hygiene are relaxed prematurely. Countries, communities, and individuals must be prepared to cope in the longer-term with both the demands and the consequences of living with such essential containment and prevention measures. (6)

### 3 | BACKGROUND OF THE INVENTION

Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus. Most people infected with the COVID-19 virus experience mild to moderate respiratory illness and recover without requiring special treatment. Older people, and those with underlying medical problems like cardiovascular disease, diabetes, chronic respiratory disease, and cancer are more likely to develop serious illness.

The COVID-19 virus spreads primarily through droplets of saliva or discharge from the nose when an infected person coughs or sneezes, so it's important that you also practice respiratory etiquette (for example, by coughing into a flexed elbow). At this time, there are number of different vaccines or treatments for COVID-19 are available but could not prevent disease from spreading. However, there are many ongoing clinical trials evaluating potential treatments. WHO will continue to provide updated information as soon as clinical findings become available.

Coronavirus is continuing its spread across the world, with nearly four million confirmed cases in 187 countries. More than 475,000 people have lost their lives. The United States alone has more than 1.2 million confirmed cases - five times as many as any other country. Around 170 countries now have confirmed cases of COVID-19. Inside China the number of new infections has rapidly slowed down, but there are major outbreaks in Italy, the United States, Spain, Germany India, Brazil and Iran. New infections in Europe and the United States are likely to increase exponentially over the coming weeks, while clinical trials and approval processes for the antiviral drugs currently in development may take several months yet.

The fundamental shock to the world's financial and economic system is the recognition that global supply chains and distribution networks are deeply vulnerable to disruption. The coronavirus pandemic will therefore not only have long-lasting economic effects, but lead to a more fundamental change. There is a race among countries to find a cure or vaccine to treat or prevent this pandemic dangerous disease. In a previous research the Inventor tried this formulation on 12 HIV/AIDS virus patients in the Sudanese AIDS National Center 10 years ago (lab results are shown in the published paper)(7)

#### **Many factors will determine the overall outcome of the pandemic:**

1. Till this moment big phrmas could not arrive at an efficient drug to cure or treat the huge number of infected cases worldwide.
2. Lack of cooperation to develop efficient drugs for Covid-19 among countries and pharmaceutical companies.
3. Lack of money in many poor countries to buy drugs or vaccines.
4. Suspicious aspects raised by a big number of scientists and medical doctors worldwide about the mRNA-based vaccines safety and efficacy since were studied for a short period of time and they did not build a long term reliable data.

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5. Commercial conflicts and competition among vaccines and drugs companies.
6. Confusion among all countries about successful means to control virus spreading.
7. Closing economies and locking down millions of healthy people created economic crisis and social problems; for example 32 million people lost their jobs in United States.

### 4 | SIDE EFFECTS FROM ANTIRETROVIRAL CHEMICAL DRUGS CAN INCLUDE

- Hypersensitivity or allergic reactions, with symptoms such as fever, **nausea**, and **vomiting**.
- Appetite loss
- Fatigue
- Mood changes, including depression and anxiety
- Trouble sleeping
- High Lipid;cholesterol and triglycerides
- rash
- diarrhea
- bleeding.
- bone loss.
- heart disease.
- high blood sugar and diabetes.
- lactic acidosis (high lactic acid levels in the blood)
- kidney, liver, or pancreas damage

Bad and bitter experience of chemical drugs and painful side effects lead us to formulate a safe and effective natural alternative 10 years ago which we called **IMUTECH**; which stands for **Immunity Technology**.

Using compositions including immunity enhancer extracts ;such as Graviola Leaf Powder, Raspberry Fruit Powder, Green Tea Leaf, Curcumin, Beta-glucans, Garlic Bulb Powder, Panax ginseng Root, Mushroom Powder, and Olive leaf. It relates to the field of therapeutic natural products, particularly to plant extracts effective in treating and preventing COVID-19 and/or conditions associated there with.

### 5 | OBJECTS OF THE INVENTION

Primary object of the present invention is to provide a composition to enhance immunity and fight viruses. Another object of the present invention is to provide a process for the preparation of the herbal composition for treating COVID-19 VIRUS of all of its types and mutations.

### 6 | BREATHE EASY OIL

It is composed of an ozonated mix of Eucalyptus, Peppermint, Tea Tree, Lemon, Pine Needle, Cardamom and Laurel Leaf essential oils. These oils do possess antiviral power, immunity enhancing excellent effect besides they ease the breathing process which is highly needed by COVID-19 PATIENTS. One of the purposes of this invention is to provide the nebulizer oil therapy for eliminating viruses and widening lung bronchial passages. Ultrasonic transmission activates or excites the oil vapor to increase its effectiveness in widening lungs bronchial passages therapy.

### 7 | EXAMPLES OF PRE-CLINICAL RESULTS

A multi-national clinical study was conducted on more than 600 COVID-19 cases in Dubai, Abu Dhabi, Jordan, Turkey, Russia, Moldova, USA, Palestine Syria and Kuwait between May 2020 and May 2021 with 100% success rate including ICU cases. The following examples are chosen to assist in understanding the invention but are not intended to, and should not be construed to; limit in any way the invention as defined by the claims.

The effect on COVID-19 patients was dose dependent, and session-period dependent. Nano herbal mix capsules were taken 3 times daily to treat coronavirus for three day-course. Inhalation 25 minute sessions by nebulizer using ozonated oil was made 5 times daily for 3 days and recently for 48 hours only.

#### Case 1

The first patient was a female medical doctor, Dr.I. Al-Helwani ;49 years old was infected by COVID-19 . On 10<sup>th</sup> of April 2020 she felt high fever,dry cough and fatigue together with difficulty breathing and went to hospital where they used all flu drugs without any improvement then her case started to worsen . We sent our protocol for her and after one day she informed us that she improved 80%. She completed our protocol for 3 days only and went back to hospital which was astonished by results;she was completely cured and COVID-19 was negative.After one month she informed us she is still in excellent health condition.

#### Case 2

The second COVID-19 patient was a female child, Asama; the daughter of Dr. Al-Helwani(Case1);she was infected with her mother and suffered from same symptoms, and she was given Oxygen ventilator to ease breathing. After applying our natural protocol for 3 days she quit Oxygen and her test became negative till now (May, 11)

#### Case 3

A 56-year-old female;Mrs. F. Al-Thahabi was diagnosed with COVID-19 ,April,12,2020. She tried all possible medications without any improvement. She was suffering from high fever, sore throat, shortness of breath ,appetite loss and fatigue.After 3 days of applying our protocol she became normal with COVID-19 negative test. On May, 11; she said her health is perfect.

#### Case 4

A 56-year-old male;Dr.Marwan Abu-AL-rub was diagnosed with COVID-19, August 2020. He was under ICU in Dubai tried all flu and fever medications without any improvement. He was suffering from high fever, sore throat, difficulty breathing, chest pain and tiredness. After 7 days of applying our protocol he became normal with COVID-19 negative

test. After 3 months; he informed us his health is still perfect.

#### Case 5

A 30 year old Russian opera singer; Ms. Kristina was diagnosed with COVID-19, August, 2020. She tried in Moscow all flu and fever medications without any improvement. She was suffering from high fever, dry cough, difficulty breathing, chest pain and tiredness and she was under ICU. After 7 days of applying our protocol she became normal with COVID-19 negative test. In September; She informed us her health is perfect.

#### Case 6

A 92-year-old male; Mr. Abdul-Rahman Al-Madani was diagnosed with COVID-19, August 2020. He was given flu and fever medications without any improvement. He was under ICU in Dubai and suffering from high fever, sore throat, shortness of breath, conjunctivitis, headache and diarrhea. After 8 days of taking our protocol all symptoms disappeared, and he became normal with COVID-19 negative test. He returned back to his business office; He informed us his health is perfect.

#### Case 7

A 40-year-old female; Mrs. Maha El-Said was diagnosed with COVID-19, December 2020. She was under ICU in Georgia in United States and used all possible medications without any improvement. She was suffering from high fever, dry cough, breathing difficulty, aches and pains all over her body, appetite loss and tiredness.After 3 days of taking our natural protocol her health became normal with COVID-19 negative test. On January, 11; she said her health is OK.

#### Case 8

Ahmad Al- Maaitah and his wife Iman from Chicago Illinois were diagnosed with COVID-19; January 2021 they were given cold, flu and high fever medications for 2 days without any progress. After 3 days of following our natural protocol they became normal with COVID-19 negative test and all symptoms disappeared. In March; 2021 they told us their health is still excellent.

#### Case 9

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A 45-year-old Kuwaiti nurse female; Mrs. Fatema Al-AJMI was sent to hospital with bad health conditions, and they diagnosed her with COVID-19 and were under ICU. She used all possible medications without any improvement. She was suffering from high fever, dry cough, shortness of breath, conjunctivitis, loss of appetite, aches and pains, loss of movement, diarrhea and tiredness. After 5 days of applying our natural protocol her health became perfect with COVID-19 negative test. In February 2021; she said her health is still perfect.

## Case 10

A family (Mr. Al-Bourini family) of 7 members in Chicago were infected by COVID-19 and went to hospital in March 2021. They used all possible medications without any improvement. They are suffering from high fever, dry cough, shortness of breath, conjunctivitis, diarrhea and tiredness. After 3 days of applying our natural protocol all family members became normal with good health and COVID-19 negative test was negative for all of them. In April 2021; they informed us their health is still perfect.

## 8 | SAFETY AND TOXICITY STUDY

Toxicity study performed on mice in the animal house in Jordan University of Science and Technology showed that the composition is free of adverse effects especially on liver, kidneys, lipid and other body organs. Results of toxicity study are in Appendix 1

## APPENDIX

### JORDAN UNIVERSITY OF SCIENCE & TECHNOLOGY

#### Report Analysis of Toxicological effect of Immunity Herbal Capsules IMUTECH

#### Methods

- Two groups of mice ,each of 10 were used
- Proper amount of the tested extract was used . The extract base without the active ingredient was used to the control group

- After 0, 6, 12, 18, days blood was collected by heart puncture or tail tip from all mice using EDTA tubes

- the following tests were performed :

A. Physical activity of general appearance

B. Pathological tests: after dissection of animals at the end of the exp. The following organs were examined: liver, pancreas, adrenal gland, heart, liver, and spleen

C. Hematological tests including RBCs &WBCs count.

D. Biochemical tests including: glucose, triglyceride (TG), cholesterol, Uric acid, creatinine, ALT, AST, amylase, Total bilirubin

## Results

TABLE 1: Glucose (mg/dL)

Days	0	6	12	18
Con-trol	116±8	119±9	120±10	118±12
MC10	110±11	115±12	117±8	115±8

TABLE 2: Cholesterol (mg/dL)

Days	0	6	12	18
Control	73±10	75±8	78±9	80±10
MC10	70±10	73±9	77±9	76±10

TABLE 3: TG (mg/dL)

Days	0	6	12	18
Cotrol	172±25	168±30	180±35	190±35
MC10	180±30	178±25	186±28	191±33

TABLE 4: Total bilirubin

Days	0	6	12	18
Con-trol	0.32±0.1	0.33±0.1	0.33±0.1	0.35±0.1
MC10	0.3±0.1	0.3±0.1	0.34±0.1	0.36±0.1

**Physical activity** The group of mice which received the herbal extract did not exhibit any remarkable difference in general appearance ,but they were very



**TABLE 5: Creatinine (mg/dL)**

Days	0	6	12	18
Con- trol	1±0.1	0.9±0.2	1.1±0.2	0.9±0.2
MC10	0.9±0.2	1±0.3	1.1±0.4	1.3±0.4

**TABLE 6: Uric acid (mg/dL)**

Days	0	6	12	18
Con- trol	9.3±1.1	8.8±1.4	8.9±1.5	9.1±1.3
MC10	9.5±1.5	8.7±1.2	8.5±1.5	8.3±1.1

**TABLE 7: Amylase (U/L)**

Days	0	6	12	18
Con- trol	813±80	804±100	790±90	780±85
MC10	930±120	960±130	870±95	910±95

**TABLE 8: ALT (U/L)**

Days	0	6	12	18
Control	95±15	90±18	85±20	92±15
MC10	95±15	92±18	90±20	85±20

**TABLE 9: AST (U/L)**

Days	0	6	12	18
Control	108±12	102±10	92±13	95±10
MC10	110±12	85±15	75±15	45±10

**TABLE 10: Weight (gm)**

Days	0	6	12	18
Control	20.4	22.1	24.3	26.6
MC10	20.2	23.2	25.1	26.8

**TABLE 11: Hematology (RBCs \* 10<sup>6</sup> /mm<sup>3</sup>)**

Days	0	6	12	18
Con- trol	5.7±0.6	6.2±0.5	5.8±0.7	5.6±0.5
MC10	5.5±0.5	5.6±0.7	5.7±0.6	5.9±0.6

**TABLE 12: (WBCs \* 10<sup>3</sup> /mm<sup>3</sup>)**

Days	0	6	12	18
Con- trol	5.2±0.3	4.6±0.4	6.1±0.6	5.8±0.6
MC10	5.1±0.4	5.3±0.5	5.6±0.4	5.5±0.5

active throughout the study and showed high physical activity compared to the control group.

### Summary of results

#	Parameter tested	Comment
1	Physical activity and general appearance	No effect
2	Weight gain and water consumption	
3	Pathological examination after dissection	No macroscopic changes could be observed
4	Hematology	
4.1	RBCs	No significant changes observed
4.2	WBCs	No significant changes observed
5	Biochemical tests	
5.1	Glucose	No significant changes observed
5.2	Cholesterol	No significant changes observed
5.3	TG	No significant changes observed
5.4	Creatinine	No significant changes observed
5.5	Uric acid	No significant changes observed
5.6	Total bilirubin	No significant changes observed
5.7	ALT	No significant changes observed
5.8	AST	Significant decrease was observed
5.9	Amylase	No significant changes observed

IRBID-JORDAN on 1st-February-2011, PROF.DR.AWAD MANSOUR JORDAN UNIVERSITY OF SCIENCE & TECHNOLOGY

## 9 | CONCLUSIONS

This patent-pending botanical nano formulation is the first natural safe fast cure in the world and it is registered as food supplement by FDA in USA and it is expected to help hundred millions of COVID-19 Virus cases worldwide. Double blind is still needed to give more reliable results.

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