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SUCCESSFUL APPLICATION OF THE NEWLY DISCOVERED GANS PLASMA AND GANS WATER TECHNOLOGY FOR DETECTION, CURE, PREVENTION, AND ENVIRONMENTAL DISINFECTION OF THE COVID FAMILY OF VIRUSES IN TRIALS IN IRAN 2020 PANDEMIC

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Article 6 of the Covenant on Civil and Political Rights recognizes.

"The right to life is considered one of the fundamental human rights"

Article 3 of the Universal Declaration of Human Rights states this.

"The right to life is an inherent human right"

In the Constitution of the Islamic Republic of Iran, in the third chapter, about the rights of the nation, the twenty-two principle,

"The lives of people in all aspects are inviolate." This right can never blemish, even in a state of illness, man has the right to use all the facilities and equipment available to facilitate his recovery.

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ABSTRACT

In the present world of medicine reaching no permanent and conclusive solution for viruses in how to tackle these entities, at this conjecture, there is a need for a new understanding and technology, which can take mankind to a new level of science that can resolve these ever repetitive problems with viruses. There is a need for a new working knowledge on the basis of the universal systems field forces interactions, with living and working systems, as Earth, which possess both Magnetical and Gravitational plasmatic field forces (known as MaGravs). These new systems must have the ability to interact with all viruses at the point of their manifestation. In the new science, viruses are considered as a collection of MaGrav field forces without physicality. In the newly developed GANS (Gases in Nano Solid-State) Plasma Space Technology, which in essence is a physical plasma in a tangible state, has the same property and behavior as the celestial objects like Earth and living cell of the man, which possess MaGrav fields structure. This new technology is seen as one of the solutions to many of the present world problems in Health, Agriculture, Space, Energy and more. Plasma term in this study differs from Plasma term as hot ionized gas or cold plasma commonly used in the industry. The new plasma is explained as the collection of the interaction of fields without matter states but created at room temperature and pressure. Therefore, the new GANS Plasma Technology can be achieved and is an easily produced and accessible method to overcome any virus of any strength on Earth and in space. The GANS Plasma Technology is replicating the natural work of every celestial body in the universe, and therefore it is a natural process and material unknown to man up to now. The top layer of fatty substance produced in the GANS production process is what we call the natural amino acid of the GANS. This means the GANSes automatically link up with the MaGravs field strength of the cell of the body and use it as a reference strength. The cost of saving a life using GANS Plasma Technology as a natural process is affordable for anyone, as has been shown and proven in Iran in the past months during Coronavirus pandemic. This new GANS plasma can be adjusted to be used at any potential future outbreak of viruses. This report is accumulation of data and analysis of hundreds of Iranians using this GANS plasma technology on their own accord to save their lives, the lives of their families and their community since the start of the virus outbreak in Iran and in Iranian communities and Knowledge Seekers around the world. This report is a collection of Iranian first national clinical trial carried out by the citizens of Iran in overcoming Coronavirus national pandemic for which the government of Iran and no other nation at this moment has had any solution for. The Iranian nationals have taken in their own hand to use the most advanced space technology developed and simplified by their own national nuclear physicist with cooperation of many researchers specializing in nuclear, medical, pharmaceutical, strategic management, etc. The results of this national clinical trial speaks for itself and brought it to the immediate attention of the government to adopt and promote this technology, not only for Iran but for the rest of the world citizens as well. Where the team of Iranian scientists in collaboration with the Iranian National Defense University have started collaboration for testing and publication of this paper. Today, the common medical and pharmaceutical world has so far paid attention to infectious agents from a microscopic or macroscopic point of view, looking at it in matter state condition. During various research project it has been observed that the viruses have electric energy power. No report has been published so far on the magnetic and gravitational fields of each infectious agent, detailing the function and effects of those fields in interacting with the MaGravs of the healthy cells. This research reveals the study of the effect of these fields on infectious agents such as viruses and provides a reliable revolutionary solution to detecting, preventing, and depleting the virus from its energy, followed by overall environmental virus clean-up. This new technology can be used at the point of an outbreak and in the case of any virus mutation after the outbreak, as it will happen with the man in deep space travels. One way to help patients in difficult situations is to use non-common treatments, such as using GANS and GANS water. The dangers of microbial infections and pathogens, especially viruses, have always been a human problem. In this study, using the new knowledge of GANS production and utilization of their plasma fields and interaction with magnetic and gravitational fields of COVID family of viruses, energetic analysis of the viruses and its subsequent ineffectiveness against living cells has been reported. This science is just beginning, research is ongoing and more will be reported in the future.

I. INTRODUCTION

Coronavirus disease 2019, commonly referred to as COVID-19, is an infectious disease caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) that had its outbreak in December 2019 in Wuhan city, China, and has resulted in an ongoing global pandemic of 2020. This novel Coronavirus strain and its mutations, generally known internationally as COVID-19 is referred further in this scientific paper simply as “Coronavirus”.

In the current common medical knowledge, human beings have not yet been able to have accurate knowledge and analysis of the behavior and function of viruses. In present knowledge, antibiotics are commonly used to treat a bacterial infection, but they have not yet been able to accurately understand the virus's behavior and its mechanism of action. The world of medicine has not yet managed to provide a suitable drug to fight it.

At present, scientists, and researchers in the field of medicine are trying to re-use and evaluate synthetic or industrial drugs and compounds that have previously had a small effect on the function of viruses, using trial and error and past experiences. The current world of medicine chooses this path of research because of their belief that the similarity with previous results they have obtained gives them the hope for the treatment of diseases caused by the new virus.

A report released by the Ministry of Health's Office of Research and Technology from Iran, entitled "Epidemic Virus Corona 2019"¹ shows that there is still no way to fight this virus directly. As the only resort, they are aware of, the researchers are simply trying to use infusions of antibiotics or to strengthen the immune system to

keep the virus under control. In that report, the table of the list of interventions approved in clinical trials states that 56 cases with chemical drugs from common medicine and 52 cases of non-chemical interventions from herbal medicine and modern medicine, individually and in combination, have been used with none or very limited results.

Common medicine has not been effective in treating a large number of dangerous viral diseases, such as African Swine Flu or Ebola, and by not being successful it has led to their withdrawal from treatment protocols. (Mohammad Pourbehtaj, 1392/4)²

However, in the Space plasma physics developed by M.T. Keshe, the derived Space Health applications have been researching this area for many years to study viruses, detect, observe, and analyze their behavior. By this research, we are creating the correct foundation to develop a new technology able to stop the negative effects of the viruses and to repurpose the energy that is depleted from the viruses for the benefit of the living entity it has been affecting.

A report published on the website of the Iranian Center for Viral VIRGo Research on Neuro virus has finally concluded that there is no treatment for neuro virus so far (Viral Research Center, 1322).

In a report from the Encyclopedia of Growth, the treatment of viral diseases through chemicals has been studied, which has finally been concluded that so far there is not a completely effective and uncomplicated method in the treatment of viral diseases (Encyclopedia of Growth, 1322). In a report from the Young Researchers Club, the strongest drugs and herbal compounds to fight directly with viruses are mentioned, which are

ultimately concluded that they will be used only to strengthen the immune system and not to fight the virus in any way (Young Researchers Club, 1392).

Contrarily, the present knowledge of space plasma fields has succeeded in processing African Swine Flu and Blue Ear disease, which are immediate flu-like viral diseases, respectively infectious disease in pigs. Also, the results of clinical and laboratory experiments on the Ebola virus in Sierra Leone led to the definitive processing of the viral epidemic in that region (Mehran Tavakoli Keshe, 2020).

This process has shown the viruses can be completely depleted of their energy without any side effect, with a full recovery and repair of damaged cells in the body.^{3 4}

II. AN INSIGHT INTO THE EFFECTIVE MAGNETICAL AND GRAVITATIONAL FIELDS OF VIRUSES AND CELLS

In the present world of medicine so far, virologists have focused only on the physical nature of viruses and have not paid attention to the fields which they possess and maintain around and within them. In celestial objects, we call these the Magnetical and Gravitational fields (MaGrav) of a star or a planet.

In each region and location in the universe, there are always both magnetical and gravitational fields, existing simultaneously. All living entities from atoms to cells to stars and galaxies possess these fields, and this is how they get attracted or position themselves in their environment with respect to other cells or entities.

One of the biggest dogmas and problems with the present medicine is that we have never understood the true nature of the viruses. We have used antibiotics to vaccines, to destroy or to control them, but in truth, no one up to now has considered the true nature of viruses that are energy entities and not as considered today as matter state entities.

In space plasma physics we consider that during the space travels of the future we will encounter more viruses ever than any amino acid-based entities like microbes and bacteria. The amino acid-based entities are made of magnetic fields interaction of the elements of the planet Earth and these matter state elements do not exist in other planets or universes in the same combination.

So, the possibility of a human-based amino acid match in the space would be very difficult to the point that we consider the human amino acid combination to be unique or near-unique combination anywhere in the Universe. We consider that other entities in the Universe could have similar or different varieties of combinations of amino acids which lead to the establishment of their own unique universal building block of life.

To this effect, we start looking at viruses as energy packages that in their encounter with the human cell they manifest themselves as a structure matter above the cell. What we see with the effect of the MaGrav fields of Coronavirus energy on the cell's MaGrav fields is in reality what is created in matter state from the energy of the virus in interaction with plasmatic fields of the cell's MaGrav fields.

The creation of matters or entities through the interaction of different fields can be explained in

the following scientific manner. As the dynamic rays and fields of the Sun interact with the dynamic rays and fields of the Earth in their plasmatic condition⁵, the interaction and friction of these two celestial bodies fields and their friction upon each other create fragments of plasmatic fields packages (energetic structures).

The interaction of these packages of plasmas with the inertia of the Earth converts these plasmatic envelopes to matters⁶ such as Oxygen, Hydrogen, Nickel, Copper, Zinc, Gold, etc. as we observed on this planet, according to their environmental inertia fields.

Inertia in the new space plasma physics is considered as the matter state MaGrav and not the planetary MaGrav field strength.

Therefore, the interaction of these packages of plasmatic fields from the interaction of the MaGrav of the two planets' center cores in upper atmosphere of the Earth getting pulled towards the planet and then the interaction of these packages of plasmatic fields with the inertia of a given element of the planet leads to the creation of that element in the matter state from that package of plasma.

Which means, if the package of plasma has a balance field of Copper, in interaction with the inertia fields of the Copper converts that energy to Copper matters state of Copper and man will see the Copper as a matter state. This is in reality, how matters are continuously added to the top layers and inner layers of this planet.

By the same principle, as Earth and Sun fields interactions, the plasmatic MaGrav fields of viruses in interaction with MaGrav fields of the cell, leads to manifestation as matter state on the top layer of the cell⁷ in the body, as it is observed

in the structure of the Coronavirus on the cell of the human.

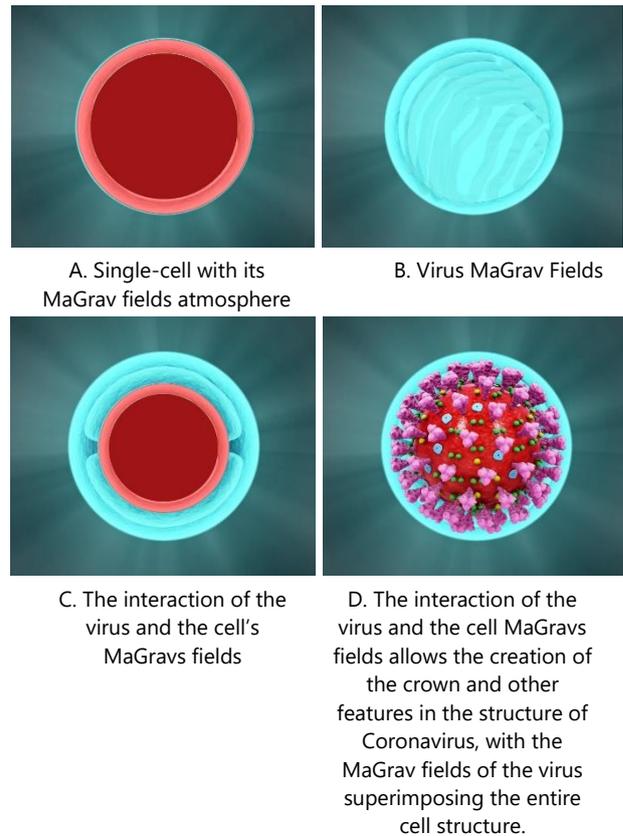


Figure 1. The graphic representation of the interaction between the virus and the cell MaGravs

The red layer from Figure 1.A represents the surface of the cell. The light red layer from Figure 1.A shows the MaGrav field's atmosphere of the cell. Figure 1.B depicts the MaGrav fields of the virus. Figure 1.C displays the interaction of the MaGravs fields of the two entities, namely the virus and the cell.

In Figure 1.D the sea-green area represents the atmosphere from the MaGrav of the Coronavirus that is superimposing the cell and leads to the creation of the crowns and other features. The crowns, Spike Glycoproteins (S), and other features over the cell are created from the interaction of the MaGrav fields of Coronavirus with the MaGrav fields of the cell. The power of this field creates a barrier shield force that does

not allow antibiotics or current matter state-based chemicals that are pharmaceutically developed to reach the cell, to diminish the effect of Coronavirus on the cell, or to deplete the energy of this shield.

In the dynamic planetary system, the MaGrav fields of the planet, as atmosphere, repel, or burns objects capable to hit the surface which are trying to enter into the atmosphere of the planet. The antibiotics are more or less of the same nature and effect towards the Coronavirus cells, in trying to reach the surface of the cell, and by the strength of the field of the Coronavirus, they are bounced back. Therefore, the present medicine using pharmaceutical chemicals cannot reach the cell to support in overcoming the virus due to this MaGrav fields barrier.

This new combined atmospheric condition made up of the cell and virus is not of the cell but the mixture of strengths of the two entities and it is made of the amalgamation of the balance of the fields of the cell and virus. This field now is stronger than the field of the individual cell and the field of the individual virus.

As the Coronavirus fields now have taken hold of the cell it creates a condition to pull other fields in its environment to feed itself due to its heavier gravitational field of itself and through this process once it reaches its maximum environmental field strength, now it leads to the creation of the second virus cell. As this process repeats itself very rapidly, the Coronavirus takes hold of the whole environment of the organ, and subsequently, the body.

The multiplication of a virus cell in the body is an exact copy of the process of a fetus in the womb of the mother where, by absorbing energy from the amniotic liquid of the womb, it

multiplies. In the body of the man infected with the Coronavirus, the virus energy uses the cell as the point of anchor and rapidly, by extracting energy from the body, superimposes its strength on the cell. The spread of the virus in its environment is by extracting fields from its environment and enriching a given dimension of strength and size. Due to its gravitational pull it allows the second virus cell to be produced and the multiplication of the virus plasma system to grow.

Then this explains that with amino acid-based strength medicine, for example, antibiotics, we cannot break through these new strong fields. Consequently, the present world of medicine and pharmaceutical have not managed to find a working solution platform for handling the viruses and their mutation.

Mankind has managed to partially understand this and has made materials against viruses in the form of vaccines that apply only to a single strand of virus per vaccine.

In truth, if the scientists understand the work of the GANS plasma and knowing that the plants and herbs and other creatures carry the same MaGrav as GANS then it is natural to understand how some herbal and natural traditional medicines have shown success with Coronavirus and other viruses too. This being due to the properties and characteristics of the GANS that the plants are being made of, and some do show positive effects on viruses as they are made of the GANSes of the same as the cell of the body of the man.

This being the reason why we have seen some successes with some natural herbs and plants as they carry the strength as of the virus and now their success can be fully understood.

Thus, we can use natural materials which are in fact the same as GANSes and these need further investigation by the world of science, now that the new science of GANS plasma technology has been developed and understood in respect to the interaction of the fields and entities and not interaction of matter and chemical interaction of the entities.

The GANS plasma technology has shown that the GANSes of these herbs and natural materials can be made and have been used in China and in other parts of the world to show that the effect can be made more potent than the herb itself. This process of using GANS plasma technology with the mixture of herbal medicine has been tried in China, initiated by the national security of China, in Guangzhou and Shanghai institutes with great success.

Now it is used in China for the eradication and control of Coronavirus. New products from this combination have been launched by the Chinese laboratories in the past weeks, following the combination of the GANS plasma technology and the Chinese herbal traditional medicine and has been marketed as new products to overcome the Coronavirus.

III. UNDERSTANDING THE PLASMATIC ENERGIES OF THE VIRUSES

In space plasma physics we have discovered that the larger energy plasma always feeds the smaller plasma of the same strength, to bring it into balance with itself and be able to make a twin system. That twin system can guarantee the survival of both the larger and the smaller plasma that all fields can be preserved to assure a longer

existence. Like an electron and a proton, the larger plasma feeds the smaller plasma so that the smaller plasma can protect, enrich, and feedback part of that enriched energy to the stronger plasma. This is defining the infinity loop of MaGrav fields between the two entities.

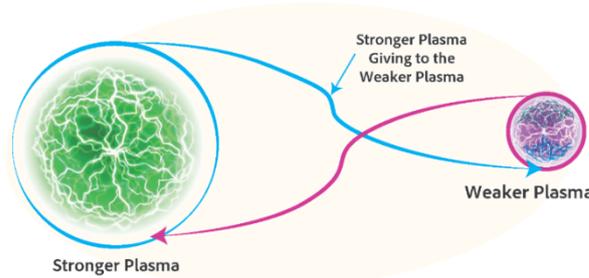


Figure 2. MaGrav field exchange between two plasmas

In understanding this phenomenon, as nuclear and space plasma physicist it was easy to be able to make a system or a medical plasmatic matter or procedure, that if we could continuously introduce a smaller plasmatic environment to the environment of the virus, we could slowly deplete the energy of the virus and make it ineffective.

At the same time, because we cannot fully eradicate the energy of the virus, that virus can live within the environment of the body, but at a harmless strength. If this new state of lower energy can be kept within the structure of the body for long enough, then the body in time will make a new efficient immune system to do the same, to protect the body from any new incoming viruses of the same strength and it will behave in the way the present vaccines are used.

To be able to handle the viruses in the human body and the environment, we have to consider the new understandings which come from the recent world of plasma, cosmology, and transfers of energy and MaGrav fields which are as follows:

Firstly, in the recent understanding in the world of plasma, one can never destroy any plasmatic entity, but can reduce or even cause it to become smaller and weaker in capability or, by giving more fields, allowing them to divide themselves. In any case, one can never kill a virus, this being due to the fact of conservation law of energy and fields, as it applies to all celestial bodies.

Secondly, once we deplete or divide these energies of viruses, now these packages of plasmatic energies, as they could have a new strength and combination of smaller and weaker plasmatic fields, then these new field strengths and their packages can be directly used as a new resource to enhance or a new supply as a feeder to the other cells, in the same environment of the cell or the body, if need be. These energy packs can become ready-made available sources for faster recovery of the surrounding cells or by the human body.

The process is similar as eating a ready-made prepacked energy food. At the same time, these fragmented new packages of energy do not have the characteristics of the virus' MaGravs that they could spread the virus in the body of the man. At the same time, the elements used in today's medicines are not only of matter state but at the same time not strong enough to be able to penetrate the barrier fields of the virus-infected cells as it is much stronger than their strength and so, we mainly see that the antibiotics are rendered ineffective to eradicate viruses.

Another form of depletion of energy of viruses as described in the MaGravs plasma technology is observed with the phenomenon of the common flu viruses in the present world of medicine.

In these cases, the practitioners tell their patients to have a rest until the virus effects are finished.

In truth the patient, by taking time, allowed the energy of the viruses to be used up by other cells of the body and as it is depleted by feeding its energy to them, by lowering its strength so that, even if the virus still exists in the body, it cannot condition the body to its field forces.

In confirming that viruses have energies and the energy transfer in them and amongst them with the cell they infect, can create currents and usable energy as shown in the following extracts from multiple public domain research papers.

THE ENERGY BETWEEN THE CELL AND THE VIRUS

This section is an extract from a number of scientific papers to confirm the energy of viruses and Calcium effects. We see it appropriate to be brought here as outside confirmation of energies and MaGrav fields interaction of the virus.

Viruses are the only exception to cell theory as they are not composed of cells, they can take over control of cells and deplete their energy to survive and replicate.

During this process, they additionally tend to decrease the level of calcium from the cells. Research shows furthermore that viruses capture, store, and transfer energy, it could be shown that they can be used to create electrical energy and to amplify signals in laser technology.

According to cell theory (Schwann, 1847)⁸, "all organisms are made of cells. Groups of cells create tissues, organs, and organisms. Further, cells can only arise from other cells. These are the main tenants of cell theory." (Cell Theory, 2019)⁹.

Viruses are seen by scientists as the only exception to cell theory and are defined as “acellular obligate intracellular micro-organisms that infect the living cells/organisms” (Anand & Tikoo, 2013, p. 2)¹⁰. This means viruses are not composed of cells, but can be found inside cells and are extremely tiny microorganisms, in the size of nanometers:

As the virus cannot keep itself alive, it needs the energy of the cell. Viruses are incapable of autonomous energy production (Mahmoudabadi et al., 2017)¹¹. Anand & Tikoo (2013)¹⁰ explain in detail that “viruses need to take control of the various cellular organelles involved in defense and immune processes” (Anand & Tikoo, 2013, p. 2)¹⁰ to survive and replicate and they also need the energy to escape from the cell.

They “consume from the host’s energy budget in creating the next generation of viruses.” (Mahmoudabadi et al., 2017, p. 1)¹¹.

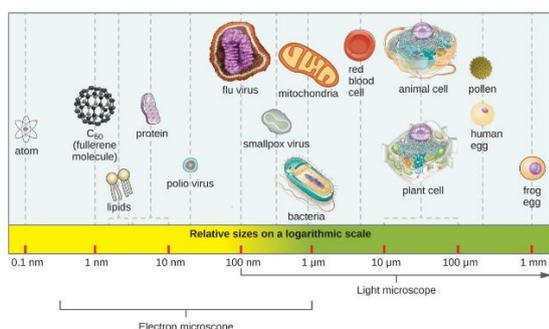


Figure 3. Types of Microorganisms. Source: <https://courses.lumenlearning.com/microbiology/chapter/types-of-microorganisms/>

The decline of Calcium in cells through viruses: Additionally, the impact of viruses on the calcium level inside the cells was explained by Anand & Tikoo (2013) that “a number of viruses alter the Ca²⁺ regulatory activity of the cell for their survival. Herpes simplex type (HSV) 1 virus causes a gradual decline (65%) in

mitochondrial Ca²⁺ uptake at 12 hrs lytic cycle, which helps in virus replication” (Anand & Tikoo, 2013, p. 3)¹⁰.

Furthermore, it was shown by Anand & Tikoo (2013), that the interaction of protein X of hepatitis B virus (HBV) with VDAC is the cause of “the release of Ca²⁺ from storage organelles mitochondria/ endoplasmic reticulum (ER)/golgi into the cytoplasmic compartment, which appears to help virus replication.” (Anand & Tikoo, 2013, p. 3)¹⁰. Summarized it can be stated that viruses reduce due to their nature of surviving the level of calcium in the cells.

The potential energy of viruses: Lee et al. (2012) showed in their experiments that it is possible to set up a virus-based piezoelectric energy generation, they demonstrated that the “piezoelectric and liquid-crystalline properties of M13 bacteriophage (phage) can be used to generate electrical energy.” (Lee et al., 2012, S. 351)¹².

Thin films of phage can show piezoelectric strengths of up to 7.8 pmV⁻¹ in their experiments. The group of scientists additionally built a phage-based piezoelectric generator that produces up to 6 nA of current and 400 mV of potential and they used it to operate a liquid-crystal display.

Summarized it can be stated that the team of scientists from several universities in the USA developed a biopiezoelectric device made of genetically modified bacterial viruses, M13 phages. This shows that viruses contain energy, which can also be used as electrical energy. Focusing on virus-based nanomaterials, Wen & Steinmetz (2016) point out that “the design and development of devices with nanoscale features open the door for novel and more efficient ways to capture, store, and transfer energy.

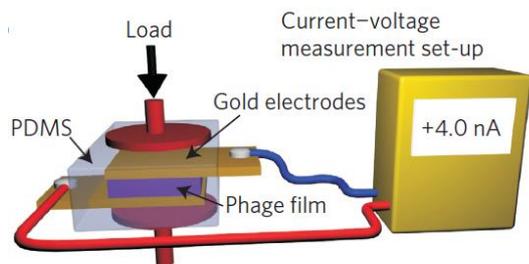


Figure 4. Schematic of piezoelectric electrical energy generation measurement set-up. A mechanical load was applied to the device while monitoring the voltage and current.

Since viruses are self-assembled from coat proteins into nanoscale structures, and the protein-based building blocks also show an inherent propensity to self-assemble into higher-order hierarchical assemblies, they provide an ideal building scaffold for the design of nanostructured materials.” (Wen & Steinmetz, 2016, p. 43)¹³.

Wen & Steinmetz (2016) mention areas of applications of the functionalization of virus-based materials to yield energy-relevant materials such as light-harvesting systems, plasmonic metamaterials, and energy and data storage systems. As an example, “high aspect ratio virus particles, such as the plant virus TMV and bacteriophage M13, form excellent biology-derived scaffolds for the templating and synthesis of inorganic matter to produce nanowires at the mesoscale” (Wen & Steinmetz, 2016, p. 44)¹³.

As an example, to achieve digital memory, virus hybrids can be built such “that they exhibit conductance switching behavior. One method to fabricate such a device involved decorating TMV with Pt nanoparticles and using them to form a composite layer in a PVA matrix sandwiched between two electrodes.” (Wen & Steinmetz, 2016, p. 48)¹³.

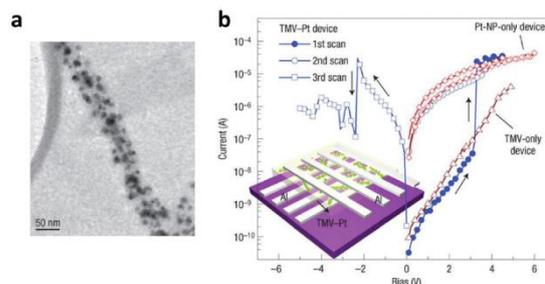


Figure 5. TMV-based digital memory device. a) TEM image of TMV with approximately 10 nm-sized Pt nanoparticles uniformly attached. b) I-V curves of a device created with an active layer derived from the TMV-Pt nanowires (illustrated in inset). Source: (Wen & Steinmetz, 2016, p. 98).

Wen & Steinmetz (2016) showed in their studies and research, that viruses present a great opportunity in the manufacture of energy-relevant materials.

Use of viruses in laser technology: Hales et al. (2019) examined the properties of virus lasers in which the gain medium is a solution of fluorescein-dye-labeled M13, they state that “our virus-lasing probes display an unprecedented > 10,000 times increase in signal from only a 50% increase in probe concentration, using fluorimeter-compatible optics, and can detect biomolecules at sub-100 fmol mL⁻¹ concentrations.” (Hales et al., 2019, p.1)¹⁴.

Their virus biolasers delivers a five-decade increase in signal, this shows that through the use of virus probes not only electrical energy can be gained, but also signals in the laser technology can be amplified.

IV. USE OF NEW MATERIAL KNOWN AS GANS FOR THE ERADICATION OF VIRUSES

In understanding the way the viruses function, Mehran T. Keshe, over the past 20 years, has set out to discover and develop a technology, which can be similar to the structure of the cells of the body of the man and at the same time to be working as or the same as the plasma of the cell.

To this effect, by research and development, new material has been developed using nanotechnology and conversion of nano atoms to single loose nano molecule plasma cells, which this process has been specifically developed to create what is known as a gas in nano state or GANS. This new material called GANS is stable at room temperature and normal atmospheric conditions.

The single-molecule plasma is considered to be a weak plasmatic field environment that can be used specifically for the depletion of the MaGrav fields of any virus. These GANS materials can be tailored to any virus MaGrav strength as they manifest themselves to be able to interact with any virus at any point in the body of the man environment or in the space.

The development and production of GANS material are considered a major breakthrough in the science of space plasma technology and has been adopted to be applied in overcoming the effects of Coronavirus (COVID-19).

Using the new GANS plasma technology and being able to develop it further in the future, to facilitate for the man to be able to live in space for long durations without needing to produce any vaccines.

Thus, can use the energy of the different GANSes to produce the environment of the MaGrav fields that can be compatible to overcome any virus in the universe.

With this new insight and understanding man can protect himself at the point of infection as in space there are so many different levels of energy and energy packs, which makes vaccine production for all viruses an impossible option.

Additionally, the man of space cannot keep on coming back to Earth to find a solution for a simple new virus infection he has picked-up in the space or a full colony of human race to be destroyed in the space once affected by viruses while waiting for the humans Earth to find a solution.

In reality, man has never been in touch with the environment of the space without protective clothing up to now and sooner or later when man decides to break this barrier, he has to face the reality of the energy packs like viruses. Therefore, GANS technology can be one of the solutions for overcoming the effect of viruses in the space.

There is a need for a new understanding and technology which works based on Universal MaGrav Systems and has the ability to interact with all viruses at the point of their manifestation. Therefore, the GANS plasma technology can be achieved and is an accessible method to overcome any virus of any strength on Earth and in space.

Laboratory tests done in Austria on GANS and GANS waters have shown that they are effective in stopping the growth of bacteria and once used can be more effective than the present antibiotics.¹⁵

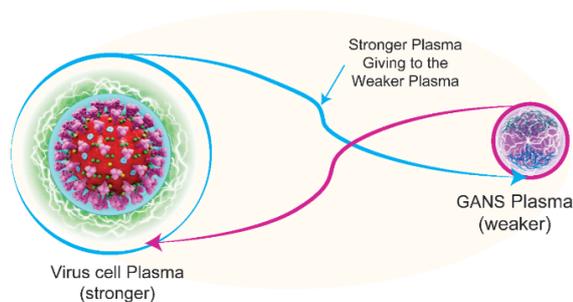


Figure 6. Interaction of GANS plasma and Virus cell plasma

Tests done in Iran in laboratories on live chicken embryo have shown that the GANS plasma can eradicate the virus used in these tests. This report confirms that the GANSes have a direct effect on live cells, can be used effectively for processing the fields of viruses, and have stopped the growth and replication of viruses, eradicating the viruses.¹⁶

The beauty with the use of GANS plasma technology by ordinary people in producing it themselves at home and applying it for their infection, is that the effect on the patients can be seen, in some cases in less than one hour. And for a complete recovery in cases, in less than three days. And that is why this technology has taken such a fast and strong root in Iran. This being due to the fact that the infected people can feel and see the results within hours from the use of the material.

This is what has puzzled the Iranian health officials. How a simple water can have such an effect on the body of the man, with which even Coronavirus patients in critical condition can recover in a few days.

In GANS Plasma Technology we use the word 'processing' for the interaction between the plasma of the GANS and the live cell, in being able to affect the strength of the virus in medical conditions.

Laboratory tests done by world renowned independent institute in Iran have shown that GANSes are plasmas in order of nano- to pico-sizes. These size plasma GANSes have been analyzed by physicians, scientists, and were found to be perfect in the applications in the world of medicine.¹⁷

V. GANS PRODUCTION AND ITS APPLICATIONS

In the present world of science and technology, the scientific world has always used acidic conditions and the environment to create energy or in transferring materials from one position to another.

The world of science has never considered the true world of creation and the role and effectiveness of alkaline and salt materials and environments.

These are the backbone structure and the controller of the live elements of the world of creation on this planet. In the body of the man are known 6 different types of salts, mixtures of and salinities which lead to the creation and maintenance of every cell in the body of the man, animals, and plants.

Similarly, for man to be able to understand the work and operation of the human cell, he has to create materials that operate in a salt environment or high alkaline environment as in living entities.

Mankind has never understood and never developed a technology to understand the building blocks of life in the universe and on Earth. To be able to build the building blocks of life, mankind has to follow the same principles and rules as in these entities.

This is one of the reasons why the world of science and medicine has not managed to come up with fundamental technology and systems that can be used for all conditions in the human body. Consequently, the medicines which man has made always have side effects and always work against the natural phenomenon of creation.

In reality, one should have had a look at the true process and structure of the creation and not assume, as it has been doing up to now. Therefore, we do not see atoms of Hydrogen or Iron in the body, but we see the magnetic fields and the interaction of the magnetic fields which give the essence of the elements in the plasmatic condition and not in the matter state condition.

In the body of man all the elements are in a plasmatic magnetic field vacuum condition and so they behave as GANSes. And once these elements are taken out or extracted from the body of the man in interaction with the inertia of the planet they behave and show themselves as a matter state of the element, exactly as it was explained in the previous chapters.

Therefore, in the interaction with the inertia of the planet, the energies of the matters convert themselves into the matter state and that is how man considers that all the elements from the body of the man, in laboratory testing are in matter state and that is where the fundamental mistakes in the world of science have been made.

Mankind has made all chemicals and medicines in the world of pharmaceuticals through the matter state of the elements and this has created limitations.

To create any material or any conditions to work similar to the elements in the body of the man, one has to develop a technology that works and

is as the structure of the body itself. To this effect, we had to look at a new science, new know-how, a new understanding of the totality in the structure of life on this planet; to discover how elements operate within the vacuum structure of the body of the man, which is one of the highest level vacuum systems in the universe.

In the body of the man the elements work, interact, and exchange energy in a plasmatic condition. For example, in the interaction of the three layers of the plasma in the nano state leads to the creation of tangible physicality of the skin of the man, or what is known as the three layers of skin. This is what mankind has not understood up to now and the creation of materials like the skin of the man will be explained and shown through the new GANS plasma technology.

This has been taught in Private Teachings for Medical Professionals directly by M.T. Keshe, as part of the teaching program of KF SSI Education.¹⁸

With the new understanding in the world of the plasma physics and cosmology and the structure of the body of the man, it has become imperative to understand the totality of the creation of the physical body of the man in GANS plasma condition and not in matter state as it is considered outside the body of the man.

To this effect to be able to work with the same materials and the same conditions as the physical body of the man in the GANS plasma condition, there has been the need of creation of new plasmatic materials and a new understanding on how elements are created and operate in the body structure of the man.

In the new GANS plasma technology we produce materials exactly in the salt environment as it is

produced in the body of the man and we connect different salt elements in the state of plasma to create conditions for the transfer of energy which are exactly similar with the transfer of energy within the structure of the body of the man to manifest the physicality of the man inside and outside.

To this effect in a new process which is developed by Mehran T. Keshe¹⁹ and has been explained in book number 3, *The Origin Of The Universe*²⁰, he has for the first time shown that matter, through the simple use of rapid high-temperature evaporation and natural or rapid cooling, can be changed to a nanostructure of itself. In placing this nanomaterial within a salt environment with the not-nanocoated matter of itself or in conjunction with another metal or non-metal, can produce condition to separate nanomaterials, to nanomolecular atoms – GANS (GAs in Nano State).

In this process of creating GANS, the presence of nano material in the container creates that MaGrav conditions similar as the one of inside the body of the man and so the material produced in this environment is and becomes the replication of the same environment as of the body of the man.

If the GANS is transferred into a vacuum condition as of the one of the body of the man then the GANSes will manifest themselves in the same structural behavior as one sees in the body of the man.

In combining different salinity ratios and different salts ratios, and different mixtures of salinity and salt ratios, the body of the man creates different tissues and different functionality for those tissues.

For the first time, with the new knowledge in GANS plasma technology, we can replicate and produce not only the GANS amino acid which leads to the creation of tissues but at the same time, we can dictate the structure of the tissues by choosing the right GANS amino acid with the right salinities and right mixture of ratios of different salts and their salinities.

For example, we can construct a full tissue of the heart using the materials of GANS amino acid and in different mixtures of salinities and ratios of salt and mixture of other elements leading to the creation of the tissue of the hearth, or the lining of the stomach, or the skin of the man, and even the brain tissue.

In this process, at the same time, by producing GANS and adding these GANSes into a pure water or liquid environment, the GANSes will transfer a copy of their energy and their strength to the molecules of the relevant material in that environment.

At the same time, once these GANSes are produced and have been added to any natural pure water, they will transfer the plasmatic energy of the GANSes to any matter which can receive the energy of.

The new and simple development of the production of the GANS using salt content in an acidic environment is a major step forwards, where for the first time the scientific world can produce elements as a copy of the body of the man cells and organs, which not only have a structure but can exchange energies for replication and life. This has been the biggest secret of the creation in how to use the acidic and alkaline conditions for the transfer of energies and growth of the cells on a continuous basis as it is done in the body of the man.

Both have the capability to replicate and at the same time maintain a continuous reproduction capability and energy to live at the same time. This is why we see the environment of the body of the man is repairing cells and producing cells continuously as the acidic production which is at that extreme salinity can jump from acidic to alkaline to create and energize at the same time in the same environment.

Slight variation in salinity became acidic in the other side and this becomes the reason for the creation of life and release of energy at the same time. This is a mystery why the body of the man can produce cells on a continuous basis.

If this principle will be understood by the man, mankind does not need time for the rest to allow recuperating energies to recover the cells, where in environment of alkaline and acidic he can immediately recuperate and feed at the same time. Therefore, the man will not need to rest to rebuild cells and will not need food to be able to operate.

In the new Universal Body Enhancement Spaceship Unit developed by the KFM Austria GmbH, is designed to be a copy of the womb of the mother to an embryo, to feed, repair and energize cells at the same time, in the same system.

The preliminary system for this function has been tested in China since April 2019. The final fully operational version of the system will be shown in July - August 2020 for the first time in public (Figure 7).

The interaction of these GANS materials in the Universal Body Enhancement Spaceship Unit, as they are similar to the structure of the body of the man, can interact and repair the damaged cells in a much faster way.



Figure 7. Universal Body Enhancement Spaceship Unit

With this new technology, one does not need to use the GANS material itself and can use as a medium the water, or any other liquid of materials, or environments, which have been in contact with the GANS or had been in dilution with the GANS. The energy of the GANS is transferred to the selected medium and by using the GANS or the medium the user will receive the appropriate energy which can affect by changing the environment to its original field strength condition.

To use the property of the GANS in an effective way for health it has to be understood that the entity to receive the benefits of the fields transfer has to be in between two GANS mediums of different volume to create a gradient of the transfer of fields from one to the other. In this

process the intermediary receives or releases energies from itself to the MaGrav energies of the GANS in transitions from one to the other. In this process the entity has to be sandwiched between two different GANS mass volume gradients for it to become part of the environment that could be benefited by this transition of fields from one GANS environment to another.

The most fundamental criteria with the GANS plasma system is to create a heartbeat similar to that of the body of the man, which the difference between the beat amplitude and frequency becomes cause of the release of the energy of the GANS, in which case the gradient will not be necessary.

This is the secret of the creation and maintaining life on this planet and in the universe, where even the Earth has a heartbeat, as does the body of the man or a tree. Where the repetition of the heartbeat in a way squeezes rhythmically and continuously the same energy balance from all GANSes of the cells of the body at the same time and simultaneously.

This GANS plasma technology is developed to maintain such a heartbeat and will be the corner stone of the ability to be able to utilize and harvest the property of the GANS in the body of the man and in the universe, in the upcoming systems to be shown internationally by the KFM Austria GmbH.

The heartbeat of the man is the gradient which the GANS plasma of the body of the man needs to receive, maintain, and work through.

For the first time in the science of the man Mehran T. Keshe has managed to replicate the true nature and heartbeat in a system as the heart of the man in a natural and universal manner.

This GANS plasma energy release and the heartbeat technology was shown and demonstrated for the first time to public in a conference in Vienna, Austria, in September 2019 to the world ambassadors, diplomats and Knowledge Seekers.



Figure 8. Conference in Austria, Vienna, September 2019 where the heartbeat system was demonstrated

In the GANS production units developed to create and replicate the condition of the body of the man in atmospheric conditions one always produces a very thin layer of fatty substance accumulating on the surface of the water.

This is the natural GANS amino acid, and this is how the amino acids are created on the surface of the waters of the planet which then, in their interaction with different elements and salt of the seas leads to the creation of initial stages of life cycles on this planet.

Once this GANS amino acid mixes with Iron within the oceans, it leads to the creation of hemoglobin. If mixed with Magnesium, it leads to the creation of plants. If mixed with a lighter salinity, it leads to saltwater fish and animals. If mixed with a higher level of Magnesium, higher salinity, and Carbon Dioxide (CO₂), it leads to the creation of white meat. If this GANS amino acid mixes with Magnesium, Copper, and Zinc, it leads to the creation of the neural system and red muscle tissue.

As the GANSes are produced, due to the combination setting of the GANS production system and the nanomaterial used, MaGrav field forces created within the system lead to the manifestation of the plasmatic field within the GANS production system and this pulls in through the medium introduced in the system, all the elements of the GANS amino acid.

In conjunction with the salt in the medium, these plasmatic energies convert into the matter state of themselves and in combination, it produces natural pure GANS amino acid of the strengths of the materials which have produced them.

As an example, on top of the CO₂ GANS production system, we see the GANS amino acid which has the strength of CO₂ and on top of the Zinc GANS production system, we see the GANS amino acid with the strength of the Zinc Oxide (ZnO), which is appropriate for the neural system. In all cases, it could be used for the repair of cells or energy transfer to the cells. The GANS amino acid in conjunction with a very small amount of GANS from the system that produced it is one of the essential parts to be used in certain applications of the GANSes.

VI. MATERIALS, MEASUREMENTS, AND DOSAGES OF GANSES

The transfer of magnetic plasmatic field of the GANSes to the medium is constant for all elements of the same and medium of the same. For example, if we use the GANS of CO₂²¹ made in this manner it will have the same strength and spectrum of strength if it is made anywhere on this planet. If a given medium is used anywhere for the same spectrum of GANSes, the MaGrav strength received by the medium is about the same anywhere on this planet.

For the scope of this trial for Coronavirus specific combination of materials shape and combination of nano and non-nano materials with given salinity of the Sodium Chloride salt (NaCl) was chosen to be the right environment to produce the right GANS that could interact with the Coronavirus' plasmatic fields. That in interaction with the GANS the Coronavirus being of a higher order strength will try to transfer its energy to the GANS introduced to bring it to balance with its own operation and strength of MaGrav and, by applying a large number of molecules of GANS plasma water to the body of the man, inside or outside, being created to have the amino acid strength of the element of Coronavirus can lead to the depletion of energy from the Coronavirus.

The secret to know that we could interfere with Coronavirus was the fact that Coronavirus could attach itself to the human cell. Which means that Coronavirus had amino acid strength of the cell of the body of the man and in the strength of the Magnesium, as the lung of the man is made of Magnesium and Calcium mixture in conjunction with their amino acid field strength.

As we knew how to make the GANS amino acid field strength of CO₂ and Copper at the strength of Zinc Oxide, it was easy to create the Magnesium strength GANS with a spectrum of the GANS of Calcium that could be matching field strength of the Coronavirus.

The success in combating this Coronavirus over 90% success rate has proven the correct method of calculation of the GANS material for interaction with Coronavirus. As it is said in English the proof of the pudding is in eating it; and the Coronavirus victims from the nation of Iran drank it and proved it.

Coronavirus has shown to have MaGrav field strength within the effective and active spectrum of its field forces which has the inertia strength MaGrav field forces of the Calcium. Creating this inertia MaGrav strength within the cell leads to the conversion of Calcium seeds that exist within every cell in the body of the man to manifest itself in matter state GANS of Calcium in that cell.

Consequently, in the interaction of the Coronavirus where any cell or environment of the liquid of a cell or any environment which has a MaGrav strength of the Calcium in contact with the Coronavirus can convert the Calcium strength plasma field of that cell to GANS matter state of Calcium, which is in the structure of the bone of the body of the man. In MRI it is observed as calcification of the lung or other parts and organs where Coronavirus has interacted with.



Figure 9. Calcification of Coronavirus in the lung

This being the reason why we see calcification of cells in all organs, like the lung, and others. One can see this effect of Coronavirus on the lung tissues and liquid tissue of the lung of the man in Figure 9.

By understanding this strength of the calcification of the virus, we had to devise and develop a single technology which in its essence

could create plasmatic magnetic gravitational fields of the Calcium at the field strength of the Coronavirus. That by appropriately applying or bringing this GANS or GANS plasma water in the proximity of the Coronavirus infected cells of the body which have calcified, not only one can deplete the energy of the GANS of the Coronavirus, but at the same time, by retracting the energy of the virus allows the cell to return to its original Magrav field strength and then one can observe, by the long term use of this GANS or GANS plasma water, the disappearance of the calcification within the cells of the body of the man.

For the coronavirus M.T. Keshe, as a gift to the Chinese community on the Chinese New Year, on January 24th, 2020, released a new simple designed GANS production system. In its design, this system can develop all the elements needed for the decalcification of the lung tissues and reduction of the energy of the Coronavirus at the same time. This design which was introduced and was gifted to the Chinese government and its nation is known as “One Cup One Life”.

The design is a single cup as seen in Figure 10, with water as a medium, of 15% salinity with Natrium Chloride (NaCl) salt, where one nano coated Copper spiral is positioned within the center of the cup and one pure bare Copper spiral (purity >99.99%) and one pure bare Zinc flat plate (purity >99.995%) positioned on the inner side of the cup, in diametrically opposite sides of the nanocoated Copper spiral.

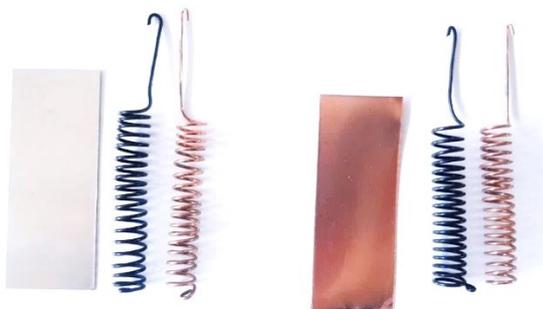
The selection of spiral-shaped and flat-shaped materials in the cup has a specific reason for the creation and production of different elements and different magnetic fields of GANS plasmas to be effective for the interaction with Coronavirus.

The report referenced²² shows how effectively one can use the magnetic fields in three different ways to create GANSes and matter state field strengths. In connecting the two bare metal elements together and then by connecting this to an intermediary bare copper wire with the nanocoated wire in the center, through the slow plasmatic current flow in the wires, a combination of GANS strength materials (Figure 10) can be created that could replicate a weaker version of the Coronavirus field strength on the cell of the body of the man.

The structure of the cup known as Cup of Life 1 is for the tissues affected by Coronavirus, in the lung, brain and nervous system (mainly what are known as white tissue) was then followed by the Cup of Life 2, known as the cup of the physical body of the man by replacing the Zinc metal plate with a Copper metal plate.



A. Cup of Life Sets



B. Cup of Life Component Sets

Figure 10. One Cup One Life. Cup of Life 1 (left A and left B). Cup of Life 2 (right A and right B)



Figure 11. One Cup One Life with GANS Cup of Life 1 (left); Cup of Life 2 (right)

As the Coronavirus mutated to new versions that have the capability to infect the kidneys, stomach, liver, reproductive organs, skin, blood, etc. (mainly what is known as soft red tissue), M.T. Keshe introduced a second Cup of Life for the soft red tissue of the body of the man known as the Cup of Life 2. These cups are now known as “One Cup One Life” and they are used effectively by millions of people around the world for its uniqueness as it serves for the prevention, protection, detection, and eradication of the Coronavirus and its mutations.

In connecting the systems in this manner, the GANSes of CO₂, ZnO, field strengths of Magnesium, field strengths of Calcium were created within the Cups of Life, with some GANS plasma field strengths converting to matter state and some remaining in the field strength state (Semiquantitative XRF analysis, 2020)²².

Created to cover the cells of the white tissue field strengths in the body of the man, the Cup of Life 1 GANS field strengths show themselves in the visual spectrum of the eye of the man as shades of white and Copper red color, at times with sea-

green reflections. Depending on the GANS plasma field strengths, the Copper red color derives from the spectrum of Copper GANS plasma, the white color is closer to the spectrum of the ZnO GANS plasma.

Compound	Concentration (%W/W)
Cl	11.49
CuO	7.76
ZnO	6.47
Na ₂ O	4.98
CaO	1.56
SO ₃	0.458
P ₂ O ₅	0.110
SiO ₂	0.036
Fe ₂ O ₃	0.012
LOI*	67.08
Total	99.96

* Loss on Ignition (1000 °C, 2 h)

Figure 12. Content of elements in Cup of Life 1 shown by the semiquantitative XRF analysis results report by Isfahan university laboratory in Iran

The Cup of Life 1 produces at the same time due to the interaction of the fields, GANS plasma of CO₂, the GANS amino acid at the strength of the CO₂ and Copper, and at the same time, magnetic gravitational fields of Magnesium, Phosphor, and Sulfur field strengths.

These MaGrav fields created in the Cup of Life 1, due to the turn of the spiral effect of the nanomaterial, in interaction with the inertia of the planet once opened up for material testing will show themselves in matter state of the mentioned different elements, as was explained in the above sections.²²

Similarly, created to cover the cells of the red soft tissues field strengths in the body of the man, the Cup of Life 2 GANS field strengths show themselves in the visual spectrum of the eye of the man as shades of sea-green Copper Oxide color, at times with orange-red Copper reflections. In the Cup of Life 2, the GANS amino acid with a strength of plasma of the Copper and matter inertia of the Copper is produced which is needed for intestines and other soft red tissues in the body of the man. Therefore, it can be seen with a slight variation in positioning and formation of materials how easily different materials field strength in the form of GANS plasma can be produced.

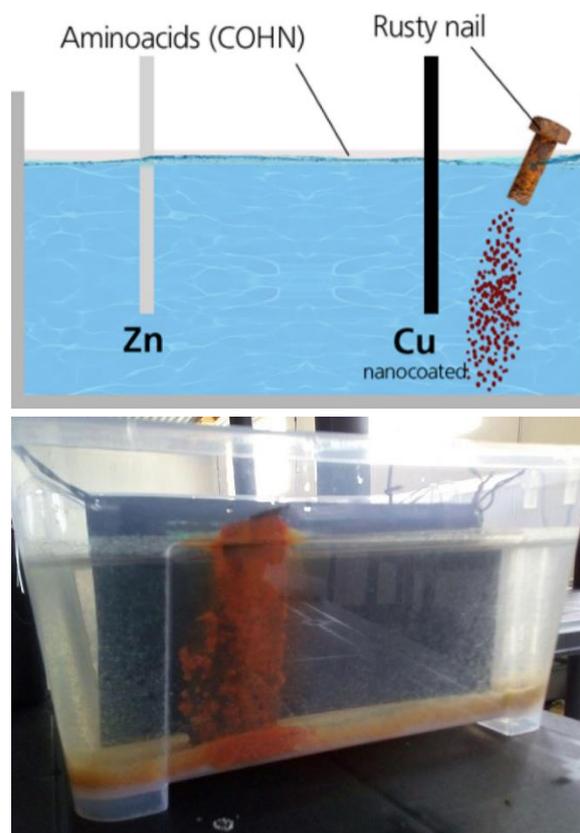


Figure 13. The first version of a GANS capturing system producing hemoglobin. Schematic production system (top). Production of hemoglobin in real condition in the laboratory of Italy, by M.T. Keshe (bottom)

Furthermore, if in relevant experiments over years, using different materials in the similar environment it has been shown that man has the capability to produce CH_3 as an original sugar basic-block of life.

Similarly, for example one can produce hemoglobin as shown in (Figure 13) in a specific way in the presence of Iron and GANS amino acid within the environment of the system, in the same way as the hemoglobin is produced in the oceans for the first cycle of life, or creation of deuterium, hydrogen, etc.

The semiquantitative XRF analysis²² results report (Figure 12) by Isfahan university laboratory in Iran confirms the GANS matter content of this simple system, showing the correctness of the design of the “One Cup One Life” system, and the technology that we can see Calcium as a matter in this mixture.

This GANS plasma of Calcium produced in “One Cup One Life” in the strength of the Coronavirus Calcium and other elements field strength which is similar in strength, but smaller in quantity than the field strength of the Coronavirus encapsulating the cell, allows these fields of GANS plasmas and the fields of the Coronavirus to interact; this interaction leading to the process of depletion of the energy of the virus.

In real time, in the body of the Coronavirus infected person, once using the GANS, as there are many molecular GANS energy equal to the number of the molecules of water in our present interaction with the body, by drinking, inhaling and using by direct application on the skin and direct application by pulverizing and wrapping the body with the GANS material in steps and gradually reduce all the virus energy cells, leads to the eradication of the Coronavirus and the

recovery of the person. Laboratory tests done in China^{23 24} and Iran²⁵ have shown that the GANS plasma water is suitable for human consumption.

Water analysis done by Ghana Water Company tested the water to be suitable to be marketed as drinkable.²⁶

As it can be seen from the documents annexed, the water standards in Iran and Ghana confirm that the GANS water is equal or better in quality than drinking water, with plasmatic properties but with the structure and content the same as the standard drinking water in the cities. The plasma does not change the characteristics of the water but through the molecules of Oxygen that pass through the GANS and the GANS possessing the fields of Oxygen, like ZnO or CO_2 , having characteristics in common, the field transfer from GANS to water take place without changing the water properties.

From the water analysis and standard from Dr. Parastou Golshiri and Isfahan university and Iran water standard²⁷ we observe that the GANS waters have natural standard drinking water.

In 2016-2017, KF manufacturing, in trying to settle the first water production factory with GANSes in Ghana, the application for production of the water for the factory was submitted to the Ghanaian Food and Drugs Administration and Ghana Standards Authority for the factory and both have achieved certification for marketing as a natural drinking water to be spread across Africa. The waters were divided in categories, such as Zn, Cu, Mg etc. which all have been certificated to be marketed.²⁶

According to the standard board the GANS waters keep their properties for minimum of 6 months on shelve and the same is for the waters

produced by the people at home and for the waters in the manufacturing locations.

GANS water is to be considered as a natural drinking water with plasmatic properties which retains the physical property of the water. At the same time the characteristics of the plasma due to the interactions of the fields of the matter and plasma are both created out of the fields but different manifestation one to inertia and the other to the gravity, respectively.

GANS water in China has been used for the diabetic cases with huge success and it can be seen that serious diabetic conditions have been reversed using a specific condition of GANS waters to reverse diabetic blindness and foot damage thought diabetic within six weeks. The pictures annexed show the face of a Chinese man blind in one eye due to diabetic condition, with recovery within three months and his foot before and after within a period of six weeks. The GANS water consumption of a specific combination was of 200 mL per day.²⁸

GANS waters have proven over years across the world to be useful and tested by medical doctors for cancers and high blood pressure, Alzheimer's, Parkinson's, epilepsy. The new Universal Body Enhancement Spaceship Unit is to speed up the reversal of these conditions, to be launched in 2020.

Laboratory tests done on animals in China confirm that the GANSes are suitable and harmless for skin and can safely be used in the cosmetic industry in various cosmetic mixtures.²⁹

³⁰

Due to the simplicity of the production of the GANS and GANS plasma water, an easy method for measurement for different applications has been developed and tested over the years.

To this effect, we had to create a common measuring tool for the use of the GANS plasma water for health, agriculture, and any other application, where we measure the amount of the GANS plasma water that can be used for a specific purpose or a combination of GANSes that can be used for specific given applications.

If the GANS plasmas are used, they are measured by the proportion of milliliters, in gradual dilution from 1% to 99% in any medium. For example, one can take 200 mL of GANS plasma and add it to 800 mL of the medium and by shaking the solution then take a given measure of the mixture, for example, 50 mL of the mixture.

This considered that whatever mixture taken will have 20% dilution of the GANS within it and the strength of this dilution is considered to be 20% of the full strength of the matter by order of magnitude.

The established method of using GANS plasma water, its effectiveness and its measurement is done in the following manner.

If 200 mL of ZnO GANS plasma is mixed with 800 mL of water this is known as a standard "20% mixture".

After the sedimentation of the GANS plasma at the bottom of the container, one takes 50 mL of the clear water from the top of the GANS, then this GANS plasma water has the same strength anywhere on this planet for any ZnO value of production.

Consequently, when we discuss the measurement of the intake of any GANS plasma or GANS plasma medium, it is based on this principle and it is considered as a standard set for any GANS plasma mixture with a medium.

In specific conditions, we produce dehydrated GANS and measure this by milligrams in which 10 mg of GANS powder is considered as a standard within the medium in which it has been dehydrated in.

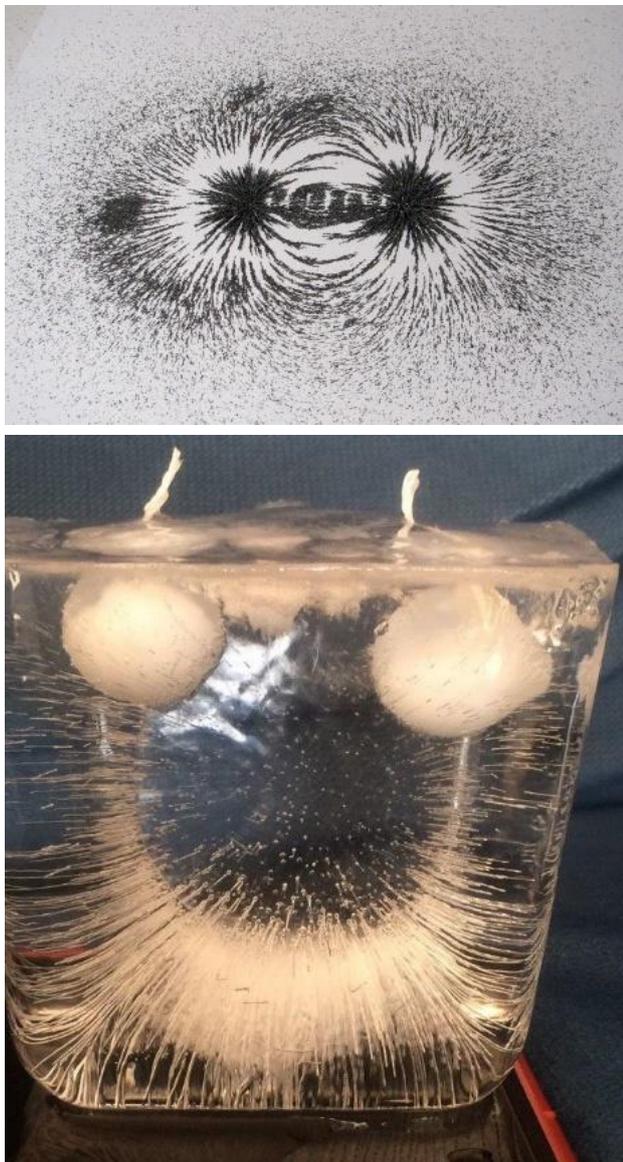


Figure 14. The similarity between MaGravs fields of the magnet with Iron filing(top) and the GANS in water (bottom)

In GANS plasmatic field detection tests with GANSes and GANS water we had to show that these produce a plasmatic magnetic field that can be visualized. One of the ways to visualize the MaGrav fields of GANSes is to place the GANSes or the GANSes plasma water in a sealed

ball and place that ball in a container full of water, allowing it to freeze in a very slow way in the freezer. Initially, this was shown in 2015 – 2016 by the Keshe Foundation Spaceship Institute in Italy and now it has become a regular feature in being able to see the MaGrav of the GANS. This process is, in fact, very similar to when we use a magnet and iron filings that we can see the pattern of the magnetic fields coming from the magnet's poles as in Figure 14.

In these detection tests, we can show the effect of the plasmatic fields of the two GANS balls in the system, where the interaction creates a third ball balance field between the two as shown by the red mark in Figure 15 (top). In reality, there is no GANS and no matter, but this third ball plasmatic field shapes are created out of the interaction of the fields of the two GANS balls.

This is very much the representation of real-life when dynamic plasmatic fields of two cells (for example, the egg and the sperm) interact and create the third ball which is the balance field ball without tangibility, created from the interaction of the fields of the two initial entities.

This third plasmatic magnetic field created by the interaction of the plasmatic fields of the GANSes from the two balls, is what we are commonly call the soul of the system, where the two balls are interconnected through their fields, but not physically.

This is how all the cells are interacting in the body of the man and it is how we see the space gaps and cavities in every layer in the tissues of the body of the man.

When you have many more GANS plasmatic cells like the cell of the man then this leads to the creation of the soul of the man. Within this

process, it is shown that the soul of the man is within the structure of the physicality of the man, and not outside it. This has been a dilemma in both the world of theology and the world of science and medicine.



Figure 15. GANS plasma fields strenght without the presence of GANS itself

This feature of line patterns in ice is unknown if one freezes normal waters in the two balls. In reality, the two GANS balls opposite to each

other behave like the two ends of a magnet and this is why we see the interaction outside it. If we could submerge the two balls in the center of the ice, we would see that the soul of the two would appear in the center, between the two. This is what is known as zero-point field balance where all the fields of the two balls interact and the matter state of the fields with the inertia of the water leads to the manifestation of the center ball or, what we call – the soul.

In the body of the man, this is, in fact, the space between the soul of the man and interaction with the soul of the physicality of the man, which manifests itself as the brain of the man in the physical structure.³¹

The center ball represents a tri-dimensional balance field energy between the two magnetic fields of the two different GANS balls and takes shape gradually until all the fields show their field lines and the interaction balance of the interaction fields. If the box is kept in for long enough in the freezer this ball will take a life of its own and will start living as an independent entity with a dynamic life and this ball will contain the full spectrum of the field strength of all the elements in both balls and the interaction of the fields in both balls. Therefore, we can physically illustrate the plasmatic field flow in water from the GANS material.

If one looks at the schematic direction of flow and motion of the fields in Figure 16 (top). one sees as in the Figure 16 (bottom) the toroidal motion of the fields out of the GANS in the line of the flow from the North to South pole in anticlockwise direction showing the gravitational fields or from the South pole to the North pole in clockwise direction showing the magnetical fields of the GANS plasma ball. In this ice block, one sees a dynamic toroidal

rotation around the central line tube fields connection between the two poles of the ball and noticing how a toroidal field force is established along this central line tube fields moving between the two poles.

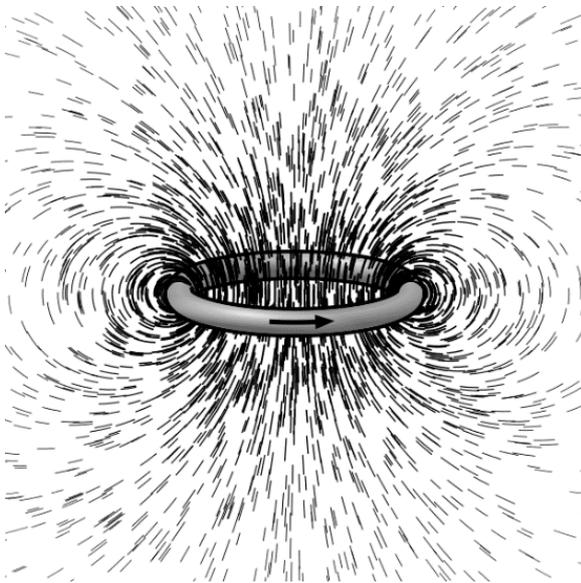
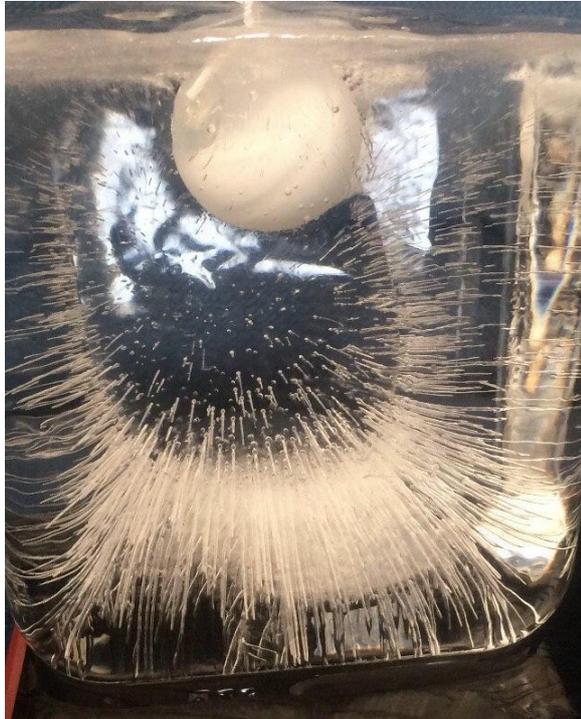


Figure 16. Tridimensional toroidal field forces can be for the first time be seen in reality by the magnetic field of the GANS

If the ball in Figure 16 was a planet, due to its angle of fields and motion of the GANSes inside

will create a very similar lifestyle as on Earth, with the same seasonal life and temperature.

The measurement of these fields as they are very low can only be done in a specific way. The reason for this is that these are the magnetic fields of the matter of plasma condition state and are very similar to the magnetic field of the energy of life. This needs in a specific way to be measured, using a special equipment developed for life energy measurement and can be standardized per volume in a liquid matter or dry GANS plasma.

The measure of the strength of the fields can be done by testing the voltage and amperage current flow of the life energy and can be standardized for every gram or collection of grams of that matter. This equipment is used by KFM Austria GmbH in conjunction with specially developed sensors using MRI systems for reference pointing of the fields.

In the future 3D MRIs imaging using this technology becomes a reality and all the fields around every organ and tissue can be seen to find the point of defect which this new technology will revolutionize the world of medicine to the pin-point accuracy of every cell and every organ behavior and plasmatic energy, where a new GANS can be introduced to bring back to normality the organ by the interaction between the GANS introduced and the magnetic field of the cell of that organ, which in itself is in a GANS state.

As GANSes interact with the viruses, this clearly can show that GANS itself has an energy and its energy can dissipate within the body of the man in a specific manner that can create dynamic rotating fields which confirms the energy within the GANS.



Figure 17. GANS vortex energy fields flow in an ice block

In Figure 17 one sees the ball of GANS on the top and as the GANSes MaGrav fields do not freeze, in their interaction with different fields of the water they are placed in, create such vortex energy field flows as it can be seen in the ice block. This shows the dynamic plasmatic magnetic field energy in the layers and the confirmation of the dynamic structure of GANSes. This ice block was developed over 24 hours in a freezer environment and we clearly can show that GANSes create magnetic fields and these fields can only be shown in the medium like water.

VII. THE HISTORY OF THE GANS AND VIRUSES

The theoretical concept of GANS was set around 1996 – 1997. GANS was originally first produced and tested in 2006 – 2007.

After the discovery of the creation of gravity in 2000 and confirmation of the theory³² and practicality of producing the first energy and MaGrav system in Belgium in collaboration with VUB³⁰ and leading European satellite space manufacturing company, it was easy for M.T. Keshe to be able to produce a small live version system which now is internationally known as GANS (gas in nano solid state).



Figure 18. Iranian flight system reactor in operation



Figure 19. The first from the right-hand side and the second from the left-hand side are the twin flight systems developed in Iran in 2008

The GANS is a creation of the atmospheric condition on this planet in a weaker MaGrav;

where the flight system is the same, but with different strength of higher strength for flight, defense, and motion of the matters in the space systems developed by M.T. Keshe. The original system was tested in Iran in 2008 (Figure 18 and 19).

The test for the confirmation of production of CO₂ and ZnO GANSeS was then conducted by the Department of Chemistry of Ghent University, Belgium, using Raman and Infrared spectroscopy in 2009 showing the creation of CO₂ and other elements, as is disclosed in the Book 2¹⁹ and shown in Figure 20.

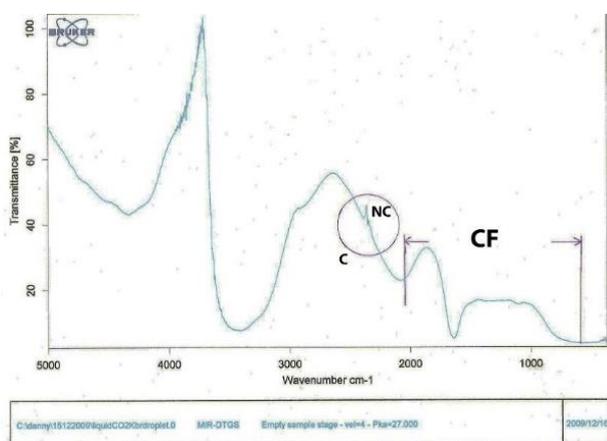


Figure 20. The graph of conversion of CO₂ into formic acid within the chamber

In 2019 Chinese national securities, in taking a sample from M.T. Keshe further confirmed that the CO₂ GANSeS produced through these systems creates a large spectrum of different CO₂ strength GANSeS which will have different applications and implications in the world of science.

It has to be noted that this is the first time that man can feel and see gases like CO₂ in the ambient temperature, which itself is a major breakthrough in the world of science as before we could only see gases at high pressure or negative temperature.

Since its discovery, the GANS has been produced in singular and composite forms of different or multiple elements. Various GANSeS have applications for the benefit of plant and animal growth in Farming and Agriculture; some have properties that are used in flight, motion, and positioning in Space development; some types of GANSeS are beneficial for the Energy production systems as viruses do (see chapter III, subchapter 'THE ENERGY BETWEEN THE CELL AND THE VIRUS').

In the process of the production of GANS has the ability to produce natural GANS amino acid. This means the GANSeS automatically link up with the MaGravs field strength of the cell of the body and use it as a reference strength. In any Coronavirus infected cell which has a different MaGrav strength is considered as extra or stronger fields which due to the presence of CO₂ or ZnO or CuO then the GANSeS require or interact to extract or to interact with these infected cells and in the process drain their energy due to the plasmatic balance. Viruses can be used for energy production, while other forms of GANSeS can be effectively used in Health applications due to their antibacterial and antiviral properties.¹⁵

At the outbreak of the Ebola virus in Africa by the request of the ambassador of Sierra Leone by order of the president of the nation, the GANS materials were taught to the professors at South Sierra Leone university and were used effectively to curve the Ebola virus.

In 2018 by the request of the Chinese national security and government, as M.T. Keshe was a resident in China at that time for various ongoing projects, he was requested to find a viable solution for the African Swine Fever and the virus causing it.

After two small scale trials in 2018³³, the third trial of larger-scale was conducted in February 2019, by providing a swine farm of 829 confirmed infected pigs with GANS plasma materials and protocols.

The three days between the time of discovery and separation of the pigs, until the Spaceship Institute Chinese team arrived at the scene, 72 pigs already died of the virus infection. After 14 days, 725 pig survived and were tested, and the results showed no traces of the virus.³⁴

In early January 2020, while M. T. Keshe was in one of his most recent trips to China at that time, the outbreak of Coronavirus was announced by the Chinese government. Once again, knowing that the system worked with the African Swine Fever virus, the Chinese national security officials requested his help to find a solution for Coronavirus as well.

On the eve of the Chinese New Year, on January 24, 2020, M. T. Keshe devised a new system known as “One Cup One Life” and was gifted to the Chinese nation through a live recorded video showing how to make and use the system for each individual to support itself and their families to overcome the virus.

In February and March 2020, the Chinese national security apparatus tested the GANS provided by the Keshe Knowledge Seekers team in China, separately and in mixture with Chinese herbal medicines, in medical university hospitals in China and confirmed the GANS plasma as a solution for the Coronavirus.

Subsequently, the Chinese army, in collaboration with the Chinese Knowledge Seekers started the production of large amounts of GANS water for cleanup and eradication of viruses in Wuhan city,

China. The recorded conversation of the officials and Keshe Knowledge Seekers has already been released to the public through the weekly Thursday Knowledge Seekers Workshop program, in the 319th session, on March 12, 2020.³⁵



Figure 21. One Cup One Life gift to the Chinese nation, January 24th, 2020

The outbreak of Coronavirus reached and heavily affected Iran, ranking second after China in the number of new cases and deaths per day, according to online independent statistics in February 2020.

The Iranian Knowledge Seekers knowing that M. T. Keshe was supporting the Coronavirus solution in China, they have requested for help and immediately many online chatrooms were set up to provide help, support, and giving information on how individuals can create their own GANSes with Cup of Life 1 and Cup of Life 2. This movement lead to a reduction in the number of deaths and the spread of the Coronavirus pandemic in Iran at that time.

These chatrooms created over 90 000 families and groups in Iran who became the support for

their families, friends, and communities across Iran. According to statistics, the intervention of the new GANS plasma technology in the Coronavirus has had a major effect on the reduction of deaths and the spread of the disease in Iran.

Using the newly discovered Keshe GANS Plasma Technology, as was announced by Iranian health officials on national television, Iranian doctors cleared the emergency wing of Mahallat City Hospital that was full of Coronavirus infected patients. The hospital using the GANS Plasma technology, cured more than 100 infected and home quarantined people in 14 days.

Mahallat City has a population of 50,000 inhabitants and has been disinfected with the GANS plasma technology and is now free of Coronavirus since late March 2020. Before intervention with the new GANS plasma technology, the hospital had one to two deaths per day from Coronavirus.

There are no new infections and no deaths in this city since the application of the GANS plasma technology.

The same as in China, Iranian government officials in the TV interview³⁶ covered the new plasma technology under the banner and names of nano, quantum, and new advanced traditional medicine. This was done for the public and the international community not to become aware of the new GANS plasma technology under trial in Iran.

On the success of these, the Iranian officials through the National Defense University monitoring and testing on approximately 200 patients independently, as it was announced in the television program, started supporting the

technology to be used openly in the hospitals in Iran and have become the supporters of this present scientific paper.

Now, due to this success, M. T. Keshe in conjunction with the National Defense University in Iran and Iranian officials by releasing this paper will jointly support all other world nations to go through the same process. With the use of this technology, every nation can support its citizens to overcome this virus without the need for vaccination or chemically produced medicine. The work done with Coronavirus GANS solution will create the base for long-term support for any future viruses which may manifest themselves over time.

The GANS plasma technology is replicating the natural work of every celestial body in the universe, and therefore it is a natural process.

GANS was a material unknown to man up to now.

The cost of saving a life using GANS plasma technology as a natural process is less than 10 USD and it can be adjusted to be used on any potential future outbreak of viruses.

This new technology can be used at the point of an outbreak and in the case of any virus mutation after the outbreak, as it will happen with the man in deep space travels.

VIII. GANS PRODUCTION PROCEDURE FOR TRIALS

Raw materials and methods of setting up GANS manufacturing for trials:

This research was carried out in the spring of 2020 at the Higher National Defense University and Imam Khomeini Hospital in Mahallat city, as a form of exploratory, applied, and survey research.

Using clinical monitoring along with conventional medicine, the results of recovery and the effects of treatment methods and protocols have been studied.

Raw materials for making Cup of Life 1 and Cup of Life 2 GANS materials include:

- Copper metal of purity >99.995% (cord or wire and plate). The Copper used in this trial was sourced from Sarcheshmeh Copper Complex located in the Kerman Province of Iran.
- Zinc metal of purity >99.995% (plate). The Zinc used in this trial was sourced from Gerd Roush Pars Company.
- 1-liter containers (plastic or preferably glass).
- Sea salt (or iodine-free kitchen salt).
- Water.
- Plastic syringes.
- Electrical power cables. Such cables can be purchased from city-level stores.
- Pipe cylinder or metal rod or a simple pencil to be used for the creation of wire spirals.
- Heat protection gloves.
- Needle nose pliers.
- Fire torch.

CUP OF LIFE 1 GANS



Figure 22. Cup of Life 1 (side view)



Figure 23. Cup of Life 1 (top view)

The preparation of Cup of Life 1 GANS (Figure 22) is as follows:

Two pieces of bare Copper wire, each of 30 cm in length are turned into spirals. Twist one end of the spiral to become a hook shape. This hook shape will, later on, be used to suspend the spirals in the GANS capturing system. Slowly burn one of the two spirals at a high-temperature flame. Using a fire torch, pass the flame over the entire surface of the spiral keeping it long enough to turn the Copper area into the red-rainbow shade in a constant slow move to cover the entire spiral from one end to the other.

! Warning ! Do not hold the Copper with your bare hands, use on both ends a tool such as a needle-nose plier to grab and hold the wire so that it does not conduct the heat to your fingers.

The area covered by the flame will become dark black. The blackening of the Copper surface is due to the repositioning of Copper atoms from the Copper in matter state to the outer surface, in an opened and spaced nano atomic structure. This is called Nano coated Copper.

Using a Copper wire to keep it suspended, the nanocoated Copper spiral will be positioned at the center of the 1-liter container. We then introduce in the system the non-nanocoated metals, respectively the second Copper spiral which is placed on one side of the container and the Zinc plate which is placed on the diametrically opposite side of the container.

The 3 components need to be connected together. Tightly twist-tie to each component one Copper wire.

(A) One Copper wire to the Zinc plate.

(B) One Copper wire to the nanocoated Copper spiral

(C) One Copper wire to the bare Copper spiral.

(D) A small standalone Copper spiral.

Twist together the free ends of the Copper wire (A) and the Copper wire (C). Tightly connect these twisted ends to one side of the Copper spiral (D). Tightly connect the other end of the Copper spiral (D) to the Copper wire (B).

Note: Make sure that the three components suspended in the container DO NOT touch each other.

Add 150 grams of salt to 1-liter water to create a 15% saline solution. Introduce the saline solution to the setup prepared in the container, without going over the metal elements. The saline solution must reach approximately 1 cm under the upper end of any of the metal elements from the setup.

The Cup of Life 1 GANS formation process will begin. The GANS sedimented at the bottom of the container can be harvested from the systems after 24 hours, using the plastic syringe.

Additional saline water of 15% concentration can be introduced in the same container to refill and continue the GANS capturing process.

The GANS which was removed from the container must be washed (desalinated) by adding fresh non-saline water and removing it from the top surface, once the GANS fully settles at the bottom. Repeat the washing process until the water loses its salinity completely.

This GANS saline water obtained from this process is referred to as GANS saltwater and can be stored for later applications

CUP OF LIFE 2 GANS



Figure 24. Cup of Life 2 (side view)



Figure 25. Cup of Life 2 (top view)

The preparation of Cup of Life 2 GANS (Figure 24) is as follows:

Two pieces of bare Copper wire, each of 30 cm in length are turned into spirals. Twist one end of the spiral to become a hook shape. This hook shape will, later on, be used to suspend the spirals in the GANS capturing system.

Slowly burn one of the two spirals at a high-temperature flame.

Using a fire torch, pass the flame over the entire surface of the spiral keeping it long enough to turn the Copper area into a red-rainbow shade in a constant slow move to cover the entire spiral from one end to the other.

! Warning ! Do not hold the Copper with your bare hands, use on both ends a tool such as a needle-nose plier to grab and hold the wire so that it does not conduct the heat to your fingers.

The area covered by the flame will become dark black. The blackening of the Copper surface is due to the repositioning of Copper atoms from the Copper in matter state to the outer surface, in an opened and spaced nano atomic structure. This is called Nano coated Copper.

Using a Copper wire to keep it suspended, the nanocoated Copper spiral will be positioned at the center of the 1-liter container.

We then introduce in the system the non-nanocoated metals, respectively the second Copper spiral which is placed on one side of the container and the Copper plate which is placed on the diametrically opposite side of the container.

The 3 components need to be connected together.

Tightly twist-tie to each component one Copper wire.

- (A) One Copper wire to the Copper plate.
- (B) One Copper wire to the nanocoated Copper spiral
- (C) One Copper wire to the bare Copper spiral.
- (D) A small standalone Copper spiral.

Twist together the free ends of the Copper wire (A) and the Copper wire (C). Tightly connect these twisted ends to one side of the Copper spiral (D). Tightly connect the other end of the Copper spiral (D) to the Copper wire (B).

Note: Make sure that the three components suspended in the container DO NOT touch each other.

Add 150 grams of salt to 1-liter water to create a 15% saline solution. Introduce the saline solution to the setup prepared in the container, without going over the metal elements. The saline solution must reach approximately 1 cm under the upper end of any of the metal elements from the setup.

The Cup of Life 2 GANS formation process will begin. The GANS sediments at the bottom of the container can be harvested from the systems after 24 hours, using the plastic syringe.

Additional saline water of 15% concentration can be introduced in the same container to refill and continue the GANS capturing process.

The GANS which was removed from the container must be washed (desalinated) by adding fresh non-saline water and removing it from the top surface, once the GANS fully settles at the bottom. Repeat the washing process until the water loses its salinity completely.

This GANS saline water obtained from this process is referred to as GANS saltwater and can be stored for later applications.

KESHE GANS 'ONE CUP ONE LIFE' SUIT

Out of the development of systems and equipment to support the eradication of Coronavirus, the Keshe Foundation Manufacturing China released in May 2020 the "One Cup One Life" suit to simplify the wrapping procedure of the GANSes during the protocols.



Figure 26. Keshe GANS One Cup One Life Suit

The Keshe Foundation Manufacturing Iran followed with the 'Keshe GANS Wellness Suit' meant to be used for the application of GANS plasma water patches.



Figure 27. Keshe GANS Wellness Suit

CONTRAINDICATION

If one has ever in their life course had:

- A. Organ transplants.
- B. Heart stent.
- C. Changed heart valves or pacemakers.
- D. Open heart surgery and vascular bypass.
- E. High blood pressure.
- F. Metal prosthesis inside the body.
- G. Infusing plate in the spine.
- H. Diabetes. There is a possibility of low blood sugar and therefore the need for insulin or pills may be reduced. It is necessary for one to check its blood sugar and then the preparation of the medicine to be always under the supervision of medical doctors. One should be careful not to lower or increase one's blood pressure or blood sugar too much.

In these mentioned cases, one should never use the GANSes, the GANSes plasma waters, or any of the below-presented protocols. If one does so, one does it at its own risk and responsibility.

CUP OF LIFE 1 GANS AND CUP OF LIFE 2 GANS MIXTURES

For an in-depth understanding of mixtures and measurements, please refer to the chapter **MATERIALS, MEASUREMENTS, AND DOSAGES OF GANSES** of this article.

∞ *GANS plasma mixture 1*: is obtained by adding 20% of Cup of Life 1 GANS to 80% of drinking water.

∞ *GANS plasma mixture 2*: is obtained by adding 20% of Cup of Life 2 GANS to 80% of drinking water.

∞ *GANS plasma mixture 3*: is obtained by adding 10% of Cup of Life 1 GANS and 10% of Cup of Life 2 GANS to 80% of drinking water.

∞ *GANS plasma mixture 4*: is obtained by adding 500 mL of Cup of Life 1 GANS plasma water, 500 mL of Cup of Life 2 GANS plasma water, and two daily dosages of Magnesium in the form of tablets, powder, or liquid, to be added into the solution. The final mix usually turns into lemon-yellow color.

Note: The application of the GANS on the skin is according to the certification and methods used by Keshe Foundation Manufacturing for the production of GANSes.

! Warning ! Never consume the GANS itself. Always collect 2/3 of the topwater (referred to as "GANS plasma water") after the GANS is fully settled at the bottom of the container.

IX. HOW TO DETECT THE PRESENCE OF THE CORONAVIRUS IN THE BODY UTILIZING GANS PLASMA WATER

In this research, for the first time, a natural way of using GANS is presented, through which a person that has previously contracted the Coronavirus in the lung (Figure 28 and 29), brain, stomach, reproductive system, skin, internal organs, in less than ten minutes, by only spraying GANS plasma water, a virus infection can be detected.

Cup of Life 1 GANS plasma water is only for the lung and brain Coronavirus infection and cannot be used for the detection of the virus in other parts on its own.

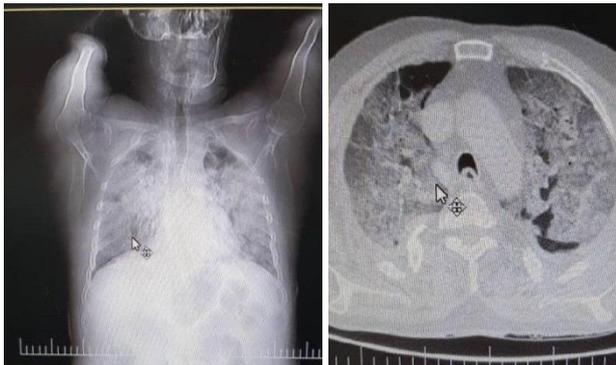


Figure 28. Coronavirus infection in lungs (male) in Mahallat city hospital

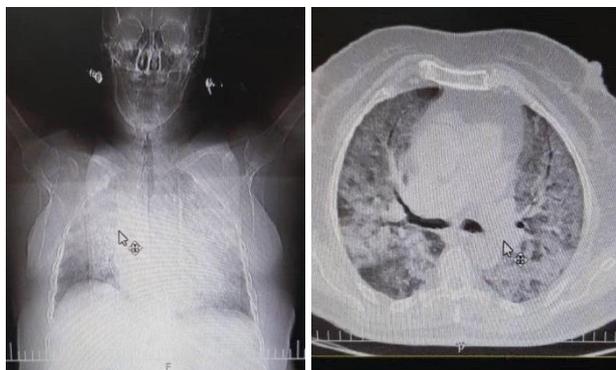


Figure 29. Coronavirus infection in lungs (female) in Mahallat city hospital

Cup of Life 2 GANS plasma water is only for Coronavirus infection of soft red abdominals' tissues (stomach, liver, kidney, etc.) and cannot be used for the detection of the virus in other parts on its own.

A mixture of Cup of Life 1 GANS plasma water and Cup of Life 2 GANS plasma water is used for Coronavirus infection in the red muscle tissue, bone, legs, arms.

RECOGNIZING THE CORONAVIRUS INFECTION IN WHITE TISSUES USING CUP OF LIFE 1 GANS PLASMA WATER

Spray the suspected of infection person on the head and lung only with fresh Cup of Life 1 GANS plasma water.

Within approximately 10 to 15 minutes after the spraying session, if the person complains of pressure or feeling of pain in the lung or head area, it can mean that the person could be infected by the Coronavirus.

This method can be used in emergency sections of the hospitals for fast confirmation of these two types of Coronavirus infection. Most of the patients with Coronavirus infection of the brain mainly do not show any fever and possibly do not have a lung infection.

Cup of Life 1 can be used for detection of those with infection on the respiratory organs, lung, respiratory tube, sinuses, nose.

RECOGNIZING THE CORONAVIRUS INFECTION IN SOFT RED TISSUES USING CUP OF LIFE 2 GANS PLASMA WATER

Spray the suspected of infection person's body from under the lung diaphragm down to the hip area only with fresh Cup of Life 2 GANS plasma water. Within approximately 10 to 15 minutes after the spraying session, if the person complains of pressure or feeling of pain in the stomach, intestines, reproductive system (testicles, prostate, ovaries, womb), skin, kidney, liver, bladder, and etc. it can mean that the person could be infected by the Coronavirus.

This method can be used in emergency sections of the hospitals for fast confirmation of these types of Coronavirus infection.

Most of the patients with Coronavirus infection of the stomach, intestines, reproductive system (testicles, prostate, ovaries, womb), skin, kidney, liver, bladder, and etc. mainly do not show any fever at all and possibly do not have a lung infection.

RECOGNIZING THE CORONAVIRUS INFECTION IN MUSCLE TISSUE AND BONE USING A MIXTURE OF CUP OF LIFE 1 GANS PLASMA WATER AND CUP OF LIFE 2 GANS PLASMA WATER

Spray the suspected of infection person's body on the neck, shoulders, arms, hands, finger, legs, feet, and toes only with a fresh mixture of 50% Cup of Life 1 GANS plasma water and 50% Cup of Life 2 GANS plasma water. Within approximately 10 to 15 minutes after the spraying session, if the person complains of pressure or feeling of pain in muscle tissues and/or bone, it can mean that the person could be infected by the Coronavirus.

This method can be used in emergency sections of the hospitals for fast confirmation of these types of Coronavirus infection.

Most of the patients with Coronavirus infection of the muscle tissues and/or bone mainly do not show any fever at all and possibly do not have a lung infection.

Usually, by spraying on the fingers and toes, the patient is relieved of some of the pain and this again confirms the presence of the Coronavirus in these extremities.

RECOGNIZING THE CORONAVIRUS INFECTION THROUGH THE NEW KESHE GANS TECHNOLOGY INTERPRETATION OF VARIOUS BLOOD ANALYSYS

From the blood tests of several people infected with Coronavirus and hospitalized, a more certain and less costly way to confirm the existence of Coronavirus in the body of the man was revealed to the scientists involved. In different stages of the illness, early and mid-stages we see an elevation of urea and creatinine and a drop in Calcium (Figure 30).

At the same time, in some cases it was observed an increase in Phosphorus and Iron. Interestingly enough, these figures showing the elevation and the reduction in elements, bring a clear cut towards understanding which organ or part of the system of the body is under attack by the virus. In some cases, reduction in Sodium is observed as well.

Therefore, for the first time, a simple criterion to prove the presence of Coronavirus in the body based on an increase in urea, creatinine, Phosphorus, and a decrease in Calcium in the

blood can be considered. This method as a way of diagnosis for patients with Coronavirus disease can be considered to be a less costly, faster, and reliable test with much more accuracy that can cover all types of Coronavirus easily (Figure 30).

The increase in Phosphor is the main concern that if this increase stays consistent, Coronavirus cancer can become a permanent feature in the body of the man for future cancers and genetic modification through DNA impression.

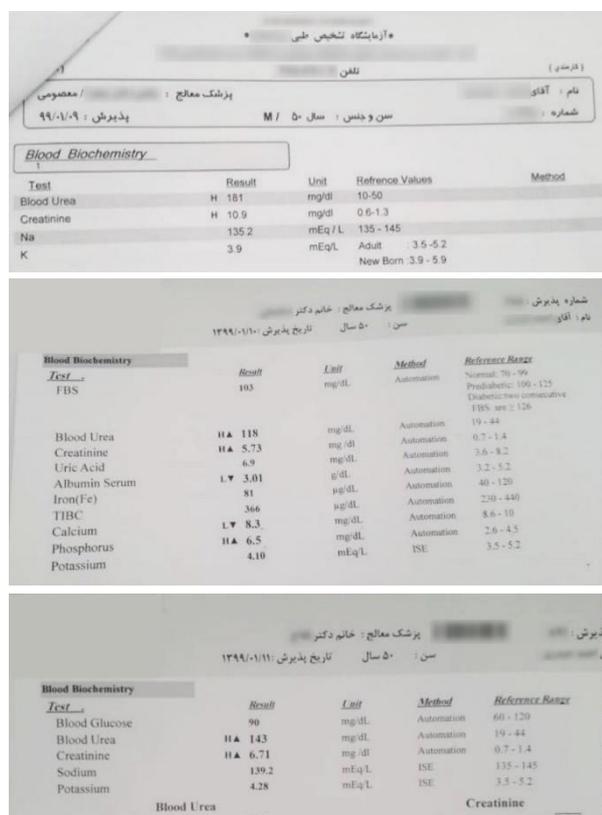


Figure 30. Blood analysis results from Coronavirus infected person who has survived using the Space GANS Plasma Technology in Mahallat hospital

In general, the increase in Phosphor and Sulfur variation can show depletion of Calcium where through the conversion of energy process by Coronavirus the body converts the energy of Calcium to the Calcium element in the matter state, due to the presence of the MaGravs

strength of the Coronavirus in the level of the inertia of the Calcium to support the calcification.

The present method of using Aluminum-based tablets to stop the conversion of Phosphor and Sulfur to Calcium can be a possible way during the process of calcification of Coronavirus. This is disputable and needs further research and investigation. In the history of the GANS plasma technology done under the doctors' supervision in two cases with a similar disease in 2006-2008 can confirm this transition to be possible.

In these two cases the body continuously converts Phosphor into Calcium and deposits it in the vascular system and interstitial muscle tissue which leads to calcification blockage of the blood vessels similar to the behaviour of Coronavirus in blood. In these two cases the calcification of blood lead to the blockage of the blood vessels of toes and amputation due gangrene. In one case the death of one patient was due to the damage in the wall of the heart.



Figure 31. Repair of fingers after calcification

The Figure 31 shows the real case of repair of fingers after the calcification in the blood vessels was reversed using the GANS plasma technology.

As one can see, the finger tips are deformed and this is due to the fact that the bones of these fingers were physically sticking out in the air as all muscle tissues of the fingers were destroyed from the gangrene and the bones were on their own.

Doctors, in wanting to amputate both hands from the wrist allowed the trial of the new GANS plasma technology to take place and within three months all the fingers were as one can see. This picture was taken over 13 years later in late 2018 from the patient.

For this reason and from the experience of the previously presented case, we can see how Calcium from the conversion of the Phosphor can lead to increase in calcification in the blood composition. This is the same process we see with certain heart cases, when we observe the blood thickening as reported by the Chinese and Italian scientists that have analyzed the blood of Coronavirus patients during autopsy.³⁷

At the same time for blood calcification which can lead to heart attacks, stroke and embolism can be foreseen by the level of Calcium, Phosphorus, Sodium, and Potassium in the blood. This should give a good indication that the person with the Coronavirus is heading for any of these three.

This is because the Calcium creates a new type of blood coagulation, thickening structure, which can lead to all the symptoms of internal bleeding, stroke, brain hemorrhage, and other diseases associated with this coagulation.³⁷

A new suggested method to reduce totality all the effects of Coronavirus would be the use of 5 – 10 % addition of Cup of Life 1 GANS plasma water to the Intravenous (IV) drip where this can

secure and assure continuous decalcification of the blood cells and remove the coagulation of the blood.

Intravenous (IV) drip of 5-10% of Cup of Life 1 GANS plasma water to the saline water seems to be adequate to be monitored over three days.

To be considered as a possible future research and development, the same addition of up to 2 % of Cup of Life 1 GANS plasma water and the possible addition of 1 % of the Cup of Life 2 GANS plasma water could be sufficient to be administered intravenously in the body of the man for the eradication of the cancers or the reduction of the size of tumors.

X. CORONAVIRUS PREVENTION PROTOCOL

How to possibly prevent contracting the Coronavirus using the new GANS plasma technology:

- ∞ **Drink**  Cup of Life 1 GANS plasma water in the amount of 100 mL, 3 (three) times a day.
- ∞ **Spray**  regularly Cup of Life 1 GANS plasma water in the areas from the lung diaphragm up to the top of the head, and Cup of Life 2 GANS plasma water in the areas from the lung diaphragm down to the knee area.
- ∞ **Breathe**  through a breathing system (shisha, nebulizer – Figure 32 or similar) as many times as possible, a minimum of 3 (three) times a day for 10 to 15 minutes per session.
- ∞ **Wash / Bathe**  the hands, face and body regularly with the mixture of 50% Cup of Life 1 GANS plasma water and 50% Cup of Life 2 GANS plasma water
- ∞ **Spray**  regularly the feet and up to the knees with the mixture of 50% Cup of Life 1 GANS plasma water and 50% Cup of Life 2 GANS plasma water every time you leave or enter the home.
- ∞ **Clean or spray the nostrils** with Cup of Life 1 GANS plasma water.



Figure 32. Nebulizer breathing unit developed by KFM Austria GmbH

XI. GANS SALTWATER DISINFECTION MIXTURE FOR THE ENVIRONMENT

The GANS saltwater from washing the Cup of Life 1 GANS and Cup of Life 2 GANS plus 5% Cup of Life 2 GANS itself is to be used for disinfection of the environment.

Note: Make sure the contact with this mixture does not stain or damage your personal belongings, furniture, or anything in the vicinity where it is used.

This disinfection mixture can be used by spraying on the walls, on clothing, on the floors, in public areas, in the hospitals, ambulances, buses, taxis, schools, airports, aircraft, offices, restaurants, supermarkets, and any other objects or area one comes in contact with. For example, spraying two opposite walls in the room or a passage area could establish a plasma field flow between the two walls.

In this manner, we can create a continuous plasmatic flow in the environment, usually rendering the Coronavirus ineffective and depleted of its energy.

For other items, as well as fruits and vegetables, the same mixture can be used for disinfection. Please wash with fresh clean water after spraying, right before consumption.

XII. VIRUS PROCESSING PROTOCOL BY GANS AND GANS PLASMA WATER

During this study, various mutations of the Coronavirus were observed. Simultaneously, as with new mutations of the Coronavirus, due to the flexibility of the technology new effective protocols were adopted. Therefore, over time, we will provide different processing protocols and methods for any future evolution and virus mutation.

Once the Coronavirus infections can be confirmed by using the GANS detection methods presented in the chapter “HOW TO DETECT THE PRESENCE OF THE CORONAVIRUS IN THE BODY UTILIZING GANS PLASMA WATER”, or in case of simple suspicions of infection. or by the medical COVID-19 tests done in the hospitals, or by using the new blood test parameters setup by Mehran T. Keshe which could be more accurate for all Coronavirus infection as it uses the real data from the blood the suggested protocols for the curing and reversal can be applied.

The repetition of the same protocol, 2 to 3 days after the first day of processing is essential to make sure that the infected cells in the area do not convert into cancer cells in the future.

Note: The application of the GANS on the skin is according to the certification and methods used by the Keshe Foundation Manufacturing standards for the production of GANSes.

In some cases, after depleting the virus using the GANS plasma water, the body shows the signs of a second fever. This is a sign that the virus has been overcome and only the damaged cells which

were affected by the virus are left behind. In the process of repair and replacement of these cells, showing itself as a normal infection, it creates a secondary temperature as a fever. This second fever is a good sign to show the overcoming of the virus. At this point, it becomes a straightforward medical infection and it has been recommended by the doctors consulting and advising the team to use antibiotics for such cases.

The recommendation of these medical doctors writes as follows:

2 (two) 625 mg co-amoxiclav capsules as the first dose and then 1 (one) 625 mg co-amoxiclav capsules every 8 hours from the first day of treatment for 1 (one) week.

Alternative 1:

If co-amoxiclav is not available, the alternative is 1000mg of amoxicillin in the form of 2 (two) 500 mg capsules as first dose and then 1 (one) 500 mg capsule amoxicillin. Use every 8 hours from the first day of treatment for 1 (one) week.

Note: The number of doses can be changed at the discretion of the physicians overseeing the case and process of the patient.

Alternative 2 using GANS plasma technology:

If one does not have access to any antibiotics, as an alternative to antibiotics one could use a mixture of 5% Cup of Life 2 GANS itself and 93-95% Cup of Life 1 GANS plasma water with a few drops of Cup of Life 1 GANS saline plasma water up to 2% and a small amount of GANS amino acid of Cup of Life 1 GANS. After the GANS sediments, collect 50 mL from the water at the top layer to be consumed every 30 minutes.

Due to the versatility of the GANSes, we do not measure the GANSes for these purposes as was

explained in the above chapters. The understanding is that all GANS plasma molecules are present in the same mixtures within 10% concentration.

In the aftermath of the Coronavirus infection and its depletion process, it has been observed that the virus itself, has high cellular degradation. Therefore, the body requires a lot of energy and time to repair itself. The person who has been through this process is expected to feel weak for about 14 to 20 days after the infection is resolved. In such cases, when one is sure that the virus is no longer present in the body, but there is an overall physical weakness, the process mentioned below could improve the condition, but done only one time and not to be repeated.

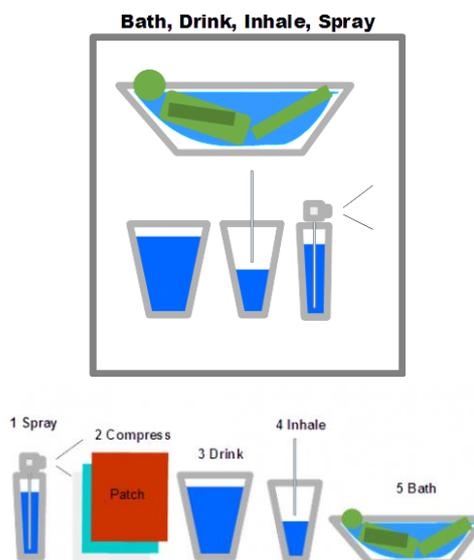
Drinking a can of 330 mL sugary soda and 150 grams of chocolate in small quantities over an hour is observed to increase the patient's energy base. Besides, in the diet of these patients, one can introduce high-energy and nutritious foods, such as lamb liver, chicken liver, honey, dates, etc.

! Warning ! If there is even the smallest chance or suspicion that the virus at its original energetical strength is still present in the body, this process should not be used as it can have the opposite effect and become a food energy source for the Coronavirus itself.

! Warning ! In cases that one has mistakenly sprayed GANS saline water on its skin, due to the high energy of the GANS saline water, local red spots could appear on the skin. In this case, it is necessary to mix any skin cream that is without perfume with Cup of Life 1 GANS plasma water and apply it on the skin where the red spots appeared. Do this application regularly until the redness fades from the skin.

Recommendation 1: When creating a pad or a patch for the application of any presented protocols, it is recommended to soak with appropriate GANSes the cloth or the towel and placed it in a zip-lock type of bag for the patch. This allows the possibility to re-soak the pad inside, while preventing spills outside.

Recommendation 2: It is not recommended, but if any of the below-presented protocols are extracted from this scientific article, it must be done only in conjunction with the “VIRUS PROCESSING PROTOCOL BY GANS AND GANS PLASMA WATER” introduction paragraphs from above.



PROTOCOL A: USE OF GANS PLASMA MIXTURE 1

GANS plasma mixture 1: is obtained by adding 20% of Cup of Life 1 GANS to 80% of drinking water.

! Warning ! All the GANS waters have to be without any salt content as the salt can irritate the skin and throat.

GANS plasma mixture 1 is used in all cases of Coronavirus infections on the chest, lung, and brain, only by spraying directly on the body, soaking a towel and wrapping the body with it, used in combination with the 'One Cup One Life' suit or by directly washing the body and let it dry naturally (repeat the protocol according to the instructions given below).

When one feels that one has been infected with Coronavirus, one should take a handful of GANS plasma mixture 1 in the palm of their hand and apply onto the area where it hurts.

If the signs of the Coronavirus are observed in the area of the head, ears, nose, eyes or lung, one uses a handful of GANS plasma mixture 1, by wetting and washing from the top of the head until under the lung diaphragm area, both in front and back of the body.

! Warning ! Make sure that the GANS plasma mixture 1 does not enter the eyes, nose, or ears area.

One repeats this protocol every 15 minutes, up to a maximum of 3 (three) hours per day, or until the pain is eradicated in the first cycle, plus 2 to 3 days furthermore after no pain is felt.

Soak a towel in GANS plasma mixture 1 and wrap with it the upper part of the body from above the lung diaphragm upwards, including the head area, both in front and back of the areas mentioned, once every 30 minutes for up to maximum 3-6 hours per day or until the pain is eradicated in the first cycle, plus 2 to 3 days furthermore after no pain is felt.

One should drink 100 mL to 200 mL of fresh Cup of Life 1 GANS plasma water in small sips throughout the day.

One should inhale for 15 to 20 minutes per hour using a breathing system on the principle of a fireless shisha/hookah, hospital ventilators, or nebulizers (Figure 32), where the water container section is filled with the mixture of 5% Cup of Life 1 GANS and 95% Cup of Life 1 GANS plasma water. In this process, the air that passes through the fresh Cup of Life 1 GANS plasma water gets charged with the plasmatic fields that can interact with the Coronavirus in the lung or respiratory tract. The water in any breathing system should be changed after each use and the breathing system itself should be sterilized as well after each use.

! Warning ! Make sure that the GANS plasma mixture 1 does not enter the lung area.

PROTOCOL B: USE OF GANS PLASMA MIXTURE 2

GANS plasma mixture 2: is obtained by adding 20% of Cup of Life 2 GANS to 80% of drinking water.

! Warning ! All the GANS waters have to be without any salt content as the salt can irritate the skin and throat.

This GANS plasma mixture 2 could be applied if the Coronavirus infected person has symptoms of weakness or a feeling of illness and symptoms as stomach pain, stomach stiffness, pain in the kidneys along with discoloration of urine, seeing stools with black or orange colors, pain the uterus, pain similar to the one during the menstruation cycle or sensation like electric shocks in the womb or ovaries or testicles or prostate, white, yellow, creamy discharge from the uterus, irregular frequent bleeding on 7 days or 14 days cycle, pain in the prostate, testicles or

irritation of the male genitals.

GANS plasma mixture 2 is used in all cases of Coronavirus infections on the stomach, intestines, reproductive system (testicles, prostate, ovaries, womb), skin, kidney, liver, bladder, etc. only by spraying directly on the body, soaking a towel and wrapping the body with it, used in combination with the 'One Cup One Life' suit or by directly washing the body and let it dry naturally (repeat the protocol according to the instructions given below).

When one feels that one has been infected with Coronavirus, one should take a handful of GANS plasma mixture 2 in the palm of their hand and apply onto the area where it hurts.

If the signs of the virus are observed in the area of the stomach, intestines, reproductive system (testicles, prostate, ovaries, womb), skin, kidney, liver, bladder, etc. one uses a handful of GANS plasma mixture 2, by wetting and washing from under the lung diaphragm area down to the knee area, both in the front and the back of the body. One repeats this protocol every 15 minutes, up to a maximum of 3 (three) hours per day, or until the pain is eradicated in the first cycle, plus 2 to 3 days furthermore after no pain is felt.

Soak a towel in GANS plasma mixture 2 and wrap with it the lower part of the body from under the lung diaphragm to the knee area, both in front and back of the areas mentioned, once every 30 minutes for up to maximum 3-6 hours per day or until the pain is eradicated in the first cycle, plus 2 to 3 days furthermore after no pain is felt.

One should drink 100 mL to 200 mL of fresh Cup of Life 2 GANS plasma water in small sips throughout the day.

One should inhale for 15 to 20 minutes per hour using a breathing system on the principle of a fireless shisha/hookah, hospital ventilators, or nebulizers (Figure 32), where the water container section is filled with the mixture of 5% Cup of Life 1 GANS and 95% Cup of Life 1 GANS plasma water.

In this process, the air that passes through the fresh Cup of Life 1 GANS plasma water gets charged with the plasmatic fields that can interact with the Coronavirus in the lung or respiratory tract. The water in any breathing system should be changed after each use and the breathing system itself should be sterilized as well after each use.

! Warning ! Make sure that the GANS plasma mixture 1 does not enter the lung area.

PROTOCOLS FOR OTHER MUTATIONS OF CORONAVIRUS

These mutation versions of Coronavirus usually show no sign of normal COVID-19 lung infection version and the majority show no infection, no fever, no dry nose, no coughing, and the outset of the virus shows itself as described in each section below for each organ.

In this section it is considered that in addition to what is mentioned below, the infected person drinks 2 times a day 100 mL to 200 mL of mixture 50% Cup of Life 1 GANS plasma water and 50% Cup of Life 2 GANS plasma water and, does the breathing protocol as described hereafter.

One should inhale for 15 to 20 minutes per hour using a breathing system on the principle of a fireless shisha/hookah, hospital ventilators, or

nebulizers (Figure 32), where the water container section is filled with the mixture of 5% Cup of Life 1 GANS and 95% Cup of Life 1 GANS plasma water. In this process, the air that passes through the fresh Cup of Life 1 GANS plasma water gets charged with the plasmatic fields that can interact with the Coronavirus in the lung or respiratory tract. The water in any breathing system should be changed after each use and the breathing system itself should be sterilized as well after each use.

! Warning ! Make sure that the GANS plasma mixture 1 does not enter the lung area.

Head and Eyes

This mutation of coronavirus was noticed in earlier stages and has had no cure with the same effects as the pain in the eye, mainly in the left eye.

When such symptoms are observed one could apply in the form of a patch GANS plasma mixture 3, placed on the affected area, and keep for as long as possible with soaking the patch again every 15 minutes.

Additionally, one should take a handful of GANS plasma mixture 3 in the palm of their hand and wash their face, ears, and neck area until the pain is eradicated.

For the lumps and the pain in the jaw, one can place a small patch between the gum and the cheek with the same mixture to eradicate the pain and reverse the calcification of the cells in that area. This process can take up to 2-3 weeks. It usually follows with a massive headache for which there is no painkiller. This Coronavirus mutation can lead to brain hemorrhage and stroke and in many cases in China and Iran deaths have been registered following this mutation.

! Warning ! During this process, one has to make

sure that under no circumstances any GANSes enter the eye as it could lead to bleeding in the eye or the eyelashes. It is advised that a self-sealing food-grade plastic envelope is used for placing in the GANS patch before applying it to the eye area.

Brain Stroke

This is one of the most common forms of mutation of the Coronavirus and is due to the presence of large amounts of Calcium within the brain cells which are easy prey for the Coronavirus and its plasmatic MaGrav Calcium strength conversion characteristic.

Most nations have put this down as a normal brain hemorrhage, although the person presents no fever and no previous medical history. One can observe the calcification of different parts of the brain.

This usually can easily be overcome when the first headache manifests itself with the rapid use of a handful of Cup of Life 1 GANS plasma water to wet the head and wrapping the head in the soaked cloth of GANS plasma mixture 1, for maximum 3 hours a day, repeating every day or until the pain disappears, plus 2 to 3 days furthermore.

Phycological and psychosomatic

The persons that are affected by the brain mutation of Coronavirus, as the brain of the man is basically combination of CO₂, Zn, Mg, Ca, and small amount of other elements, with most of these Calcium in the plasmatic form, once the Coronavirus affects the brain, many of the plasmatic fields of the Calcium due to the inertia strength of the Calcium, will calcify.

In this process we will observe different structure of brain cells, and during autopsy of the brain,

they can be felt as a structure of the grain of Calcium, similar as cutting a bread which has salt grains within.

In this process this Calcium will create different connections and will block certain connections within the brain, as isolation and insulation material amongst the neural system connections, creating problems for the brain magnetic field connections to operate properly. This can happen in any part of the brain according to the magnetic field strength of the Coronavirus strength interacting with the emotion strength of that part of the cells of the brain.

Therefore, the patient will show different psychological and psychosomatic pattern due to the strength of Coronavirus to the cell. Some will be affected by the emotion section of the sadness, some by depression, depending on the area the Coronavirus conversion calcification takes place and the common strength of the emotion. This can affect any mood and emotion even as high as suicidal.

Due to complication in composite calcification, murder and killing of close relatives could occur as the Coronavirus infected persons do not recognize the emotion and the reality. In the past few weeks, we have observed many murders of the close relatives in which the members were hit or infected by the Coronavirus.

The option for the governments is the emotional validation and non-criminality of such action as it is a side effect of this virus. It is not deliberate, but it is due to the emotional changes due to the infection of Coronavirus.

In such a condition as with the behavior change after the Coronavirus attack and conversion and calcification of the brain cells, the suggested

protocol to reverse is to use 30% GANS plasma mixture 1 in solution adding up to 2-3 Magnesium tablets or use of the GANS of Magnesium as 5%, use of the GANS amino acid of Cup of Life 1 GANS with 0.9% saline water of GANS of Magnesium and 1% or a small amount of GANS amino acid of Zinc and CO₂.

Wash the head with a handful of this mixture and wrap the head and neck, fully from back to front with a towel soaked in this mixture.

This process allows the opening concentration around the affected cell that allows the Zinc to bring in the energy of decalcification. This needs to be done at least up to 6 weeks on a daily basis, twice a day, morning, and night for 30 minutes at the time.

Ear and Neck

Some of the Coronavirus infected persons complain of massive pain in one or both ears and on the right-hand side or on the left-hand side of the neck. This is where the calcification has taken place in the vicinity of the eardrums or the lymph node of the ear which causes excruciating pain. It has as well been observed that this type of infection causes stroke on the right side of the face, leading to deformation of the mouth and lips, as well as pain in the tongue or even paralysis of the tongue. The doctors recognize this as a weak stroke where the calcification has taken place in the extremities of the ear and the neck. In some cases, the persons even developed lumps on the cheeks.

The same procedure as for the Head and Eyes can be followed, with patches for the neck area.

The protocol for Coronavirus for the head is advised to be used. Washing the head with GANS plasma mixture every 15 minutes for up to 3 hours.

Nose

In the case of bleeding of the nose or finding blood in the throat during the prevention nostrils wash, it means that the Coronavirus has entered and settled in the nasal channels.

The protocol below has to be repeated until the nose bleeding stops that the Coronavirus is washed from the nostrils. In these cases, one needs to make a new mixture in the following manner: 10% Cup of Life 1 GANS itself, 10% Cup of Life 2 GANS itself, and 80% balance of the GANS plasma waters from Cup of Life 1 and Cup of Life 2. Soak a handkerchief or a towel in this mixture and place it on the nose and the forehead for 10 minutes intervals until the bleeding stops. During this protocol, the nostrils should be sprayed with the same GANS plasma water.

! Warning ! The GANS plasma water has to be free from any type of GANS sediments.

Smell and taste

It has been reported from the encountered Coronavirus cases, that in the majority of cases the affected person loses its sense of smell and taste.

If these symptoms are not associated with seasonal allergy reactions, one can make a small pad or patch using the mixture of 50% Cup of Life 1 GANS of itself and 50% Cup of Life 2 GANS of itself. Apply the pad to the nose and the area between the eyebrows for a period of 10 to 15 minutes every half an hour until the smell and taste senses return. At the same time, one can continuously sip Cup of Life 1 GANS plasma water every 5 minutes.

Lips

In the case of Coronavirus occurrence on the lips, as seen in Figure 33, it is advised to create a pad or patch with the mixture of 50% Cup of Life 1 GANS plasma water and 50% Cup of Life 2 GANS plasma water.

! Warning ! The GANS plasma water has to be free from any type of GANS sediments.



Figure 33. Coronavirus "twinity" appearance on lips

At the same time, during the application of the patch, one should be holding some of the GANS plasma water of the same mixture in the mouth or alternatively making a small patch to be kept in the mouth, from inside. This is the most effective method to reach results.

Repeat for a maximum of 2 to 3 hours a day in different intervals or until the spots disappear, plus 2 to 3 days furthermore.

Tongue

One common symptom shows Coronavirus as white spots at the end of the tongue. In this case the following protocol would be advised. Take a mouthful of the Cup of Life 2 GANS plasma water and without swallowing it, swish and gurgle in the mouth for about 15 seconds every 10 minutes then spit that used water away. Repeat for a maximum of 2 to 3 hours a day in different

intervals hours or until the spots disappear, plus 2 to 3 days furthermore.

Lungs and Chest

This section can be covered by following entirely the PROTOCOL A: USE OF GANS PLASMA MIXTURE 1.

Heart

When the Coronavirus is suspected to be located in the heart muscle it can slowly progress towards multiple minor heart attacks or multiple major heart attacks that can lead to the death of the person infected.

To prevent and/or overcome a heart attack one could place directly over the heart area a glass jar of 300 mL to 400 mL capacity filled with at least 50% Cup of Life 1 GANS itself and 50% water.

Breast

The Coronavirus mutation version of breasts comes usually from the lung version of infection and it should show itself within 2 months after first contracting the Coronavirus, even though one might not show any symptoms of the Coronavirus infections.

For this mutation of Coronavirus, it is recommended that the patient wears a bra soaked in GANS plasma mixture 1 and to soak it again every hour, throughout the entire day, for 3 to 5 weeks making sure that there is a patch on the back of the bra facing the cups.

At the same time, one should take a bath submerging the breast in the bath liquid. The bath must be prepared with a mixture of 50% Cup of Life 1 GANS itself and 50% Cup of Life 2 GANS itself with at least 1-2 liters of each GANS. One needs to do these 1 to 2 times a day.

Bathing on a regular basis with GANSes is advised for the decalcification of any Coronavirus infected cells in the body and should become part of the routine of people's life.

It is advised for the government to open public swimming baths where people can swim for the decalcification of various parts of the body which are affected by the Coronavirus, that these calcifications become the seeds of the future cancers.

! Warning ! Please make sure no GANSes enters any orifices of the body as it can lead to bleeding. It is advised to wear underwear or tight swimwear during the bath.

Internal Organs

This section can be covered by following entirely the PROTOCOL B: USE OF GANS PLASMA MIXTURE 2.

Stomach convulsion

In the majority of cases with the stomach Coronavirus infection, one observes stomach convulsions to the point of releasing first yellow and then green gastric juice.

In these cases, until receiving the necessary medical assistance, one can use GANS plasma mixture 4 added with 1% to 2% Cup of Life 1 GANS plasma saline water.

This GANS water mixture has to be taken a tablespoon at a time for a maximum of 30 mL to 50 mL every 5 minutes until the vomiting subsides and carry on for 15 minutes after the last convulsion.

Bladder and Pelvis

One of the newest mutations of the Coronavirus is the Coronavirus in the bladder which has no

fever, no temperature and the patients complain of continuously wanting to discharge urine, sensing itching and pain but there is no passing of water. This takes as far as the limit that it becomes a continuous pain like the electric shocks seen in the womb.

This variation of Coronavirus can be handled in 2 ways. Injection using a catheter by injecting 50-100 mL of GANS plasma water every 30 minutes using the Cup of Life 1 GANS plasma water and Cup of Life 2 GANS plasma water, up to 3 to 6 hours, depending on the symptoms. At the same time washing the hip and pelvis with mixture of Cup of Life 1 GANS plasma water and Cup of Life 2 GANS plasma water for the same duration, plus 2 to 3 days furthermore after no pain is felt.

By injection of the GANS plasma water in the bladder and washing the body from outside one notices the reduction of the pain and the electric shows in majority of cases in up to 2 hours from the first application.

This process can be repeated again for pain in pelvis which creates the field within the cavity and can randomly affect any of the organs with the pelvis.



Figure 34. Blood and tissue particles in the urine 2 to 4 hours after contracting Coronavirus

The pelvis are has to be considered as a combination of GANS process with possible use of Magnesium GANS mixture 4 on the skin in

the area of pelvis 1-2 times a day for up to 7 days to make sure no calcification sits within the pelvis or its environment. It is recommended to take a handful of this GANS mixture to be used to wash on the skin every 15 minutes and wrap the pelvis in a towel soaked in the mixture of the Cup of Life 1 GANS plasma water and Cup of Life 2 GANS plasma water.

Womb

Particularly, for the occurrence of Coronavirus in the womb of the women where noticeable pain and even discharge is observed, the following internal washing protocol would be advised.

Use the pure fresh Cup of Life 2 GANS plasma water free from any type of GANS sediments and with a device called vaginal douche rinse the area inside every hour for a maximum of 3-6 hours a day or until the pain is eradicated in the first cycle, plus 2 to 3 days furthermore after no pain is felt.

Testicles and prostate

Particularly, for the occurrence of Coronavirus in the testicles and prostate of the man, the following protocol would be advised.

One can make a small pad or patch using the mixture of 50% Cup of Life 1 GANS of itself and 50% Cup of Life 2 GANS of itself. Apply the pad to the testicles and prostate area for a period of 10 to 15 minutes every half an hour for a maximum of 3-6 hours a day or until the pain is eradicated in the first cycle, plus 2 to 3 days furthermore after no pain is felt.

As reported by a medical doctor, a 34 years old man who was infected by COVID-19 after two weeks it recovered back to the normal condition. But Coronavirus affected his libido and he could not have a normal life. He passed checkups and

C.test again, but the test result was negative. This issue happened to him exactly after first infection, so it became sure that it is side effect of Coronavirus on the human body and there is no cure for it.

By using of plasma technology, it could break the side effect of Coronavirus and returned back the libido of the patient in only four days, without any infusion or medicine. That is a big step in medical science

Toes and Fingers

Another symptom of the Coronavirus is the creation of white spots on the nails or white, cream, red spots on the toes and fingers.

In the case of occurrence of Coronavirus on the hands, fingers, feet, and toes, put in a bowl the mixture of 49.5% Cup of Life 1 GANS plasma water, 49.5% Cup of Life 2 GANS plasma water with 1% saline water from Cup of Life 1 GANS and few drops of the GANS amino acid from Cup of Life 1 GANS.

Immerse the affected area in that mixture for as long as possible or soak a pair of socks and gloves and wear them continuously for a maximum of 3 to 6 hours a day, with re-soaking as needed throughout that time or until the spots disappear, plus 2 to 3 days furthermore.



Figure 35. Coronavirus "twinity" appearance on toes

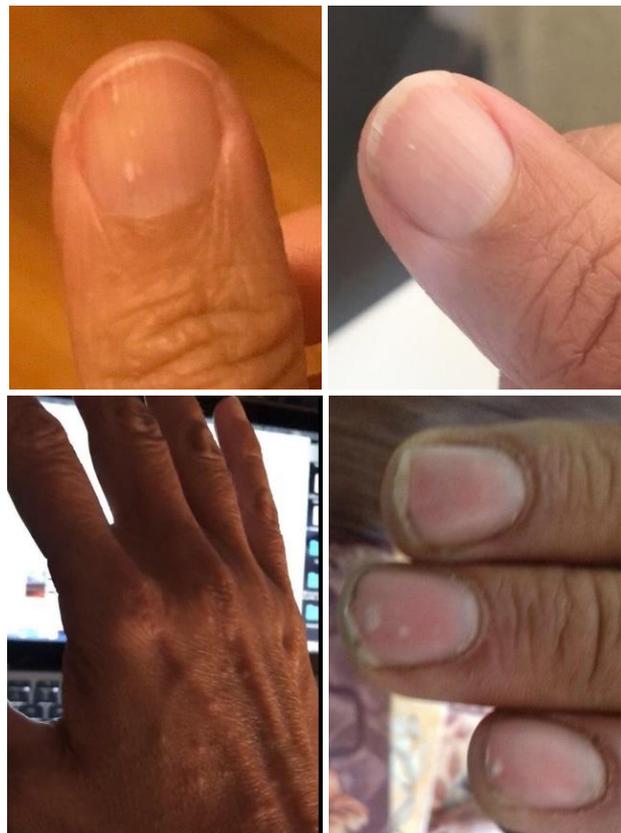


Figure 36. Coronavirus "twinity" appearance on hands, fingers and nails



Figure 37. Coronavirus "twinity" appearance on feet

Skin

The Coronavirus infection skin rashes or red spots are different than the common skin rashes or redness on the body, arms, and legs.

These rashes are created by the calcification of the middle layer cells of the skin and are usually appearing in twin pairs, as spots of 1.5 cm apart

or 3 cm apart or 6 cm apart from each other; or a set of two is between 3 to 6 cm apart from the other set.

The reason for this twin star set is that as the Coronavirus is a plasmatic field, it always finds its twin set to create a balance and stability for itself, similar to the twin stars in the universe. We see the same phenomenon with Coronavirus in the lung and other internal organs where the calcification is always in twin sets.



Figure 38. Coronavirus "twinity" appearance on arm skin

To process this, one needs to wash the skin with GANS plasma mixture 4, every 15 minutes, or place a patch until the spots disappear. If it is not fully addressed, it can lead to skin cancer in the future.



Figure 39. Coronavirus "twinity" appearance on legs skin

Lymph and lymph nodes

This is important, where lymph are the main producers of the immune system and once the lymph and lymph nodes have gone through the process of Coronavirus calcification, then the whole immune system could fall apart, and death becomes inevitable.

In the occurrence of Coronavirus mutation infecting the lymph or lymph nodes, one needs to wash or bathe the body with a direct GANS plasma mixture 3 every 5 to 10 minutes within 2 to 3 hours for washing or 30 minutes to 1 hours for a bath. This protocol needs to be repeated for several weeks, once per day.

Blood

The Coronavirus infection of the blood cells within the circulatory system in the body is very hard to detect when it enters. It is mainly seen with athletic and healthy people that do sport activities or are physically active.

In some ways, the Coronavirus rapidly enters the blood system through the lung. This can lead to a blood clot, hemorrhage, and major heart attack. In some cases, due to blood calcification, the blood viscosity changes and causes heart attacks and embolism, which in some cases those blood clots could lead to the amputation of the limb.

On the other hand, the only solution for this is to keep the person in the bath for 3 to 6 hours a day to clean up the blood clots. The bath must be prepared with a mixture of 50% Cup of Life 1 GANS itself and 50% Cup of Life 2 GANS itself with at least 1-2 liters of each GANS. One needs to do these 1 to 2 times a day until the blood clots are completely removed.

! Warning ! Please make sure no GANSes enter any orifices of the body as it can lead to bleeding. It is advised to wear underwear or tight swimwear during the bath.

Cancer

Due to the characteristics of Coronavirus which has the Calcium inertia field strength of the human cell can convert the central seed of each cell to calcify.

What we have seen from the skin version of the Coronavirus mutation, it is highly possible and for sure those who have contracted Coronavirus in lung, liver, kidney, etc. and as we have seen with the brain and upper spinal cord that shows calcification, this virus will leave many calcification seeds in different organs of the body during its mutation across this planet. To this effect and from the data we have in our possession we estimate up to 90% of all present recovered case and those who have not recovered will end up with one or multiple cancer signs in the next months and years to come, as these seeds of calcification become the seeds of cancer. The manifestation of simultaneous multiple organs cancer will become normality for these persons.

One of the signs of these cancers of Coronavirus will be a solid heart Coronavirus feature of the Calcium that will be observed in autopsies, as calcium centers of the organ where the cancer is located.

For sure, all those who have been infected or affected by Coronavirus will show signs of cancer, in a short term of 2 months, and a long term of 5 years from the time of infection.

We foresee that these cancers will have rapid growth and kill in a very short time as the calcification is in twin pairs and the numbers are vast across the body. It is advised for the governments to keep a record and track of all those infected or affected by the Coronavirus

As the space GANS plasma technology is energy transfer plasma as was explained in the chapters

above, it is advised for the governments to immediately launch several clinical trials as are agreed in Iran for eradication of the Coronavirus cancers.

These are temporarily until different solutions for different cancers have been found, we advise the practitioners to carry on with the same process of GANS bath only in GANS plasma mixture 1 in a period of 1-2 times a day and a dosage of 1 liter of GANS plasma mixture 1 per day, for a period of 3 months. All these Cup of Life 1 GANS have to have a mixture of 1 tablet per day dosage Magnesium in the bath and drinking water.

It is foreseen that the usage of GANS for cancers will become one of the main features of overcoming future cancers in the human body.

The present Universal Body Enhancement Spaceship Unit developed and marketed by the Keshe Foundation Manufacturing Austria GmbH is set to bring a change in the present environment created by the Coronavirus pandemic in respect to cancers. Where this technology can be used for the purpose of Coronavirus damaged cells in the body of the man.

Muscles

In majority of the cases people who get infected through their feet, complain of the muscle pain in shin upper and lower leg muscles, as well as in the upper and lower arm and shoulder muscles.

This condition can be changed by using a mixture of 40% GANS plasma mixture 1 and 60% GANS plasma mixture 2. It is recommended with this to add 1 (one) tablet of Magnesium to the new mixture, few drops of GANS amino acid of the Cup of Life 1 GANS and 1% of saline water of Cup of Life 1 GANS. Take a handful of this

mixture and apply it on the affected area every 15 minutes up to maximum 3 hours.

In majority of cases by the second or third application the pain is released but it is necessary to carry on with the protocol for at least 3 hours in the first day plus 2 to 3 days furthermore. The reason for this is to avoid the formation of embolism and rupture of muscle tissues.

If this is not followed it is possible that in long term cancer in the muscle tissues could appear. It is very rare, but with Coronavirus it can become common cancer, especially in the upper leg muscle.

The process for this Coronavirus mutation brings tiredness, weakness in arms and legs and in general, fatigue.

This process runs up to 2-4 weeks after using the GANS plasma technology. It is recommended to use the method of the soda drink and chocolate intake for fast recovery as it was mentioned in chapter XII. VIRUS PROCESSING PROTOCOL BY GANS AND GANS PLASMA WATER.

Bone

The bone mutation of the Coronavirus is one of the most severe painful versions noticed up to now. It cannot be stopped with any painkiller and the only rapid reduction of pain and decalcification could be done with Cup of Life 1 GANS. Usually, it has been seen in the upper and lower leg, most often with women, and arms and shoulders most often with men. The pain of the calcification comes between the bone and the Periosteum, where the separation of the Periosteum from the bone by rapid calcification of the lymph creates this pain. Sometimes, calcification of the Haversian canals of lymph to the bone marrow creates such a pain as well.

The recommended procedure for the reduction of the pain and possible decalcification of the Coronavirus in the bone is by the use of 20-50% Cup of Life 1 GANS of itself and 80-50% water. This mixture needs to be shaken and diluted and the best solution would be to soak with it the cotton pajamas or the Keshe GANS 'One Cup One Life' suit from top to bottom before wearing. This needs to be soaked again every 30 minutes for a maximum of 3 hours or until the pain subsides and continue for 2-3 days after eradication of pain.

Immune system

As most of the immune system, T and B cells are produced in the bone marrow and this process always carries Calcium based energy center, due to the inherent process of production. The immune system is not immune from the Coronavirus.

With the patients infected by this mutation, the Coronavirus creates or possess plasmatic magnetic field strength of the immune system amino acid and in interaction with the process the immune system cells will calcify in different part of the body and in most cases the main function and disorder we will see in thymus and can lead to total disorder in the structure of the body's organization of fighting all the other diseases. In these cases, we will see many of the Coronavirus victims will die of flu or very weak flu and small infections that the body will not support, similar to what we see with 5 to 7 years after the chemotherapy with people over age of 55. And in some cases, we will see small wounds in the muscle tissue, for example, that will reach to become large wounds. Or even small infections rapidly growing to fatality as the body has no effective immune system to fight the effects of the infection which the Coronavirus creates in these regions of the body.

The process to reverse this mutation is recommended to be 5% GANS amino acid of Cup of Life 1 GANS and Cup of Life 2 GANS with 5% Zn GANS plasma water and 40-50% Cup of Life 1 GANS plasma water in a mixture with maximum 50% CO₂ GANS plasma water. Use this mixture to wash the full body head to toes, minimum 4 times a day, for 3-6 weeks.

Children temperature

This is a new mutation of the virus and has been seen in children below 10, where children's body temperature rises and falls between 37 degrees Celsius and 40-41 degrees Celsius over days or in one straight run. The children then fall in a coma state and this leads to death. This has been observed in the Eastern provinces of Iran, in May-June 2020.

The best solution has been found to be at this moment the GANS plasma mixture 3 added with 1-2% Cup of Life 1 GANS plasma saline water. By making 100 mL of this mixture, shaken well, take 10% of it and add to 1 liter of water and use this new mixture to wash the body of the child from head to toes for maximum 5 minutes every 30 minutes. The usual response is the drop in body temperature.

Environmental Coronavirus infection

The initial observations showed that the virus is transmitted through contact with a carrier, contaminated food, surfaces, air, etc. In the recent research, it has come to be noted that Coronavirus exists as packages of energy in different environments which can affect some of the persons passing through that environment, according to the strength of the persons. And another environment in the same area can affect different persons of the different strength of Coronavirus. For example, in one environment one catches the lung version of Coronavirus and

in another environment, one catches the stomach version of Coronavirus.

To explain this further, let us consider, for example, a store that has a viral cloud in an area of the store. If someone susceptible to the virus passes through this area, they will immediately become infected with Coronavirus. In other words, the virus has reached a strength and capability that can create a strong magnetic field around and for itself. In this way, any susceptible person who passes through this magnetic field of the Coronavirus becomes infected with the virus. For example, this is most common in areas where cold foods are stored in stores (such as meat and dairy parts). The reason is the presence of the high saturation protein-based foods which are kept in these areas.

Coronavirus with environmental field properties may be anywhere. For example, one may not even be infected in a bus despite the Coronavirus occurrence, but one may be infected in another bus carrying another Coronavirus strength. So, the Coronavirus has different MaGrav energetical field strengths and due to this it can mutate and when it merges with the cells of the body, the person becomes infected.

Symptoms of the virus include red spots and bruising all over the body or pain in the lower leg muscles and skin. In this case, it is necessary to spray on the body a mixture of 5% Cup of Life 2 GANS of itself, 5% Cup of Life 2 GANS saline water, 45% Cup of Life 1 GANS plasma water and 45% Cup of Life 2 GANS plasma water, 3 (three) time a day for 3 days.

Additionally, for prevention, we can use that same mixture to spray the lower part of the legs, the feet, the shoes, and the bottom of the shoes before exiting the house and immediately after returning home.

KFM Austria developed unique systems for environmental cleanup (Figures 40). Production of GANS plasma water dispensing unit according to the need of the water for the coronavirus (Figure 41). The multiple breathing GANS plasma air system for hospitals (Figure 42). The appropriate GANSes produced to cover 10 000 population is shown in Figure 42. These units have already been shipped around the world to various nations. The new Coronavirus GANS plasma systems production are developed by the KFM China (Figure 44).



Figure 42. GANS Plasma Breathing Unit developed by Keshe Foundation Manufacturing Austria GmbH



Figure 40. GANS Plasma Spraying Units developed by Keshe Foundation Manufacturing Austria GmbH



Figure 43. GANS produced for the use of GANS plasma units



Figure 41. GANS Plasma Water Units developed by Keshe Foundation Manufacturing Austria GmbH



Figure 44. Mass Production GANS plasma system developed by KFM China

XIII. THE RESULTS OF THE STUDY OF THE EFFECT OF DIFFERENT GANS TREATMENT PROTOCOLS ACCORDING TO THE STAGE OF PATIENTS WITH CORONA

The majority of the patients mentioned below had presented themselves to doctors and hospitals and were sent home as there were not sufficient beds in the hospitals to accommodate. They were requested to quarantine themselves in their homes. Most of the patients came through the public social media channels set up as support channels by the Knowledge Seekers in Iran, requesting for help to overcome the Coronavirus.

All cases were addressed by the support team first and triaged to the team of doctors that were ready in the background, headed by Dr. Reza Asadi. This section of the medical results is Dr. Asadi's intermediary report on how patients have been handled by him and his team of doctors. The beauty of using this technology for this virus is in its absolute simplicity that it could be taught online and even people dying at home could make it and save their lives. There are hundreds of such people that can be contacted. All the requests and procedures taught to the people have been recorded and can be found and referred to on the public social media channels.³⁸



Figure 45. Keshe Farsi Corona Team Telegram support group

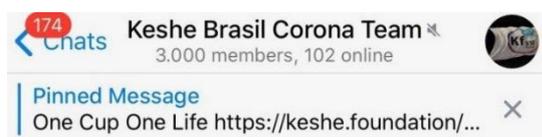


Figure 46. Keshe Brazil Corona Team Telegram support group

At the peak of the crisis, there were over 36 000 people registered and over 3 000 people online every day at any time (Figure 45). All the public chats and the links were put in a direct way that people could go to the pinned message and follow the procedure on how to make everything at home, how to support themselves, how to use and how to support their families and their community.

This is the first time that social media network in Iran and other nationalities (as can be seen Brazil, Figure 46) has been used to save hundreds of lives simply and effectively, not needing any knowledge about the science, but effectively overcome the deadliest virus man has ever faced. On certain days Dr. Asadi has personally answered over 600 patients, all with successful recovery.

These patients have become the rescuers of their families and other families that needed support. The backing of the support team of volunteers in delivering the GANS plasma waters and ready-made Cup of Life to people's homes within hours, to be used immediately, has been one of the reasons that the work of the Keshe organization in Iran and other nations and has made such a big difference in Iran national statistics of COVID-19 as hundreds of lives have been saved online by people for the people.

The team of doctors supporting the cases is as follows:

- ∞ Dr. Reza Asadi, Head of Coronavirus doctors support team
- ∞ Dr. Farmarz Bararpour
- ∞ Dr. Ghasam Rais Akbari (Head of Emergency Department of Mahallat hospital)
- ∞ Dr. Saida Sanjarian
- ∞ Dr. Parastou Golshiri

- ∞ Dr. Ahmadreza Nakhost
- ∞ Dr. Azar Boujaran-Ghomi
- ∞ Dr. Parviz Rashvand

1. Coronavirus patients with mild severity:

who had mild symptoms that were as common as the symptoms of a common cold, they did not need to be hospitalized. These patients were considered outpatients.

In these individuals, only Cup of Life 1 GANS plasma water was used. Oral, inhalation, spray, and co-amoxiclav methods were used according to the GANS protocols. As a result, all patients recovered 100%. This procedure was adequate for this stage of infection.

2. Coronavirus patients with moderate severity: are those who have a relatively severe COVID-19 infection and symptoms of Coronavirus lung infection in the form of moderate to the severe white lung. These patients presented respiratory distress but were conscious and alert.

The following procedure was administered to all the patients by the doctors:

Each individual was given to drink Cup of Life 1 GANS plasma water, doing regular inhalation with Cup of Life 1 GANS plasma water mixed with a few drops of Cup of Life 1 GANS of itself and using GANS plasma mixture 1 on pads that were applied on the chest and back area, according to the Protocol A, GANS plasma mixture 1.

In the case of abdominal pain and infections with fever or headache, the same procedure was followed with GANS plasma mixture 2 pads that were applied to the affected area.

3. Coronavirus patients with high severity:

this category of patients is the end-stage patients, hospitalized in very bad general condition, in a medically induced coma, or either often intubated.

All tests and confirmation of the condition are done by the hospitals using MRI, CT scan, X-ray, or new insight developed through the revolutionary GANS plasma technology in reading blood test results. This can identify the presence and damage done by the Coronavirus in the lungs, heart, brains, blood, and abdominal organs in the severely affected end-stage patients.

Using the new GANS technology by the medical doctors in the hospitals has shown excellent results. The end-stage patients answered to the treatment, and most of them were saved from what it was certain death.

Treatment description, followed by the protocol:

- a. Inhalation system: Cup of Life 1 GANS plasma water was put in a mixture with a few drops of Cup of Life 1 GANS itself up to a maximum of 5% and added in the breathing ventilator system.
- b. Drinking: A mixture of 50% Cup of Life 1 GANS plasma water and 50% Cup of Life 2 GANS plasma water was given orally in doses of 100 mL to 300 mL a day.
- c. The use of Cup of Life 1 GANS plasma water and 30% Cup of Life 1 GANS itself is made into a pad to be placed around the chest and back.
- d. The use of Cup of Life 1 GANS plasma water and 20% Cup of Life 1 GANS itself is made into a pad to be placed around the head and brain area.

- e. The use of Cup of Life 2 GANS plasma water and 20% Cup of Life 2 GANS itself is made into pads to be placed around the intra-abdominal area and pelvic organs, in the front and back area, from the ribs to the toes.
- f. Sterilization of the room, the medical team, and the patients was performed.

Due to the data protection act, the list of data and statistical data and report cards of the patients that were documented by the doctors' support team can be requested officially and be released through secure channels setup by the Iranian officials only to legal governmental offices such as the ministries of health of nations, and no other authorities.

XIV. TRIAL CASES

The methods and the systems used by this technology after investigation and approval by the medical board, have been certified as an alternative new health system by Naturopathica society of Belgium in 2011 as a valid new scientific technology and insured under the policy of the society.³⁹

Clinical trials in Iran took a strange and unusual course of events. Where, usually study cases are setup, programed, and meticulously carried out mainly as a double-blind clinical trial. The results after all analyses are considered to be a viable medicine to be used and then human trials over 3 to 5 years might lead to the conclusion that the products can be launched in the market.

In this case with Keshe GANS plasma technology, as the Iranian population was aware of the work of their nation scientist and have already tested for different usage and medicine or

agriculture over years, once they knew that Mehran T. Keshe has launched such a simple technology to overcome the Coronavirus as "One Cup One Life" and has been successful in China, the nation took onboard to accept and carry out the trials themselves without any protocols by the government and health ministry.

In a way, people took the trials in their own hands and became part of the bigger trials nationally. They reported the effects to the doctors and other members of the public to the point that the GANS waters were sold by the shop keepers.

In response to such an event, the Iranian National Defense university took on board to test the GANS material and ran a 200-patient clinical trial in which the results were 90% success within days.

Then they carried out an MTT experiment on the GANS and the GANS water. Here in this section, we release the analysis of this test which has been provided by the university to the leading scientist advising Dr. Reza Asadi, to dosages, measurements and percentages and the report here is the summary of the writings of the advice of the doctor to the National Defense university.

Where he advises how for different cases the GANS plasma water are to be used and these became part of the official dosages to be used by hospitals once their approval is granted.

It is estimated that hundreds of Iranians took part in this national clinical trial on their own accord using the simple space science development cup technology launched by Mehran T. Keshe, to support the Iranian nation with the technology that is now used in most hospitals by doctors and nurses as the only solution to support their patients.

In most hospitals in majority of the cases, where the technology is allowed to be used by the doctors and the nurses' in direct way, we have not seen losses of patients or medical staff since the technology was introduced.

The hospital in the city of Mahallat is the only hospital that has openly taken the position to use the technology and has brought the virus under control in the city with the help of the mayor. This action has stopped the Coronavirus in the city of 50 000 population, as this has been announced on the national television in Iran.³⁶

Some of the patient's data and pictures released in Iran national media channels are added here where one can see the patients using the breathing systems, patches, and drinking GANS plasma water.

The pictures shown here are of what was given freely available in Iran by the hospital where the technology was used.

It can be seen in one of the pictures one of the volunteers that has been using the GANS plasma technology in hospital for his brother who is the Head of Coronavirus Control committee for his district and has contracted the virus while performing his work. He was released from the hospital with full recovery after several days from apply the GANS plasma technology protocols.

Therefore, this has been a national clinical trial with over 90% success carried out by hundreds of Iranians on their own accord as stated in this paper. In no time before ever such a position has been taken by a nation concerning the national disaster and in response to a simple procedure of advanced technology that they could produce and carry out by themselves at home.

Millions of followers of Mehran T. Keshe around the world are known as knowledge seekers, as he has been teaching the technology freely on public platforms in session known as "Knowledge Seekers Workshops" that are held every Thursday, 09:00 CET for the past 7 years.

The Iranian Knowledge Seekers support team made more than 15 videos showing step by step in how to produce the material, clean it, and apply it and how to use it as a solution to overcome Coronavirus. Some of the national volunteers who have provided their data to the hospitals and the doctors and their data is independently confirmed, are used in the analytical statistics which are discussed in the following sections.

Knowledge Seekers in Iran have developed a service sheet from hundreds of Iranians that have used this technology under a form that was provided by the National Defense University with the purpose of summarizing their conditions before and after, the method used by them with the GANS plasma technology for their recovery. These documents are kept separately as part of the archives of this report.

This is for the first time proven clinical trial results and not what has been a tradition in present time clinical trials regarding data collection. This has been a national clinical trial where the nation of Iran was saving its nation in response to the free open source technology offered by Mehran T. Keshe to overcome the Coronavirus and save lives.



Figure 47. GANS technology applied in the hospitals in Iran on Coronavirus illness

XV. CONCLUSION FROM TRIALS AND LABORATORY TEST REPORTS

DESCRIPTION OF THE MTT EXPERIMENT CONDUCTED GANS (GAS IN NANO SOLID) BY THE NATIONAL DEFENSE UNIVERSITY OF THE ISLAMIC REPUBLIC OF IRAN

Respectfully yours, the results of the MTT test for the sample are presented under the heading "Pure Gans" in the form of your sub-chart. It is necessary to mention a few points about the analysis of this sample.

1. The sample was tested in 10 dilutions (90, 80, 70, 60, 50, 40, 30, 20, 10, 10 and 100%) and within 24 hours after treatment on human fibroblast cells. Regarding dilutions: for example, 10% means 10% of the sample and 90% of the cell culture medium, 90% means 90% of the sample and 10% of the culture medium and so on.

2. Due to the unknown nature of the material for us and the lack of disclosure of any information about the sample, we used our own concentrations or experimental dilutions here.

3. The sample was first sterilized using a 0.22 μm filter and then diluted.

4. The results are expressed as Viability and the survival of the cells after treatment was compared with different dilutions of the sample with the control group (the group that received only the cell culture medium).

5. Sample analysis was performed using GraphPad Prism software and the test was used by Oneway ANOVA and a significant level of $0.05 < p$ was considered.

6. What makes decisions about these materials is

their practical purpose. Because the nature of this test is the direct contact of different concentrations of samples with human cells (here fibroblasts) and this type of test is more valid for assessing cellular toxicity or cytotoxicity of substances, drugs or external factors that are available orally or by injection. They are placed in the body or in the form of a bed or scaffold. The use of these substances in the form of a detergent for surfaces and the lack of direct contact with the human body in a short period of time (one to 24 hours) may not have side effects or their use to disinfect surfaces due to lack of direct contact. With the internal system of the body may not have side effects or cell death depending on what is shown in the tests. However, it should not be overlooked that due to the fact that this side does not know the nature of these substances, if there is skin absorption or skin allergies, eating and drinking unknowingly, etc., these substances can have side effects. Create for the individual.

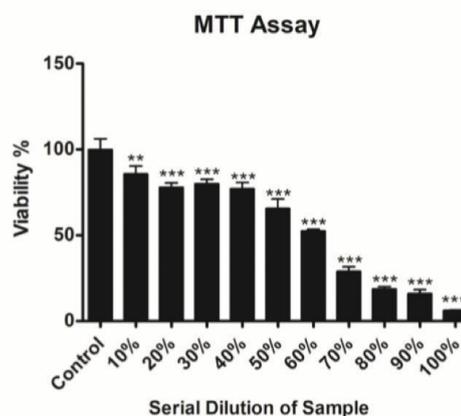


Figure 48. MTT test for the sample "Pure Gans"

DESCRIPTION OF THE MTT EXPERIMENT CONDUCTED GANS WATER (GAS IN NANO SOLID) BY THE NATIONAL DEFENSE UNIVERSITY OF THE ISLAMIC REPUBLIC OF IRAN

Respectfully yours, the results of the MTT test for the sample titled "GANS water" are presented in the form of the chart below. It is necessary to mention a few points about the analysis of this sample.

1. Samples in 10 dilutions (90, 80, 70, 60, 50, 40, 30, 20, 10 and 100%) and in MTT was tested for 24 hours after treatment on human fibroblast cells. Regarding dilutions: for example, 10% means 10% of the sample and 90% of the cell culture medium, 90% means 90% of the sample and 10% of the culture medium and so on.

2. Due to the unknown nature of the material for us and the lack of disclosure of any information about the sample, we used our own experimental concentrations.

3. The sample was first sterilized using a 0.22 μm filter and then diluted.

4. The results are expressed as a percentage of viability and cell viability after treatment with different sample dilutions. It was compared with the control group (the group that received only the cell culture medium).

5. Sample analysis was performed using GraphPad Prism software and the test used by Oneway ANOVA and a significance level of $0.05 < p$ was considered.

6. What makes decisions about these materials is their practical purpose. Because the

nature of this test is the direct contact of different concentrations of samples with human cells (here fibroblasts) and this type of test is more valid for assessing cellular toxicity or cytotoxicity of substances, drugs or external factors that are available orally or by injection. They are placed in the body or in the form of a bed or scaffold. The use of these substances in the form of a detergent for surfaces and the lack of direct contact with the human body in a short period of time (one to 24 hours) may not have side effects or their use to disinfect surfaces due to lack of direct contact. With the internal system of the body may not have side effects or cell death depending on what is shown in the tests. However, it should not be overlooked that due to the fact that this side does not know the nature of these substances, if there is skin absorption or skin sensitivities, eating and drinking unknowingly, etc., these substances can have side effects. Create for the individual.

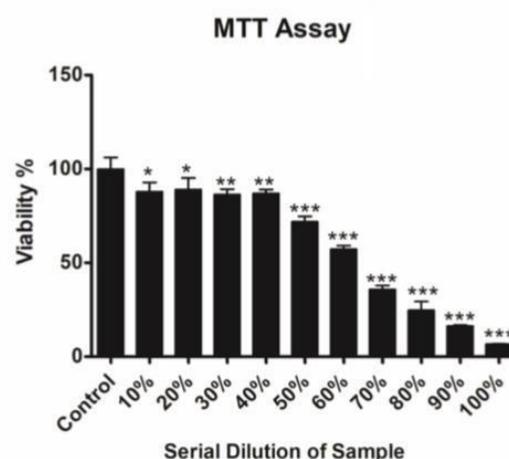


Figure 49. MTT test for the sample "Gans water"

ANALYSIS OF THE MTT EXPERIMENT CONDUCTED GANS (GAS IN NANO SOLID STATE) AND GANS WATER BY THE NATIONAL DEFENSE UNIVERSITY OF THE ISLAMIC REPUBLIC OF IRAN

This is the English translation of the analysis of the MTT.

In this experiment, the effect of GANS water and pure GANS toxicity separately are analyzed separately.

In this experiment the living human cells have been studied in different doses of GANSes and GANS water and it is described below:

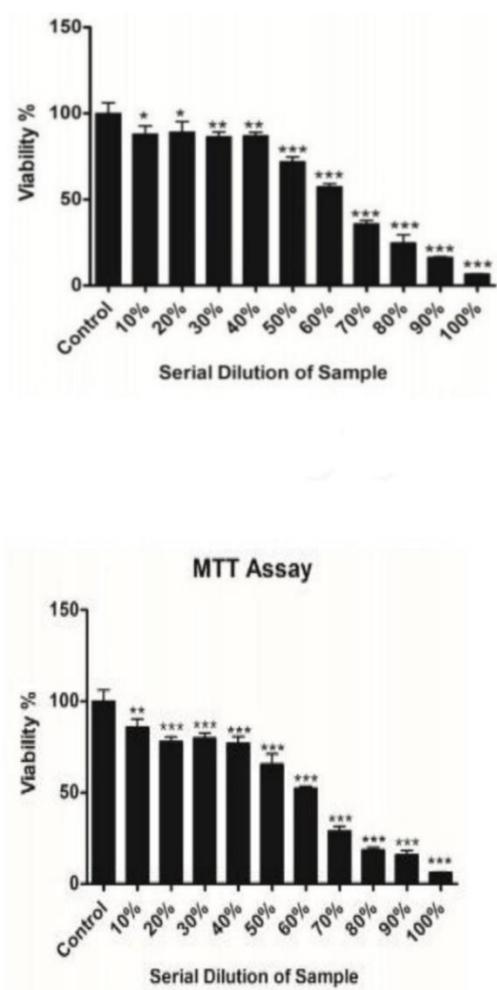


Figure 50. MTT Experiment on GANS water (top) and GANS (bottom)

Graph 1 Analysis:

As a Bright sample - GANS water - Figure 49 (top) - and opaque sample - GANS Figure 49 (bottom) - and their effect on living human cells.

As shown in the diagrams, both GANS water and GANS have acted in much the same way. In general, IC50 is acceptable and good, compared to simple chemical drugs such as acetaminophen and 10 to 40% have high-cell viability or high viability of 90 %. This means that if GANS water or GANS up to a concentration of 40%, either injected, topically applied, are safe and non-toxic for the human cell survival.

At concentrations of 50% and 60%, cell viability is still above 50%. At concentrations above 60%, GANS water, and GANS, the cell viability decreases and falls below 50%, eventually reaching 10%.

But the point is that it does not go to zero, and that indicates that in general, GANS water and GANS itself are not 100% toxic in any of the concentrations, and doctors and researchers can safely treat patients at doses of 10% to 40%.

In clinical examination, which is very clear: First, examine the environmental and local effects on the humans, and if the treatment is effective without side effects or with minimal and acceptable side effects, they can try oral and injectable methods according to defined clinical protocols. After confirming that the water of GANS and GANS itself is healthy in these doses, they can continue working on low and 50% doses with low risk.

In clinical trials, up to the same percentage may be sufficient to treat many patients, and in the treatment of more severe and severe patients with high mortality, physician-researchers can use

high doses up to 100% pure.

Start pure and carefully increase the dose and consider the therapeutic effects and side effects. My advice is that based on my experience, it is best to start with GANS water, which is very healthy, and even me and a lot of researchers have been using in oral and pure form and with a 100% dose for the last 2 years. We have used it and we have seen nothing but successful treatment and health. It has not had the slightest side effect for us and our patients.

After a clinical examination of all doses and concentrations of GANS water and the proven therapeutic effects on a variety of diseases and without any side effects, either orally or by injection, then begin a clinical examination of the GANS itself, which is clear that caution is important. And work with caution.

However, this plasma science is complete and is at the beginning of the road and has a lot of research and clinical work to do, and according to this MTT test, it is the strongest and most important test.

It is international and approved by the WHO and is the first and most important condition for physicians to begin clinical trials on patients.

And because IC50 of these GANS and GANS water are both healthier than many simple and healthy chemical drugs, such as prophen and acetaminophen ASA, it is expected that Iranian researchers and physicians, on different patients and with different doses start clinical trials and present all the results to the world in the form of articles, and the pioneers and flag bearers of this science in the world and make Iran the cradle of this science and all sciences, God willing.

XVI. OBSERVATION AND FORESEEING OTHER BEHAVIORS OF THE CORONAVIRUS

In the series of online teaching programs of the KF SSI Education from January 2020 onwards M.T. Keshe has forecasted and announced the new types and mutations in the Coronavirus infections, weeks before they were shown in public. This is due to the fact that KF SSI was closely involved with the virus development and analyzed the data using the methods of the new GANS plasma technology.

Due to the interaction of the Coronavirus, its Calcium characteristic behavior and its interactions with the human brain cells, the important point is that the virus could affect the memories and different parts of the human brain and spirits.

Suggesting a new and immediate way to deal with the viruses of the COVID family to quickly eliminate calcification in the body, is to use Cup of Life 1 GANS plasma water as a direct intravenous injection. It will also be used to fight future cancers caused by Calcium nucleation made by the effects of the COVID family of viruses.

Due to the calcification strength of the Coronavirus, this virus does not need necessarily to be taken in by breathing, food, or water. Now that the MaGrav transfer of energy of the cells is fully understood, we can envisage that the virus can transfer itself in the form of energy from an infected environment into the body of the man. This phenomenon has been unknown, and it is for the first time that we see such a field transfer of an entity into the body of the man. In future deep space travels this will be one of the biggest

problems for the human race. Transfer of virus energy through the skin and by matching the field strength of an organ.

Therefore, it is essential that the environment protection from this virus is paid attention to, and as the latest accident in India Air passengers⁴⁰, once it is in a given environment it can rapidly kill. It is utmost important that the governments take into consideration GANS disinfection systems (Figure 51) for aircraft to make them safe because it depletes the energy of the Coronavirus and its mutations from the public areas and environments (hospitals, trains, schools, offices, etc.)



Figure 51. Plasma GANS production unit to be used in large public areas and hospitals in Iran

As we announced in our initial reports at the beginning of the virus outbreak in January 2020, the virus can spread to any part of the body, given that there is a Calcium MaGravs field strength in every cell and the virus has a gravitational pull towards it. It creates Calcium energy and MaGravs field strength, forcing the cell to make Calcium and solidify it, what we call calcification.

According to this article, if Coronavirus enters the bloodstream it can cause Calcium nuclei in the blood and increase the concentration of blood and eventually embolism and strokes in this condition. In these cases, the energy can be transferred from the environment to the body and necessarily through other means.⁴¹

According to the researches, that has been observed in several countries in Iran, Italy, England, and China. Women's menstrual cycle has become abnormal and changed from once a month to every two weeks and sometimes even once a week. According to the observation of calcification in a dog in China, the calcification of the virus may soon reach other animals, including poultry and aquatic animals, which of course can be helped to recover in the same way.^{42 43 44}

XVII. DEPLOYMENT OF GANS PLASMA TECHNOLOGY IN PUBLIC IN IRAN

After examination of the technology by the scientists in Tehran National Defense University and the data they have achieved, with instruction and support of the university and other public offices in Iran, it was decided that the technology can be deployed directly in a certain number of

public places, such as mosques (Figure 52, 53 and 56), the streets (Figure 54 and 55) and consequently the delivery of the technology to the hospitals direct (Figure 47).

To this effect, several pilot projects were set up at different location in Tehran where the GANS water was applied for disinfecting the environment and the people of the mosques and on the streets.



Figure 52. GANS water spraying tunnel at the entry of a mosque in Tehran, Iran



Figure 53. GANS water spraying tunnel on public streets at the entry in a mosque in Tehran, Iran



Figure 54. GANS water spraying tunnel on public streets in Tehran, Iran

At the same time, the GANS plasma water was distributed through Iran mosques, for the families to be protected. This process is still ongoing to date. (Figure 56)



Figure 55. Spraying GANS water on the streets in Tehran, Iran



Figure 56. Sharing freely GANS plasma water among the food packages in the mosques across Iran

Figure 57 shows one of the places where trial mass-production of GANSes were carried out. Areas with the places where these systems have been deployed can be found in pictures released in public media.

With the support of the National Defense University of Iran, the new systems were developed by the Iranian Knowledge Seekers and manufactured ready to be supplied and to support everyone across Iran.



Figure 58. GANS production in Iran



Figure 57. GANS production trials in the National Defense University in Tehran, Iran

XVIII. FINDINGS

In this study, based on the statistical population of volunteer patients, the above-mentioned protocols were implemented by the patients and were monitored by a group of joint experts of the Keshe Knowledge Seekers and the National Defense University with the help of specialized questionnaires.

The findings obtained in this monitoring are as follows:

STATISTICAL ANALYSIS OF CORONAVIRUS IN THE NORMALITY DATA TEST

The data for the statistics below has been gathered from the hospital records from those who have been diagnosed and were in home quarantine and have shown the symptoms for the Coronavirus mutation in the lung and head.

The full data of the patients is kept and can be provided to the officials from ministries of health and government officials and no others due to the data privacy protection.

The statistics were collected from and across Iran between February and May 2020. Hundreds of Iranians participated in this trials and data has been examined and approved by 3 independent government and university officials by checking the data individually. This data will be carried on and gathered for different statistics as more and more cases are found in Iran. The number of cases as a whole will run through hundreds of Iranians who have been contaminated by the Coronavirus.

All data has been verified and the statistics have been done by Dr Nakhaee, Imam Hosein University.

Being normal for all columns

Single-sample test: Does the use of Coronavirus GANS & GANS water show that the symptoms of the disease are close to zero (complete recovery of the patient) or not? Or how close is it?

T-Test

One-Sample Statistics				
	N	Mean	Std. Deviation	Std. Error Mean
Symptoms after using Gans: Cough	156	4.01	14.618	1.170
Symptoms after using Gans: Fever	154	2.44	12.049	.971
Symptoms after using Gans: body Itchy	156	.00	.000 ^a	.000
Symptoms after using Gans: Chills	156	.96	8.465	.678
Symptoms after using Gans: Shortness of breath	156	3.21	13.234	1.060
Symptoms after using Gans: Pain	154	2.92	12.109	.976
Symptoms after using Gans: Nausea	155	.48	4.478	.360
Symptoms after using Gans: Anorexia	156	.32	4.003	.321
Symptoms after using Gans: Diarrhea	156	.96	8.928	.715
Symptoms after using Gans: lethargy	156	2.72	12.564	1.006

Table 1. T-Test

One-Sample Test							
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference		
					Lower	Upper	
Symptoms after using Gans: Cough	3.423	155	.001	4.006	1.69	6.32	
Symptoms after using Gans: Fever	2.508	153	.013	2.435	.52	4.35	
Symptoms after using Gans: Chills	1.419	155	.158	.962	-.38	2.30	
Symptoms after using Gans: Shortness of breath	3.025	155	.003	3.205	1.11	5.30	
Symptoms after using Gans: Pain	2.995	153	.003	2.922	.99	4.85	
Symptoms after using Gans: Nausea	1.345	154	.181	.484	-.23	1.19	
Symptoms after using Gans: Anorexia	1.000	155	.319	.321	-.31	.95	
Symptoms after using Gonzalez: Diarrhea	1.345	155	.181	.962	-.45	2.37	
Symptoms after using Gans: lethargy	2.708	155	.008	2.724	.74	4.71	

Table 2. Statistical analysis of Coronavirus symptoms after GANS protocol

In table 1, the mean score of the disease symptoms after using Coronavirus GANS compared to zero (complete recovery). This shows that the medicine has a good effect and shows that the treatment process has been done at a high level.

In table 2, shows the average score of the disease symptoms before using the drug relative to zero (healthy human). That is, it shows how severe the symptoms have been in our samples, and how the symptoms of the disease have been cured and treated after using Coronavirus GANS.

One-Sample Statistics				
	N	Mean	Std. Deviation	Std. Error Mean
Symptoms of shortness of breath	156	63.46	47.890	3.834
Symptoms Cough	156	58.49	48.235	3.862
Symptoms of itchy body	156	.48	6.005	.481
Symptoms of muscle cramps or pain	156	43.43	48.950	3.919
Symptoms of nausea	156	20.51	40.510	3.243
Symptoms of chills	156	25.96	42.586	3.410
Symptoms of fever	155	54.35	47.258	3.796
Symptoms of headache	153	29.41	44.622	3.607
Symptoms of pressure disorder	156	4.49	20.769	1.663
Symptoms of anorexia	156	8.01	26.939	2.157
Symptoms of diarrhea	156	8.33	27.140	2.173
Symptoms of loss of smell and taste	155	.65	8.032	.645
Symptoms of lethargy	156	36.22	45.992	3.682

Table 3. Statistical analysis of Coronavirus symptoms before the GANS protocol

One-Sample Test						
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Symptoms of shortness of breath	16.551	155	.000	63.462	55.89	71.04
Symptoms of Cough	15.146	155	.000	58.494	50.86	66.12
Symptoms of itchy body	1.000	155	.319	.481	-.47	1.43
Symptoms of muscle cramps or pain	11.081	155	.000	43.429	35.69	51.17
Symptoms of nausea	6.325	155	.000	20.513	14.11	26.92
Symptoms of chills	7.614	155	.000	25.962	19.23	32.70
Symptoms of fever	14.319	154	.000	54.355	46.86	61.85
Symptoms of headache	8.153	152	.000	29.412	22.28	36.54
Symptoms of pressure disorder	2.698	155	.008	4.487	1.20	7.77
Symptoms of anorexia	3.715	155	.000	8.013	3.75	12.27
Symptoms of diarrhea	3.835	155	.000	8.333	4.84	12.63
Symptoms of loss of sense of smell and taste	1.000	154	.319	.645	-.63	1.92
Symptoms of lethargy	9.836	155	.000	36.218	28.94	43.49

Table 4. Statistical analysis of Coronavirus symptoms before the GANS protocol

Analysis of the most common symptoms of patients with COVID-19 with GANS Plasma & GANS Plasma water.

Brief analysis of patients' recovery rate in common symptoms:

We first calculated a single sample of the "T" test for the total statistics, which results in the first and second tables after taking the "GANS Plasma", and the third and fourth tables for before taking the "GANS Plasma".

Note that we have determined the severity of the symptoms as follows.

Spectral value	The severity of the symptoms
0	There are no symptoms. (Healthy)
25	Low
50	medium
75	High
100	Severe

So, for example, if the symptoms of "fever" are recorded in a patient as number 75, it means that the amount of fever is high. Similarly, if the value of zero is recorded, it means no "fever".

We tested the "GANS Plasma" & "GANS Plasma Water" for 156 randomly selected individuals. We then tested a single T-test for the time before and after taking the drug against the default value of zero (according to the table above, for a healthy person who does not have the desired mark on his body). As seen in Tables 2 and 4.

As you see, the "sig. (2-tailed)" value of all of them is less than 0.5, which shows this test is meaningful.

In the Mean Difference column (in both tables 2 and 4), the value of the average difference in intensity shows the sign with the default value of zero. For example, for the "fever" sign before taking GANS Plasma, it indicates 54.355, which means that the average "fever" in our target population is 54.355 on average. And this number reaches 2.435 after taking the "GANS Plasma" in the second table. That is, the severity of fever in humans is very close to zero (healthy human).

Or in the symptoms of "cough" before taking "GANS Plasma" according to the monitoring of patients shows 58,494, which means that the severity of "cough" in our subjects is on average 58,494. And this number reaches 4.006 after

consuming "GANS Plasma" in Table 2. This means that the severity of "cough" in people is significantly closer to zero (healthy human).

Also in the symptoms of "shivering" before taking "GANS Plasma" according to patient monitoring shows 25.962, which means that the severity of "shivering" in our target population is 25.962 on average. And this number reaches 0.962 after consuming "GANS Plasma" according to Table 2. This means that the severity of "shivering" in people has reached a significant level of zero (healthy human).

Finally, the most important symptoms in COVID-19 disease are symptoms of "shortness of breath" before taking "GANS Plasma" based on monitoring. The average is 63.462. And that number reaches 3.205 after consuming "GANS Plasma" in Table 2. That is, the severity of "shortness of breath" in people is significantly closer to zero (healthy human).

These numbers are for all symptoms, indicating that the patients in question have improved significantly.

DATA INTERPRETATION

The T-Test shows complete normality and it is acceptable according to the international standards.

Any data over 10% of the main difference of a symptoms figure is considered to be highly effective. As it can be seen in the column Before GANS protocol in table 5 we see a significant reduction and recovery by the patients within the period of the test.

Significantly most of the victims suffer from shortness of breath which has dropped from

63.46 to 3.205 which means more of less 100% recovery. The same with the cough from 58.49 to 4.006. Significantly we see a drop in the fever from 54.35 to 2.435.

This technology shows conclusively that it is a major breakthrough in the fight against Coronavirus and to be implemented by the governments. The full recovery from the beginning until the end, in 90% of the cases is within 3 to 7 days. In majority of cases most of the pains are relieved within the first 48 hours, in some case even 3 to 6 hours from the application of first GANS plasma protocol session.

Test value=0

Symptoms (level of severity)	Before GANS protocol	After GANS protocol
Shortness of breath	63.46	3.205
Cough	58.49	4.006
Fever	54.35	2.435
Muscle cramp or pain	43.43	2.922
Lethargy	26.22	2.727
Chills	25.96	0.962
Nausea	20.51	0.484
Diarrhea	8.33	0.962

Table 5. The effect of GANS protocol (data collected from tables 2 and 4)

XIX. CONCLUSION

In this study, it was found that viruses, in addition to their physical structure, have magnetic and gravitational fields around them (MaGrav plasma fields). These MaGravs, like the atmosphere, are active around the virus. The interaction of these viral plasma fields with the living cell's plasma fields and the effect of its magnetic and gravitational interactions on the living cell leads to a significant reduction in cell energy and disease outbreak.

It was investigated that the specially-tailormade GANS plasma water with a given MaGrav strength in matching the plasmatic field strength as of the virus, but in a smaller quantity in terms of volume (which represents a smaller amount of energy but of the same strength) than the plasma field strengths of the virus, can be used to transfer the energy of the virus to the GANS water molecular plasmatic magnetic fields.

In a way, the bigger entity feeds the smaller and, in that process, the bigger entity, which is the virus, loses its volume of fields to the smaller quantity, which is the GANS water. In the world of plasma matching fields interact, but it is the quantity of one which is dictating the superiority towards the others.

Due to the process of production of GANSes, amino acid strength of different GANS is produced. For example when GANS of CO₂ is created, at the point of creation it has a specific CO₂ strength of that GANS amino acid strength which was produced on the surface of the GANS water, as the GANS amino acid of a given strength of CO₂. Therefore, in a process we can create a specific GANS amino acid of a given cell and at the same time, by creating CO₂ being able to connect the GANS amino acid of any cell in

the human body. With the other GANSes produced at the same time, same box, all have same strength with the strength of that GANS amino acid.

This meaning that one can produce Zinc GANS amino acid at a given strength and for the next process, by choice of different Copper percentage produce a different GANS amino acid at different strength for a different cell. One uses this property of the GANS to be able to connect with any cell in the body of the man and in the same time with that connection to add or deplete other energies which could be part of the MaGrav strength. Therefore, we can tailormade all the GANSes according to the GANS amino acid strength by predetermined choice of material.

In this process, it can lead to the loss of energy of the plasmatic magnetic field strength of the virus in trying to balance its plasmatic magnetic field volume with the plasma of the GANS water, the virus being depleted from its energy.

In space plasma physics, energy is defined as plasmatic magnetic fields in motion that the comparison between two points and the energy released within those two points gives the value of the energy which the plasma has received and given. The total balance field between magnetical and gravitational is the value of the energy which was spent in that given environment by the plasma.

The surplus energy absorbed by the GANS molecular structure can be used in different proportions by the other cells in the body as a source of replenishing energy.

Controlling the virus using Keshe GANS Plasma Space Technology is very simple, yet effective, for the following reasons:

Firstly, the GANS plasma water can be used for the identification of Coronavirus present in the cells of the body. This can be done by simple spray test or the introduction of the GANS plasma water to the skin of the body. This transfer of the magnetic gravitational fields from the virus to the GANS creates a field force pressure in the cell of the body.

This plasmatic field force pressure is not felt as a pain, but it is a plasmatic field force that can be felt by the neural system of the body of the man as a tightness or a pressure in the area where it is applied. As for example in the chest cavity or in the skull cavity. This method is an easy way to discover immediately where and which side of the body is affected more by the virus.

Secondly, the GANS plasma water can be used for treatment where the same process as in the detection, but on the long-term and more frequent use of the same GANS plasma water will deplete all the energy from the virus in small portions. This depletion comes from the interaction of every single GANS molecule as they pass the virus-infected cells.

In reality, continuous and repetitive use of GANS plasma water in the virus-infected area is like chipping at the ice block, where you take bits at the time until you eventually break the entire ice block.

This is the reason why repetitive use of GANSes is needed or the patches are repetitively soaked in the GANS solution or mixture to introduce continuously new GANSes to the environment of the body to be able to take slowly the fields from the affected Coronavirus cells. And collectively, over a period of time, slowly collective molecule of GANS plasma water will take away all the

energy from the Coronavirus infected energy area of the cells. This way, after a period of time, the cell is released from the encapsulation created by the expansion of the fields of the virus.

During the time, the virus has been in the interaction with the cell, the structure and the energy of the cell is normally damaged beyond repair. At this time at least there should be no more virus energy left in the environment of the encapsulated cells.

After the release of the cell from the grip of the Coronavirus, all the cells of the body of the man will go in a repair cycle, which then creates a normal secondarily fever in the body of the man.

At this stage, a large number of Coronavirus could have converted the plasma of the Calcium within the cell due to the inertia field strength effect of the virus towards the plasma of the Calcium of the cells which the virus was encapsulating, and therefore leading to the manifestation of Calcium in the area of the cell.

At this point, with a continuation of the use of the GANS plasma water then the GANS plasma water containing the plasmatic field strength of the Calcium due to its design, now interacts and decalcifies the cells which have gone through calcification phase during their encapsulation of the virus.

Therefore, by continuous use of the GANS plasma water, over time, after the recovery of the virus initial infection one shall see gradually the decalcification of the cells and the return of the normal condition.

Such a phenomenon and process have never been considered or have never been achievable by the world of past and present science.

As Coronavirus has calcified some of the cells due to the presence of the Calcium seed energy in every cell, then the GANS magnetic gravitational field, which contains the energy of the Calcium too will dissolve this weak Calcium back to the energy of the Calcium and the calcification will be reduced and gradually will see a reduction in the calcification affected area, as for example seen in the lung (Figure 28 and 29).

In cases of a strong usage of GANS in nebulizers we observed a rapid depletion in calcification and energy of the virus and these cases, we see formations of pockets of intercellular fluid that appear in the outer layer of the skin of the lung, pleura of the lung. Sometimes these intercellular fluid packages can cover a large percentage of the lung area. It is advised in all cases not more than 5% GANS solution to be added in the nebulizers.

When these conditions are observed it is important not to physically touch or puncture the pleura of the lung to extract the intercellular fluid. This liquid must be slowly absorbed by the body in time. By the touch of the lung through puncturing these sacks, the lung will not function properly and can bring later complications as the patient cannot breathe.

It is advised once using the GANS plasma water into the nebulizer, the patient should never be introduced to Oxygen until the saturation of Oxygen reaches 95%. Introducing the patient to rapid hospital Oxygen lines can create irreparable damages to the loose skin of these internal sacks.

In explaining this, we must say that the GANS as a plasmatic field carries ready-made available energy that can pass the walls of the lung and energize the blood. Then the lungs do not need to

work to convert Oxygen to energy and release it into the blood, and therefore the blood can take this energy directly from the GANS. This creates an opportunity for the lungs to relax, rebuild, and create a faster recovery condition.

In cases where the Coronavirus has affected the stomach and we see the solidification and hardening of the abdominal area, the patients usually complain about feeling like a stone. When the GANS plasma water is applied they report field pressure pain which confirms that the stomach has been infected with the virus. After the use of the patches and the water and when all the pains are released, then, in some cases, we see small lesions of intercellular fluid on the stomach lining.

In a further application of the GANS water as patches or drinking in some cases, we see a start of the separation of the inner wall of the stomach, with creating a sack of intercellular fluid behind. This can extend up to 2/3 of the stomach lining and the stomach gets filled with the intercellular fluid in the back of the inner lining.

This behavior is because the Coronavirus calcification was reversed and only the liquid of the cell is left behind. Due to large decalcification, a large amount of liquid is left between the wall of the stomach and the inner layers of the stomach. For this type of corona stomach pain, it is advised to use only 5% GANS plasma water and take a longer time to decalcify Coronavirus that the body stomach lining has the chance to gradually dispose of and absorb the liquid back into the body. The GANS plasma water given for drinking has to be again of the same order. It is advised at the appearance of these large sacks not to be touched because they only need time to subside and the lining of the stomach to fuse back together.

In the cases of people complaining of pressure in the kidneys the same procedure as the stomach is advised. Even using GANS water without any GANS in these two cases is advisable that the process of decalcification can match the body's ability to absorb the intracellular fluid, the intercellular fluid or combination of both.

The same behavior of separation of the wall and accumulation of liquid has been observed in the woman's reproductive system (ovaries, fallopian tubes, womb, and vagina), creating different pain. The same procedure of GANS plasma water only and a mixture of Cup of Life 2 GANS is advised as an application in this section.

Due to the Coronavirus and its effect on the lung tissues and calcification, with the present condition without using GANSes and converting the calcification back to energy we foresee that most of the patients with the lung Coronavirus will suffer in the coming years with a number of lung diseases and majority of these patients, estimated over 95% will die of Coronavirus caused lung damage and cancer, depending on the severity of the lung damage at the highest point and their recovery.

Therefore, the patients who had 10-20% lung damage and calcification will die faster than those that had 5-10 % calcification by order of magnitude of 40% to 80%. Most of the lung damage cause by Coronavirus infection will suffer for most of their lives for lung damage illnesses. The same will be with the Coronavirus liver, kidney, and digestion system damage.

It has been reported in one hundred cases where men have been affected by Coronavirus that all have lost their libido. Additionally, majority of those tested have been found with no live sperm.

Following interventions with GANS with the first patient using a special mixture of GANSes tested in another trial more than three years before. The doctor managed to revert the first volunteer's libido back to normal.

The trial is ongoing for observation of other patients.

Thirdly, GANS Plasma Water can be used to protect and prevent against the virus. In these cases, as the individuals take or use the GANS plasma water on the skin or frequent basis inhaling the GANS water, it makes sure that any virus which has entered the body and is at early stages it will be immediately depleted of its energy and it will not allow the growth and replication of the virus to its next stage.

There is an important factor and phenomenon with the GANS plasma water. And that is, the GANS products are natural. The body of the man treats the GANS products the same as any natural food energy supply and only takes from them what it needs, balancing the environment concerning the energy they carry. In a way, GANS can be used as a natural positive gradient energy transfer as food if it is of the higher volume order or can be used as natural negative gradient energy for the extraction of what is not needed by the body.

It works exactly and precisely as the body of the man as GANSes can be tailor-made for the specific needs of the body. Therefore, the body looks at the GANS as a natural process and takes what it needs and gives what it does not need as rejection energy. This is the beauty with this technology and knowledge where the energy of the GANS plasma and the GANS can be used both as food and, in the cases of viruses, as the extraction of energy.

Therefore, a GANS can be used as a prevention and protection from the viruses because it can be taken at any time that one feels the early stages of the virus and sees immediate results from the process.

This phenomenon makes the application and the use of vaccines irrelevant towards keeping in the body so many poisons that one day they might be of use. In GANS plasma technology one uses as it is needed and there is no harm done as it is a natural process. With this technology, one puts an end to the use and need of vaccines on Earth and in space.

Fourthly, the GANS plasma water can be used to clean and disinfect the environment this being due to the way that GANS plasma water is always weaker compared with any environmental viruses. Naturally, it depletes the energy of viruses that are in the environment of its application and renders their energy useless.

At the same time, itself does not become to be of virus level strength but due to the distribution of energy among so many molecules of GANS, it creates a balance field which is never enough to create infections.

When patients are using GANS plasma water, both for treatment and prevention, they may announce that they recover from or reduce the intensity of diseases preceding Coronavirus, in case such as lung and stomach aches, cancers, strokes, etc. They may report that their stomach, intestines, prostate, and uterine contractions have been reduced. They may be relieved of muscle swelling or osteoarthritis. These are all benefits of GANS plasma water. These are things that are found in this natural water and have natural effects. GANS is a natural substance. GANS plasma water is not a chemical liquid, but something that comes from the body's cells and

is by no means a substance that has negative effects.

In general, it can be said that if GANS is used properly, this GANS plasma water can be used far beyond the prevention and treatment of the virus. For example, if the water of the Cup of Life 2 GANS (and up to 1% to 2% of the GANS itself) is combined with a few drops of salt from the Cup of Life 1 GANS plasma water, it can be used as an antibiotic.

We can say that human beings have acquired a new technique and a new material for old and new diseases, and it can be expanded to such an extent.

The reason for this is the fact that the GANS behaves as a natural product and herbal behavior effect and at the same time it behaves as energy with pharmaceutical behavior effect and this is why it can cover both spectrums of medicine as one.

The GANS plasma water and GANSes in droplet conditions (i.e. meaning a few drops) in water or on the tongue can have a higher effect in some cases than drinking the GANS plasma water in milliliters. This trial was done and showed positive successful results in many illnesses.

In reality, the GANS plasma water behaves very much like homeopathic medicine, but with the true essence of measurements and the ability to interact with the body.

The GANS plasma water as it is a natural product and is a replication of the body structure of the man it responds to the heartbeat and releases its energy according to the same process as the normal body cells. In systems where the body needs to digest, absorb and release the strengths

of the fields of the GANS going through the body harmonizes with the heartbeat and makes it very effective and it is one of the reasons why GANS has such a successful response. Because it is the replication of the structures of the cells of the body of the man and cells have an affinity to materials that are of the same.

Because we use combinations of Cup of Life 1 GANS and Cup of Life 2 GANS, in the Cup of Life 1 GANS there is a large percentage of Zinc in a plasmatic form²² which is in energy level of energy fields of the neural system. This can repair and add to any neural or psychological pattern behavior and for this reason, for the first time in the world of medicine, we can tailor-made GANS which can support psychological and psychosomatic deficiencies.

For this reason, we always follow psychological patterns of the patients and we observe a noticeable difference in the behavior of the people who have used this in conjunction with Coronavirus and many other cases.

Interestingly enough, a large number of people that have used this material show reduction in blood pressure, diabetes, inflammation, and especially depression. These have been recorded by some of the volunteers.

In a way, Zinc-based GANSes in a correct ratio can be used in a natural psychological behavior correction in the world of medicine. This has been tested for epilepsy, Parkinson's, Alzheimer's, with over 80% success in China and Europe in other aspects of the development of this technology for the space program over the past 20 years.

In the new Keshe Space Plasma physics applications for health, in the cases of illness like cancer, we do not look at the blood tests in a way

the present medicine looks at and uses the information for treating cancer. In the space plasma technology, we look at the content of the element of the blood and organs in these cases where elevation in one or two elements indicates where is the cause of the center seed of the cancers. And GANSes are producing that specific element(s) in which we see an elevation in the blood or the organ.

For example, when we see stomach cancer and we take blood samples of the elements, if we see an elevation in Zinc and Copper, we understand this is a psychosomatic disease cancer and both the emotion and the physical parts have to be addressed. For this, we produce a GANS which has a Zinc and Copper content, and to this effect, when applied in an appropriate way and procedure we see a rapid reduction in cancer. In many cases, the total eradication of cancer.

To this effect, with the Coronavirus cancers to be upcoming from the Coronavirus in the future, the doctors have to ask and watch for Calcium elements in the blood and any elevation in Calcium shows that the cancer is based on the Coronavirus that the person must have had before.

For this reason, appropriate tailor-made GANS should have a mixture of Calcium in its entirety that can remove cancer from the body. This procedure will become standardized for all cancers that are due to Coronavirus. In future cancers, we might see a combination of the cancers and Coronavirus too and these need specially developed GANSes for both cancer and Coronavirus conditions.

As it can be seen from the certification provided, Keshe Foundation and Mehran Tavakoli Keshe have received certifications and licenses³⁹ in

2011 from Naturopathica society of Belgium to develop and produce these systems to be used by doctors and have been successfully applied for different illnesses across the world, by physicians. It can be noticed with the protocol that the use of technology as a new alternative health technology is ensured by Naturopathica society.

The GANS plasma technology can be used effectively for controlling tumors, especially leukemia, and liver cancer using an intravenous method and needs special attention from the medical world for new research into these new methods of control of cancer.

Similarly as for the blood analysis for cancers, for the first time, a criterion and a measure to prove that the virus is present was based on an increase in urea, creatinine, Phosphorus, and a decrease in Calcium in the blood, as a way of diagnosis for patients with Coronavirus disease. This blood analysis reading can be considered a more reliable test that can easily cover all types of Coronavirus.

The present method of using Aluminum-based tablets to stop the conversion of Phosphor and Sulfur to Calcium can be a possible way during the process of calcification of Coronavirus. This is disputable and needs further research and investigation. In the history of the GANS plasma technology done under the doctors' supervision in two cases with a similar disease in 2006-2008 can confirm this transition possible.

In these two cases the body continuously converts Phosphor into Calcium and deposits it in the vascular system and this accumulation leads to amputation due to gangrene. For this reason, we can see how Calcium from the conversion of the Phosphor can lead to Calcium

in the blood composition. This is the same process we see with certain heart cases, when we observe the blood thickening as reported by the Chinese and Italian scientists that have analyzed the blood of Coronavirus patients during autopsy.

In general, the increase in Phosphor and Sulfur variation can show depletion of Calcium where through the conversion of energy process by Coronavirus the body converts the energy of Calcium to the Calcium element in the matter state, due to the presence of the MaGravs strength of the Coronavirus in the level of the inertia of the Calcium to support the calcification.

Besides, when Calcium goes down and Phosphorus goes up, due to the plasmatic magnetic fields of the virus not being an entity but an energy package, this virus can have a direct long-term effect on DNA and RNA structure, being capable of creating a genetic defect in the future. In other words, the increase in Phosphorus in magnetic field strengths and not in the entity, can regulate and reduce the deficiency of Calcium in the endocrine glands, thus filling the place of Calcium. This increase in Phosphorus can play a role on the DNA structure that will cause genetic modification in the future.

The reason why we see multiple infections with the people recovered from the Coronavirus to be infected again is due to the fact that these people have established a Coronavirus-based field in the body. Later on, in their lives, as they come in contact with another environment or individuals that carry Coronavirus of slightly different strength, they pick up the same infection again, but of a different strength. This being the reason why we see many of the so-called recovered individuals from Coronavirus return back with a second, third and fourth infection. Mainly

because the body is weakened by the first Coronavirus infection and recovery, and at the same time, the body cannot go through the energy loss of the second infection and this leads to death of the person.

There is a misassumption in the world of medicine of today that the virus has reoccurred. In fact, they have recovered partially from the first infection, but the remaining energy fields of the virus from the first infection attracts the new strand of the virus from the affected environments or individuals.

The problem with these people is because now they carry two strands of the same virus, now it has become easier to infect more people, much more rapidly than when they had only one Coronavirus strand. This why we see a larger contamination and infection of others by the second time around infected Coronavirus persons.

The hidden energy behind the killing power of Coronavirus is the fact that it can utilize the MaGrav strength of the inertia of the Calcium to convert the energy of the Calcium of the cell to GANS plasma of the Calcium in the cell.

In reality Coronavirus on its own would not have been so deadly if one of the strands of the strength in the packages of its composite MaGrav strength was not at the strength of the inertia of Calcium in a plasmatic field environment.

This virus most probably would have been one of the most powerful viruses' mankind could have encounter that could have been used for many advancements in many technologies especially for the energy transfer and increase in intelligence.

As Coronavirus has a strength in the Calcium MaGrav field forces which in fact will interact with the Zinc of the brain and increase memory storage, it can be used as a good application for Alzheimer's and Parkinson's.

The pitfall with this is the inertia of the field strength of the Calcium. If mankind could extract this field strength energy could be a large Calcium production system using the space plasma technology.

With the discovery of GANS plasma technology and its effect shown with Coronavirus, this technology and knowledge now can effectively be used in cases of HIV and similar viruses which have been an enigma to the world of science. In reality, tests in Africa done on HIV patients have shown positive results and drastic change in the structure of the life of the patients where the HIV markers have become so low that it is not considered infectious.

With the new statistical data coming from the Iranian statistics monitoring group from Tehran university, the data confirms 95% success in eradication of Coronavirus in Iran using the GANS plasma technology. Such a result and outcome is unprecedented in the world of science and medicine.

This trial is still ongoing in Iran and thousands of people are still using these protocols at home using the social media support channels or in the hospitals waiting for the approval of the ministry of health of Iran to be used nationally through the certification.

The results from these trials and the data analyzed are that Keshe GANS Plasma Space Technology and the knowledge it reveals is the first and only way to deal with viruses by

depleting viruses' energy and making them ineffective and non-damaging against living cells.

By influencing the plasma fields of the virus, this study shows that other methods which only try to control the virus by strengthening the immune system will not be as effective and efficient directly.

It has to be noted that in Iran, through the approval of the ministry of health over 110 certified medicine that was approved by WHO has been used to combat Coronavirus, but with a limited effect.

It is expected that the Iranian government will transfer this findings to WHO and to all the governments, with the support of His Eminence Ali Khamenei of Iran and with the supporting university for this report and application across Tehran and other hospitals and universities by the Iranian National Defense University.

In this report the writer would like to thank and pay respect to the senior research officer of the Iran National Defense University, Dr. Ali Asghar Behnam Nia for his relentless support and encouragement of Keshe Knowledge Seekers in Iran to be able to achieve the maximum for the Iranian nation through this technology.

The new process of GANS plasma showing over 90% success in these cases and the new versions of the mutation of Coronavirus, has been implemented in different hospitals by different doctors against Coronavirus and should be used for any future viruses that could manifest themselves in the world.

This technology shows conclusively that it is a major breakthrough in the fight against

Coronavirus and to be implemented by the governments. The full recovery from the beginning until the end, in minimum 90% of the cases is within 3 to 7 days. In majority of cases most of the pains are relieved within the first 48 hours, in some case even 3 to 6 hours from the application of first GANS plasma protocol session.

Without the shout of a doubt the GANS plasma technology has to be implemented as a matter of urgency by all nations and using a simple method to specifically reduce the death toll brought about through this virus and all its mutations. In conclusion, one can say mankind has reached a new watershed in the world of medicine.

From the large-scale trial in the nation of Iran, we can say that the GANS plasma technology has the most effective way to reduce Coronavirus death rate, control infections, detect in a fast way, and clean up the environment from the Coronavirus. It can be one of the ways that can be adopted by WHO for the fast track out of the problem the Coronavirus has created as it was shown in Iran.

The success of this trial with Coronavirus in Iran is primarily due to the way the Knowledge Seekers in Iran set and designed the new opportunities available by social media channels that they could reach as many people all over the nation and in the same time setting a 4th tier structure of one. Public could come in to ask for help or the doctors or the specialists for their patients where 90 000 people or groups frequently, then the 2nd tier of the support of the social media front with volunteers over 50 in front and tens of hundreds of secondary volunteers to deliver and to support both the waters and the systems for people to use and to teach. The 3rd tier is specialized doctors in the background advising those who needed further

support for those in critical condition. The 4th tier and most important in the using of the social media, pinning, and making live videos on how to make, apply and test the GANS etc. that people could go and refer to. It made it possible for millions of people to directly help themselves. Over 15 such videos were made for people to help themselves, even without knowing about the technology but learning to do and use.

If this process as it was setup by Iran could be setup by governments most of the Coronavirus condition in the nations could be eradicated worldwide within 60 days from the released of this paper.

M.T. Keshe and the knowledge seekers of his technology exceeding millions around the world are prepared to support all governments for a fast track of knowledge delivery of the technology for this purpose.

M.T. Keshe sees and wishes that the Iranian National Defense university becomes the center of excellence to eradicate the viruses in collaboration with M.T. Keshe and other scientists and governments around the world.

XX. APPRECIATION AND THANKS

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XXI. WRITERS' SHARE

Authors have standardized writing standards based on the recommendations of the International Committee of Medical Journal Publishers.

Research Report: Carrying out inhibitor zone tests and determination of MIC-values with different substances and bacteria

[Free translation of the Original Research Report by Dr. Andreas Adler, Austrian Agency of Health and Food Safety (AGES): "Durchführung von Hemmstofftests und Bestimmungen von MIC-Werten mit verschiedenen Lösungen und mit diversen Keimen]

1. Determination of MIC-values

1.1. Experimental Design

1.1.1 Cell suspension, test germs

As test germs, field isolates of *Salmonella* Mbandaka were used, isolated from feeding stuff and *Salmonella typhimurium* (ATCC 14028), reference cultures from a WDCM-culture collection. From this bacterial strains, cell suspensions with a cell density of 10^5 CFU (colony forming units) per ml nutrient solution (autoclaved growth medium) were produced.

1.1.2 Test substances, dilution series

From the top of the test-bottles, the liquid was pipetted ("CO₂-GANS-Water", "CuO-GANS-Water" and a 1:1 mixture of both). From the bottom of the test-bottles, 3 additional substances were taken ("CO₂-GANS", "CuO-GANS" and a mixture of both), as a result it was a mixture of flocks and liquid.

Out of this 6 products, dilution series in nutrient solution with the test germs were produced. The solutions were diluted in 6 steps in each case 1:1 with nutrient solution. Initiated with a dilution of 20% of the GANS-Waters ("CO₂-GANS-Water", "CuO-GANS-Water" and a 1:1 mixture of both) and 80% of the nutrient solution, 6 dilution series 20/80, 10/90, 5/95 (GANS-Water/nutrient solution with test germs) etc. were produced. Similarly, dilution series were produced out of GANSes ("CO₂-GANS", "CuO-GANS" and a mixture of both), initiating with 10% GANS und 90% nutrient solution. As well as with GANS-Waters, also from GANSes, 6 dilution series in 1:1 steps were produced. All GANSes were delivered by the Keshe Foundation, there were no analysis concerning the composition of the materials available.

1.1.3 Procedure

Each dilution series is pipetted 4 times 100 µl each (each Well contains 10^5 CFU) into a 96 Well microtiter plate and incubated at a temperature of 37°C overnight. Then the single wells were evaluated through searching visible growth of bacteria, the indication was the turbidity of the nutrient solution. Wells without explicit turbidity or without cell pellet are being laid on TSA-plates (Trypton Soja Agar) and incubated at a temperature of 37°C over night again. The growth of *Salmonella* Colonies was counted afterwards. Blank tests, nutrient solution without test substances, were applied.

1.2 Results

CuO-Water, CO₂-Water as well as the 1:1 mixture of both do not show, under current test conditions, the inhibitory effect against both types of Salmonella. After adding GANS to the solution, there could be seen an inhibitory effect and a reduction of Salmonella growth (see table 1). 10 % CuO-GANS leads with Salmonella Mbandaka to a reduction of 5 Log steps compared to the solution at the beginning of the test. At the same rate the germ concentration of S. Typhimurium was reduced already at dilution of 5% CuO-GANS. [Editor's note: After a personal meeting with Dr. Adler it is confirmed, that the "reduction of 5 Log steps" means, that Salmonella is 100% destroyed]

With the addition of 2,5% and 1,25% CuO-GANS a reduction of 3 Log steps could be achieved. With the addition of 10 % CO₂ GANS only with S. Mbandaka there could be a reduction between 2 till 3 Log steps.. Using S. Typhimurium there could be no inhibitory effect through CO₂ observed. With the addition of 10% focusing on the 1:1 mixture S. Mbandaka could lead to a reduction of 3 Log steps and of 2 Log steps with S. Typhimurium.

<i>Salmonella Mbandaka</i>					
CuO Flocken	Koloniezahl auf TSA	CO ₂ Flocken	Koloniezahl auf TSA	1:1 Mischung	Koloniezahl auf TSA
10,0 %	kein Wachstum	10,0 %	10 ² - 10 ³	10,0 %	~ 10 ²
5,0 %	ca. 10 ¹	5,0 %	überwachsen	5,0 %	überwachsen
2,5 %	ca. 10 ²	2,5 %	überwachsen	2,5 %	überwachsen
1,25 %	überwachsen	1,25 %	n.a.	1,25 %	n.a.
0,62 %	überwachsen	0,62 %	n.a.	0,62 %	n.a.
0,3 %	n.a.	0,3 %	n.a.	0,3 %	n.a.
0,15 %	n.a.	0,15 %	n.a.	0,15 %	n.a.
<i>Salmonella Typhimurium</i>					
CuO Flocken	Koloniezahl auf TSA	CO ₂ Flocken	Koloniezahl auf TSA	1:1 Flocken	Koloniezahl auf TSA
10,0 %	kein Wachstum	10,0 %	überwachsen	10,0 %	ca. 10 ³
5,0 %	kein Wachstum	5,0 %	n.a.	5,0 %	überwachsen
2,5 %	10 ¹	2,5 %	n.a.	2,5 %	n.a.
1,25 %	10 ²	1,25 %	n.a.	1,25 %	n.a.
0,62 %	n.a.	0,62 %	n.a.	0,62 %	n.a.
0,3 %	n.a.	0,3 %	n.a.	0,3 %	n.a.
0,15 %	n.a.	0,15 %	n.a.	0,15 %	n.a.

n.a.: nicht analysiert; Wells zeigen eindeutige Trübung bzw. ein Zellpellet

Table 1: Growth of Colonies on TSA after adding CuO- and CO₂-GANS suspensions as well as a 1:1 mixture. "CuO-Flocken" = CuO GANS, "CO₂-Flocken" = CO₂ GANS, "Koloniezahl auf TSA" = Colony Count on TSA-plate, "kein Wachstum" = No growth, "überwachsen" = outgrown

1.3 Interpretation/Summary MIC-values

The test substances (GANS suspensions of different dilution) have been introduced in cell suspensions with a cell density of 10⁵ CFU per 0,1ml (= 10⁶ CFU per ml) nutrient solution. After the incubation of the plates overnight, single wells without explicit growth of bacteria are

being laid on TSA-plates, spread out and also incubated overnight. Then the plates were checked on Salmonella colonies growth (as indicator for growth of bacteria) and the colonies were counted as far as possible. As "überwachsen", outgrown, agar plates with compact bacterial growth could be assessed, in this case, there was no distinction between bacterial colonies possible.

Under these conditions, on agar-plates without visible bacterial growth (after incubation) the reduction of germ content for 5 Log steps was assumed. In case, colonies in the order of 10^1 (respectively about 10^3 colonies) were counted, a reduction of germ content for 4 Log steps (respectively 2 Log steps) was assumed. In case, the agar plates were completely outgrown, the test substance was assessed as having no inhibitory effect on Salmonella growth.

Under given test conditions, agar plates having smaller numbers of colonies, a relative stronger inhibitory effect of tested substances on Salmonella was assumed. For agar plates without visible growth of bacteria, the relative strongest reduction of Salmonella in the certain variants in combination with the tested substances was assumed. This inhibitory effect was only achieved in conjunction with a concentration of at least 5%, respectively 10% of a test variant. The minimal inhibitory concentration therefore was in this test setup the concentration of 5%, respectively 10% of the test variant.

2. Agar diffusion test (VDLUFA method)

The detection method is based on growth inhibition of sensible bacterial test germs towards a test solution or an extract respectively a test suspension from test substances. Possible, in the substances contained antibacterial effects, inhibit the growth of the test strains during the turbidity, as a result, zones free of growth "Hemmhöfe" occur on the outgrown plates. As reference substances, well known antibiotics were used. Following the inhibitor test "Hemmstofftest" according to VDLUFA-method, in the agar diffusion test "Agardiffusionstest", the inhibitory effect of GANS-water and GANS on defined test germs were examined.

2.1. Experimental Design

2.1.1 Test Germs, perforated plates

For the test, 4 test strains (*Kozuria rhizophila*, *Micrococcus luteus*, *Bacillus megaterium*, and *Bacillus subtilis* subsp. *spizizenii*), were mixed into the single autoclaved, to 50°C cooled nutrient solution. The inoculated suspension was chosen to obtain an approximate germ density of 10^6 CFU/ml. In each case, 40ml of finished, inoculated nutrient solutions were poured into petri dishes. In the solidified nutrient medium, holes ($d=10\text{mm}$) were pressed. Each sample was tested with plates from all 4 test germs. As positive control, plates of antibiotics were placed on the inoculated agar.

2.1.2 Test substances / samples

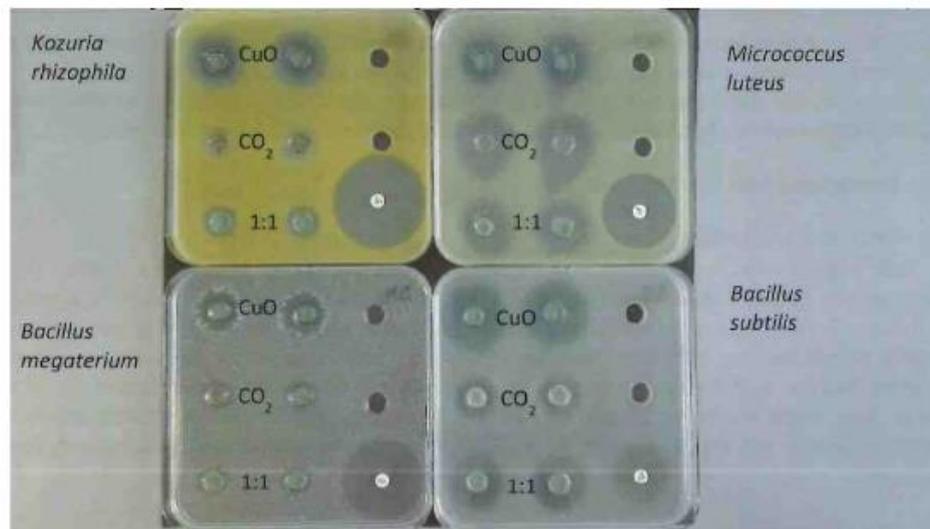
From the liquid above the GANS flocks in the test bottles, test substances ("CO₂-GANS-water", "CuO-GANS-water" and a 1:1 mixture) were pipetted. From the flocks at the bottom of the same test bottles 3 further test substances ("CO₂-GANS", "CuO-GANS" and a 1:1 mixture of both, actually in all 3 cases it was a mixture of flocks and liquid). This 6 products ("GANS-waters" and "GANS") were tested undiluted as pure substances and were supplied by the Keshe Foundation.

2.1.3 Procedure

All 6 samples (GANS-waters and GANSes) were tested undiluted. For this purpose, 200 µl of the test solution respectively the test suspension were pipetted into 2 of the pressed holes (The agar plates were inoculated before with the test germs *Kozuria rhizophila*, *Bacillus megaterium*, *Micrococcus luteus* and *Bacillus subtilis*). The test plates were incubated overnight. Then the resulting inhibitory zones (free from bacterial growth) were measured, using a vernier caliper and the radius was given in millimetre. Samples without inhibitory zones were assessed as negative. As reference substances for quality control, well known antibiotics were used, in each case in combination with a test germ: *K. rhizophila* (small plate 10 microgram Amoxicillin), *M. luteus* (small plate with 10 IE Bacitracin), *B. megaterium* (small plate with 10 microgram Tetracyclin) respectively *B. subtilis* (small plate with 23,75/1,25 microgram Sulfamethoxazol/Trimethoprim).

2.2 Results

After the incubation of the inoculated plates with GANS-waters, no inhibitory zones could be noticed.



Picture 1: Inhibitory zones, the result of the use of different GANSes (4 test plates, inoculated with test germs *Kozuria rhizophila*, *Micrococcus luteus*, *Bacillus megaterium*, and *Bacillus subtilis*)

GANS (CO₂-GANS, CuO-GANS and a mixture of both, actually in all 3 cases a mixture out of flocks and water) showed in contrast at all plates inhibitory zones, see picture 1.

The use of CuO-GANS led at all 4 test germs to strong inhibitory zones, the greatest radius (10 mm) could be observed with *Bacillus subtilis*. Using CO₂-GANS as well as the mixture of both GANSes in combination with the test germs *Kozuria rhizophila* and *Bacillus megaterium*, small radii (1 to maximum 2mm) were measured. In the area of *Micrococcus luteus*, the highest value for CO₂ flocks was measured (5,5mm), in the area of *Bacillus subtilis*, the greatest diameter for the mixture of both GANSes (7,5mm) was observed.

CuO Flocken		CO ₂ Flocken		1:1 Mischung	
Testkeim	Hemmzone, Radius (mm)	Testkeim	Hemmzone, Radius (mm)	Testkeim	Hemmzone, Radius (mm)
<i>K. rhizophila</i>	5,5	<i>K. rhizophila</i>	1	<i>K. rhizophila</i>	1,5
<i>B. megaterium</i>	4,5	<i>B. megaterium</i>	2	<i>B. megaterium</i>	1
<i>B. subtilis</i>	10	<i>B. subtilis</i>	3,5	<i>B. subtilis</i>	7,5
<i>M. luteus</i>	5	<i>M. luteus</i>	5,5	<i>M. luteus</i>	4,5

Table 2: Inhibitory zones in agar diffusion test, radius in millimetre

Picture 2 shows 4 vials, which contain the flocks pipetted from the original test bottles. Flocks from the CuO-GANS show a – for copper typical – blue staining. If and how much copper oxide is contained in the product was not tested.



Picture 2: Vials, filled with CuO-GANS and CO₂-GANS

2.3 Interpretation/Summary agar diffusion test

All 6 samples (GANS-water, GANS) were tested undiluted as pure substances. Inhibitory zones could not be shown with GANS-waters, but the use of GANSes led at all 4 test germs to strong inhibitory zones. The maximum size of inhibitory zones for all GANSes in combination with test germs were determined. For CuO-GANS in combination with the test germ *Bacillus subtilis* and for CO₂-GANS with the test germ *Micrococcus luteus*, the greatest diameter could be measured.

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ERGEBNISBERICHT

Betreff: Durchführung von Hemmstofftests und Bestimmung von MIC-Werten mit verschiedenen Lösungen und mit diversen Keimen

Sehr geehrter Herr Dr. Priller!

Anbei übermitteln wir den Ergebnisbericht zu den durchgeführten Hemmstofftests nach VDLUFA-Methode und der Bestimmung von MIC-Werten im Verdünnungsverfahren in Mikrotiterplatten mit diversen Keimen und Substanzen entsprechend dem erweiterten Auftrag laut Mail vom 25.01.2018.

Leistungsbeschreibung

Mittels Hemmstofftest nach VDLUFA-Methode (Verfahren mit 4 Testkeimen *Bacillus subtilis*, *Bacillus megaterium*, *Kocuria rhizophila* und *Micrococcus luteus*) wurden insgesamt 6 Proben („GANS“-Lösungen und suspendierte „GANS“-Flocken) auf hemmende Wirkung untersucht (qualitative Untersuchung).

Zusätzlich wurden mit einem Salmonella-Feldisolat (*S. Mbandaka*) und einem Referenzkeim (*S. Typhimurium*) mittels Verdünnungsverfahren in Mikrotiterplatten Untersuchungen zur Ermittlung der minimalen Hemmkonzentration (MIC-Werte) dieser Testsubstanzen durchgeführt.

Der Leistungsumfang umfasste somit folgende Abschnitte:

- Hemmstofftest von 3 flüssigen und 3 suspendierten flockenförmigen Testsubstanzen („CO₂-GANS-Lösung bzw. -Flocken“, „CuO-GANS-Lösung bzw. -Flocken“ und eine 1:1 Mischung der jeweiligen beiden Lösungen bzw. Flocken) nach VDLUFA-Methode mit 4 Standardkeimen (*Bacillus subtilis*, *Bacillus megaterium*, *Kocuria rhizophila* und *Micrococcus luteus*)
- Ermittlung der minimalen Hemmkonzentration (MIC) dieser 3 flüssigen und 3 suspendierten flockenförmigen Testsubstanzen mittels Verdünnungsverfahren in Mikrotiterplatten mit zwei *Salmonella*-Stämmen, davon mit einem Feldisolat (*S. Mbandaka*) und einem Referenzkeim (*S. Typhimurium*).

Die Proben („GANS“-Substanzen) wurden vom Auftraggeber zur Verfügung gestellt. Zeitraum der Untersuchungen war von 25.01.2018 (Auftragsbeginn) bis 13.02.2018 (Übermittlung Kurzbericht).

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Ergebnisbericht

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1. Bestimmung der MIC-Werte

1.1. Versuchsaufbau und Methode

1.1.1. Testkeime, Zellsuspension

Als Testkeime kamen zum Einsatz: ein Feldisolat von *Salmonella* Mbandaka, isoliert aus Futtermittel und *Salmonella* Typhimurium (ATCC 14028), Referenzkultur aus der WDCM-Stammsammlung. Aus diesen Bakterienstämmen wurden Zellsuspensionen mit einer Zelldichte von 10^6 KBE (Kolonien bildende Einheiten) je Milliliter (ml) Nährlösung (autoklavierte Nährbouillon) hergestellt.

1.1.2. Testsubstanzen, Verdünnungsreihe

Aus dem flüssigen Überstand der Probeflaschen wurden die flüssigen Testsubstanzen („CO₂-GANS-Lösung“, „CuO-GANS-Lösung“ und eine 1:1 Mischung dieser beiden Lösungen) pipettiert. Aus dem ausgeflockten Bodensatz derselben Flaschen wurden drei weitere Testsubstanzen gewonnen („CO₂-GANS-Flocken“, „CuO-GANS-Flocken“ und eine 1:1 Mischung dieser beiden Produkte, tatsächlich in allen drei Fällen eine Suspension aus Flocken und Lösung).

Aus diesen insgesamt 6 Produkten (Lösungen bzw. Flocken) wurden Verdünnungsreihen in keimhaltiger Nährlösung hergestellt. Die Lösungen wurden in 6 Schritten jeweils 1:1 mit Nährlösung verdünnt. Beginnend mit einer Konzentration von jeweils 20 % der Lösungen („CO₂-GANS-Lösung“, „CuO-GANS-Lösung“ und eine 1:1 Mischung dieser beiden Lösungen) und 80 % Nährlösung wurden 6 Verdünnungsstufen 20/80, 10/90, 5/95 etc. jeweils Testlösung/keimhaltige Nährlösung hergestellt.

In gleicher Weise wurden aus den suspendierten Flocken („CO₂-GANS-Flocken“, „CuO-GANS-Flocken“ und der 1:1 Mischung) Verdünnungsreihen erzeugt, beginnend mit 10 % Flockensuspensionen und 90 % Nährlösung. Auch hierbei wurden 6 Verdünnungsstufen angelegt, jeweils in 1:1-Schritten.

Sämtliche Testsubstanzen („GANS“-Substanzen) wurden vom Auftraggeber zur Verfügung gestellt, zur Zusammensetzung lagen keine Analysendaten vor.

1.1.3. Durchführung

Von jeder Verdünnungsstufe wurden viermal je 100 µl in die einzelnen Vertiefungen einer 96 Well Mikrotiterplatte pipettiert (jedes Well enthielt somit 10^5 KBE des betreffenden Testkeims) und über Nacht bei 37°C inkubiert. Danach wurden die einzelnen Wells auf sichtbares Bakterienwachstum ausgewertet, dabei wurden eine Trübung der Nährlösung oder ein sichtbares Zellpellet als Indikator für Bakterienwachstum gewertet. Aus Wells ohne oder ohne eindeutige Trübung bzw. ohne erkennbares Zellpellet wurde der gesamte Inhalt auf Agarplatten (TSA - Trypton Soja Agar) übertragen, ausgestrichen und ebenfalls über Nacht bei 37°C inkubiert. Danach wurden die Platten auf Wachstum von *Salmonella*-Kolonien (als Indikator für Bakterienwachstum) geprüft, Kolonien wurden soweit möglich ausgezählt. Entsprechende Blindproben, d.h. Nährlösung ohne Zugabe von Testsubstanzen wurden mitgeführt.

1.2. Ergebnisse

Keine der Lösungen („CO₂-GANS-Lösung“, „CuO-GANS-Lösung“, 1:1 Mischung dieser beiden Lösungen) zeigten unter den gegebenen Testbedingungen eine Hemmwirkung gegen Salmonellen, also weder bei *S. Typhimurium* noch bei *S. Mbandaka*, und auch nicht in der höchsten Konzentrationsstufe von 20 %.

Nach Zugabe von GANS-Flocken konnte dagegen eine Hemmung bzw. eine Reduktion des *Salmonella*-Wachstums in unterschiedlichem Ausmaß festgestellt werden (vergl. Tabelle 1). Bei *S. Mbandaka* wurde durch Zugabe von 10 % CuO Flocken-Suspension eine Reduktion des Keimgehalts um 5 Log-Stufen im Vergleich zur aufdotierten Nährlösung zu Beginn der Untersuchung erzielt.

Im selben Ausmaß wurde der Keimgehalt von *S. Typhimurium* bereits nach Zugabe von 5 % CuO Flocken-Suspension reduziert. Mit der Zugabe von 2,5 % bzw. 1,25 % CuO Flocken-Suspension konnte eine Reduktion um etwa 3 Log-Stufen erreicht werden.

Mit einer Zugabe von 10 % der CO₂ Flocken-Suspension zur Nährlösung konnte nur bei *S. Mbandaka* eine Reduktion um 2 bis 3 Log-Stufen bewirkt werden. Bei *S. Typhimurium* konnte keine hemmende Wirkung durch CO₂ Flocken-Suspension festgestellt werden. Die Zugabe von 10 % der 1:1 Mischung der beiden Flocken-Suspensionen führte bei *S. Mbandaka* zu einer Reduktion der Keimzahlen um etwa 3 Log-Stufen und um etwa 2 Log-Stufen bei *S. Typhimurium*.

Tabelle 1: Koloniewachstum auf TSA nach Zugabe von CuO- und CO₂-GANS-Flocken-Suspension sowie einer 1:1 Mischung dieser GANS-Flocken-Suspension

<i>Salmonella Mbandaka</i>					
CuO Flocken	Koloniezahl auf TSA	CO ₂ Flocken	Koloniezahl auf TSA	1:1 Mischung	Koloniezahl auf TSA
	kein Wachstum		10 ² - 10 ³		~ 10 ²
10,0 %	Wachstum	10,0 %	überwachsen	10,0 %	überwachsen
5,0 %	ca. 10 ¹	5,0 %	überwachsen	5,0 %	überwachsen
2,5 %	ca. 10 ²	2,5 %	überwachsen	2,5 %	überwachsen
1,25 %	überwachsen	1,25 %	n.a.	1,25 %	n.a.
0,62 %	überwachsen	0,62 %	n.a.	0,62 %	n.a.
0,3 %	n.a.	0,3 %	n.a.	0,3 %	n.a.
0,15 %	n.a.	0,15 %	n.a.	0,15 %	n.a.
<i>Salmonella Typhimurium</i>					
CuO Flocken	Koloniezahl auf TSA	CO ₂ Flocken	Koloniezahl auf TSA	1:1 Flocken	Koloniezahl auf TSA
	kein Wachstum		überwachsen		ca. 10 ³
10,0 %	kein Wachstum	10,0 %	n.a.	10,0 %	überwachsen
5,0 %	Wachstum	5,0 %	n.a.	5,0 %	überwachsen
2,5 %	10 ¹	2,5 %	n.a.	2,5 %	n.a.
1,25 %	10 ²	1,25 %	n.a.	1,25 %	n.a.
0,62 %	n.a.	0,62 %	n.a.	0,62 %	n.a.
0,3 %	n.a.	0,3 %	n.a.	0,3 %	n.a.
0,15 %	n.a.	0,15 %	n.a.	0,15 %	n.a.

n.a.: nicht analysiert; Wells zeigen eindeutige Trübung bzw. ein Zellpellet

1.3. Interpretation/Zusammenfassung MIC-Werte

Die Testsubstanzen (Flocken-Suspensionen unterschiedlicher Verdünnung) sind zu Untersuchungsbeginn in Bakterien suspensionen mit einer Zelldichte von 10⁵ KBE je 0,1 ml (= 10⁶ KBE je ml) Nährlösung eingebracht worden. Nach Bebrütung der Platten über Nacht wurde aus Wells ohne eindeutiges Bakterienwachstum der gesamte Inhalt auf Agarplatten übertragen, ausgestrichen und ebenfalls über Nacht inkubiert. Danach wurden die Platten auf Wachstum von *Salmonella*-Kolonien (als Indikator für Bakterienwachstum) geprüft und die Kolonien wurden soweit möglich ausgezählt. Als überwachsen wurden Agarplatten mit so dichtem Bakterienwachstum beurteilt, das keine Unterscheidung von einzelnen Bakterienkolonien mehr erlaubte.

Unter dieser Vorgabe wurde bei Agarplatten ohne sichtbares Koloniewachstum (nach entsprechender Inkubation) auf eine Reduktion des Keimgehalts um 5 Log-Stufen geschlossen. Wurde auf den Platten eine Größenordnung von etwa 10^4 Kolonien (bzw. etwa 10^3 Kolonien) gezählt, wurde eine Reduktion des Keimgehalts um 4 Log-Stufen (bzw. um 2 Log-Stufen) angenommen. Waren von Bakterien völlig überwachsene Agarplatten festzustellen, wurde unter den gegebenen Testbedingungen die betreffende Testsubstanz als ohne Hemmwirkung gegen Salmonellen beurteilt.

Unter den gegebenen Versuchsbedingungen wurde also aus Agarplatten mit geringen Koloniezahlen auf eine relativ stärkere Hemmwirkung der jeweils getesteten Substanz gegenüber Salmonellen geschlossen. Agarplatten ohne sichtbares Koloniewachstum ließen daher die relativ stärkste Reduktion des Salmonellengehalts in der betreffenden Variante im Zusammenhang mit der dabei getesteten Substanz annehmen. Diese Hemmwirkung wurde aber nur im Zusammenhang mit einer Konzentration von zumindest 5 % bzw. der 10 % einer Testvariante erreicht. Die minimale Hemmkonzentration entsprach in dieser Versuchsanordnung daher einer Konzentration von 5 % bzw. der 10 % der betreffenden Testsubstanz.

2. Agardiffusionstest nach VDLUFA-Methode

Das Nachweisverfahren beruht auf der Wachstumshemmung sensitiver bakterieller Testkeime gegenüber einer Testlösung oder einem Extrakt bzw. einer Suspension von Testsubstanzen. Möglicherweise in dieser Probe enthaltene antibakteriell wirksame Substanzen hemmen das Wachstum der Prüfstämme während der Bebrütung, sodass wachstumsfreie Hemmhöfe auf den sonst dicht bewachsenen Platten auftreten. Als Referenzsubstanzen im Untersuchungsgang dienen Antibiotika bekannter Aktivität.

In Anlehnung an den Hemmstofftest nach VDLUFA-Methode wurden im Agardiffusionstest GANS-Wasser und GANS-Flocken auf ihre hemmende Wirkung gegenüber den definierten Testkeimen untersucht.

2.1. Versuchsaufbau und Methode

2.1.1. Testkeime, Lochplatten

Zum Test wurden vier verschiedene Prüfstämme (*Kocuria rhizophila*, *Micrococcus luteus*, *Bacillus megaterium* und *Bacillus subtilis* subsp. *spizizenii*) in das jeweilige autoklavierte, auf ca. 50 °C abgekühlte Nährmedium eingemischt. Die zugegebene Menge an Impfsuspension wurde dabei so gewählt, dass eine ungefähre Keimdichte von 10^6 KBE/ml Agar erreicht wurde. Jeweils ca. 40 ml der fertigen, beimpften Nährmedien wurden in Petrischalen gegossen. In den erstarrten Nährboden wurden Löcher (\varnothing 10 mm) gestanzt. Jede Probe wurde mit Platten von allen 4 Testkeimen geprüft. Als Positivkontrolle wurden Antibiotikaplättchen auf den beimpften Agar gelegt, um die Sensitivität der Testplattencharge zu kontrollieren.

2.1.2. Testsubstanzen / Proben

Aus dem flüssigen Überstand aus drei Probeflaschen wurden die flüssigen Testsubstanzen („CO₂-GANS-Lösung“, „CuO-GANS-Lösung“ und eine 1:1 Mischung dieser beiden Lösungen) pipettiert. Aus dem ausgeflockten Bodensatz derselben Flaschen wurden drei weitere Testsubstanzen gewonnen („CO₂-GANS-Flocken“, „CuO-GANS-Flocken“ und eine 1:1 Mischung dieser beiden Produkte, tatsächlich in allen drei Fällen eine Suspension aus Flocken und Lösung). Diese 6 Produkte („GANS“ Lösungen bzw. Flocken) wurden unverdünnt als Reinsubstanzen – so wie vom Auftraggeber zur Verfügung gestellt – getestet.

2.1.3. Durchführung

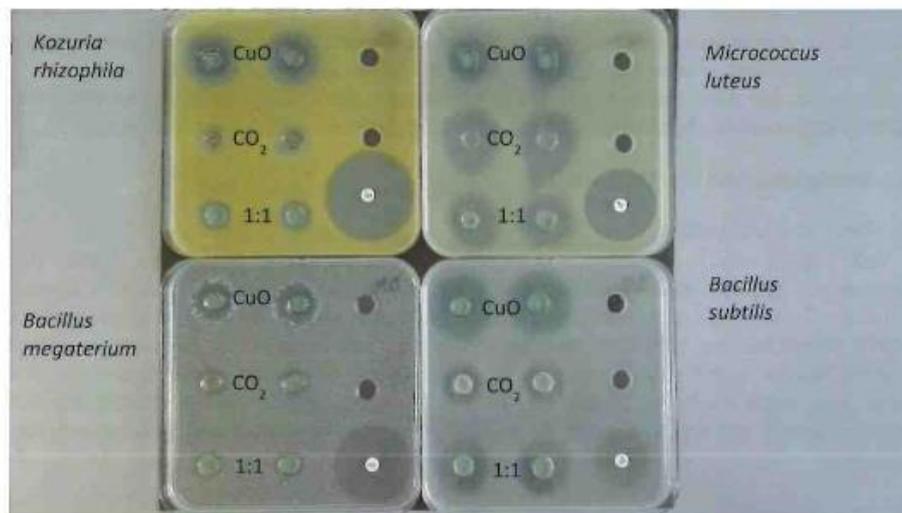
Alle 6 Proben („GANS“-Lösungen bzw. „GANS“-Flocken) wurden unverdünnt als Reinsubstanzen getestet. Dazu wurden 200 µl der Probelösungen bzw. Probesuspensionen in jeweils zwei der in die Agarplatten gestanzten Löcher einpipettiert (Agarplatten zuvor beimpft mit den Testkeimen *Kozuria rhizophila*, *Bacillus megaterium*, *Micrococcus luteus* und *Bacillus subtilis*). Die Testplatten wurden über Nacht bebrütet. Danach wurden die entstanden (von Bakterienwachstum freien) Hemmzonen mittels Schiebelehre ausgemessen und ihr Radius in Millimeter angegeben. Proben, die keine Hemmzonen aufwiesen, werden als negativ bewertet, die Ergebnisangabe lautet „negativ“.

Als Referenzsubstanzen zur Qualitätskontrolle der Testplattencharge dienten Antibiotika bekannter Aktivität, jeweils in Kombination mit einem bestimmten Testkeim: *K. rhizophila* (Plättchen mit 10 µg Amoxicillin), *M. luteus* (Plättchen mit 10 IE Bacitracin), *B. megaterium* (Plättchen mit 10 µg Tetracyclin) bzw. *B. subtilis* (Plättchen mit 23,75/1,25 µg Sulfamethoxazol/Trimethoprim).

2.2. Ergebnisse

Nach der Inkubation der beimpften Keimplatten waren bei keiner „GANS“-Lösung („CO₂-GANS-Lösung“, „CuO-GANS-Lösung“ und 1:1 Mischung dieser beiden Lösungen), d.h. bei keinem Testkeim, Hemmzonen festzustellen.

Abbildung 1: Durch „GANS“-Flocken entstandene Hemmzonen (vier Testplatten beimpft mit den Testkeimen *Kozuria rhizophila*, *Bacillus megaterium*, *Micrococcus luteus* und *Bacillus subtilis*)



„GANS“-Flocken („CO₂-GANS-Flocken“, „CuO-GANS-Flocken“ und eine 1:1 Mischung dieser beiden Produkte, tatsächlich in allen drei Fällen eine Suspension aus Flocken und Lösung) zeigten dagegen auf allen Platten Hemmzonen (verg. Abbildung 1).

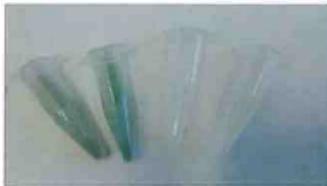
Der Einsatz der CuO Flocken-Suspension führte bei allen vier Testkeimen zu ausgeprägten Hemmzonen, der größte Radius (10 mm) war bei *Bacillus subtilis* festzustellen. Für die CO₂ Flocken-Suspension sowie für die Mischung der Flocken-Suspensionen wurden bei zwei Testkeimen (*Kozuria rhizophila*, *Bacillus megaterium*) geringe Radien (1 bis maximal 2 mm) gemessen. Bei *Micrococcus luteus* wurde der größte Wert für die CO₂ Flocken-Suspension ermittelt (5,5 mm) und bei *Bacillus subtilis* wurde der größte Durchmesser für das Mischpräparat (7,5 mm) festgestellt (vergl. Tabelle 2).

Tabelle 2: Hemmzonen im Agardiffusionstest, Radius in mm

CuO Flocken		CO ₂ Flocken		1:1 Mischung	
Testkeim	Hemmzone, Radius (mm)	Testkeim	Hemmzone, Radius (mm)	Testkeim	Hemmzone, Radius (mm)
<i>K. rhizophila</i>	5,5	<i>K. rhizophila</i>	1	<i>K. rhizophila</i>	1,5
<i>B. megaterium</i>	4,5	<i>B. megaterium</i>	2	<i>B. megaterium</i>	1
<i>B. subtilis</i>	10	<i>B. subtilis</i>	3,5	<i>B. subtilis</i>	7,5
<i>M. luteus</i>	5	<i>M. luteus</i>	5,5	<i>M. luteus</i>	4,5

Abbildung 2 zeigt vier Vials, welche aus dem jeweiligen Originalgebilde aufgesaugte Flocken enthalten. Flocken aus dem Gebilde „CuO-GANS“ weisen eine – wie oft für Kupfer typisch – blaue Färbung auf. Ob und in welchem Ausmaß das Produkt aber tatsächlich Kupfer oder eine Kupferverbindung wie etwa Kupferoxid enthält, wurde im Zuge der Untersuchung nicht geklärt.

Abbildung 2: Vials in der Abbildung links „CuO-GANS“ Flocken, rechts „CO₂ GANS“ Flocken



2.3. Interpretation/Zusammenfassung Agardiffusionstest

Alle 6 Proben („GANS“-Lösungen bzw. „GANS“-Flocken) wurden unverdünnt als Reinsubstanzen getestet. Während bei keiner „GANS“-Lösung Hemmzonen festzustellen waren, führte der Einsatz der „GANS“-Flocken-Suspension bei allen vier Testkeimen zu ausgeprägten Hemmzonen. Die maximale Hemmzonengröße wurde für die getesteten „GANS“-Flocken bei jeweils unterschiedlichen Testkeimen ermittelt. Für „CuO-GANS-Flocken“ wurde bei Testkeim *Bacillus subtilis* und für „CO₂-GANS-Flocken“ bei Testkeim *Micrococcus luteus* der größte Durchmesser festgestellt.

Prüfleiter:



Dr. Andreas Adler





تشخیص مطمئن
حاصه دامپزشکی پیشرو

تاریخ : 99/01/28
شماره : 443
پیوست : ندارد

آزمایشگاه دامپزشکی صدرا

بسمه تعالی

خلاصه نتایج بقای ویروس خانواده پارامیکسوویریده که دارای غشای لیپوپروتئینی است در مواجهه با ضد عفونی با نام تجاری پلاسما به شرح زیر است:

نمونه ارجاعی :

محلول ضد عفونی با نام تجاری پلاسما

درخواست کننده :

سپاه تانستان

روش آزمایش :

تعیین میزان کاهش ویروس با استفاده از تلفیح در تخم مرغ جنین دار و تخمین تعداد ویروس با استفاده از تکنیک Real – time PCR HRM

مواجهه ده به توان پنج ویروس ND با ضد عفونی پلاسما به مدت 30 ثانیه :

33.3 درصد نابودی کامل ویروس و 66.6 درصد کاهش ویروس به پنج هزارم

مواجهه ده به توان پنج ویروس ND با ضد عفونی پلاسما به مدت 60 ثانیه :

50 درصد نابودی کامل ویروس و 50 درصد کاهش ویروس به یک دوازده هزار و پانصد

کنترل مثبت :

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کنترل منفی :

فقد ویروس

نتیجه کلی : ماده مورد آزمایش موجب غیر فعال شدن ویروس پوششی دار ND شده است.



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**Cup of Life GANS subjected to structural analysis and nanoimaging
by using FESEM (Field Emission Scanning Electron Microscopy)
in the laboratory of Razi Metallurgy Research Center***

*laboratory with several international certificates and accredited by
Iranian National Standards Organization.

March 7th, 2020

DEFINITIONS

NANOMATERIALS

به چه موادی نانومواد می گویند؟

Nanomaterials are generally assumed to have three dimensions (i.e. length, width, and height). If at least one of these dimensions is within the range of 1-100 nm in size, the materials is called a nanostructure. These materials show a new property when one of their dimensions becomes smaller in size; however, the property is invisible in bulk scale. A material is thus called a nanomaterial when a new characteristic appears with decrease in its particle size.

به طور کلی مواد دارای سه بعد طول، عرض و ارتفاع هستند. اگر حداقل یکی از این ابعاد در مقیاس ۱-۱۰۰ نانومتر باشد، به آن ماده نانوساختار گفته می شود. این مواد با کوچک شدن یکی از ابعادشان، خاصیت جدیدی از خود نشان می دهند. خاصیتی که در مقیاس بزرگ تر یا بالک، اثری از آن مشاهده نمی شود. پس هرگاه با کاهش اندازه ذره، خاصیتی جدید در آن مشاهده شد، آن را جزء نانو مواد به حساب می آوریم.

The difference between energy levels alter with varied sizes of nanoparticles. The smaller the nanoparticles, the higher the distance between energy levels and vice versa. This makes it possible to adjust the distance between energy levels by changing nanoparticle sizes in order to absorb specific waves with given frequencies.

با تغییر اندازه نانوذرات فاصله ترازهای انرژی در آنها تغییر می کند. هر چه اندازه نانوذرات کوچک تر شود، فاصله بین ترازهای انرژی بیشتر می شود و هر چه اندازه بزرگ تر باشد، فاصله بین ترازهای انرژی کمتر می شود. این نکته باعث می شود که بتوان با تغییر اندازه نانوذرات، فاصله بین ترازهای انرژی آنها را طوری تنظیم کرد که امواج خاصی را جذب یا فرکانس مشخص کنند.

Energy structures (level or band) of materials exists along each dimension (i.e. length, width, or height). In other words, every three-dimensional object possesses three separate energy structures along its three dimensions, sum of which defines total energy structure of the material. Nano-scale dimensions of nanostructured materials have quantum confinement, such as thin layers with discrete energy levels in one dimension. Quantum confinement occurs when energy levels are discrete due to limitation in nanoscale dimensions. The higher is the confinement (dimensions are smaller), the more the distance between energy levels. Therefore, one of the main differences among various nanostructured material is in the number of continuous and discrete energy levels in three dimensions resulting extensive alterations in their characteristics.

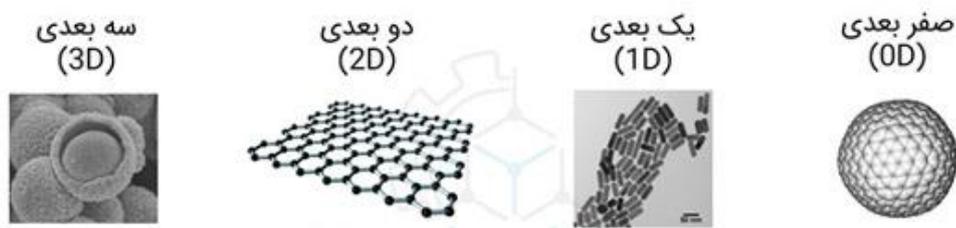
ساختارهای انرژی (تراز یا نوار) مواد در راستای هر کدام از ابعاد طول، عرض و ارتفاع وجود دارد. به عبارت دیگر هر جسم سه بعدی دارای سه ساختار انرژی مجزا در راستای سه بعد خود است که برآیند آنها ساختار انرژی کل ماده را بیان می کند. ابعادی از مواد نانو ساختار که در مقیاس نانو هستند، اصطلاحاً محدودیت کوانتومی (Quantum Confinement) دارند. برای مثال لایه های نازک که در یک بعد دارای ترازهای انرژی گسسته هستند. محدودیت کوانتومی به این معنی است که به دلیل محدودیت ابعاد در مقیاس نانو، نوارهای انرژی به صورت گسسته در می آید و هر چه محدودیت بیشتر باشد (ابعاد کوچکتر باشد)، فاصله ترازهای انرژی از هم بیشتر می شود. بنابراین یکی از تفاوت های اصلی انواع مختلف مواد نانو ساختار در تعداد نوارهای انرژی پیوسته و ترازهای انرژی گسسته در سه بعد است که منجر به تغییرات زیادی در خواص آنها می شود.

Classification of nanomaterials:

طبقه بندی نانومواد:

Nanomaterials can be classified based upon different criteria; however, the most important classification of these materials is based on the number of their free dimensions. The following figure depicts the classification of nanomaterials according to dimension.

نانومواد را با معیارهای مختلفی می توان طبقه بندی کرد؛ اما مهم ترین طبقه بندی این مواد بر اساس تعداد ابعاد آزاد آن است. شکل زیر طبقه بندی نانومواد بر اساس بعد را نشان می دهد.



Zero-dimensional nanomaterials:

نانومواد صفر بعدی

Nanomaterials with nano sizes in all three dimensions and have no free dimensions are called zero-dimensional nanomaterials. They are predominantly called nanoparticles in literature. Depending on their applications, nanoparticles may be formed in variety of shapes such as spherical, oval, cubic, prism, columnar, etc. Zero-dimensional nanoparticles can be formed from a single component or a combination of components. The factors influencing on these nanoparticles are the particle size and type.

نانومواد صفر بعدی که در هر سه بعد دارای اندازه نانومتری می باشند و هیچ بعد آزادی ندارند، را نانو مواد صفر بعدی می نامند. در اکثر مقالات علمی به این مواد نانوذره (Nano Particle) گفته می شود. نانوذرات بسته به کاربردهای مختلف در اشکال مختلفی مانند کروی، بیضوی، مکعبی، منشوری، ستونی و ... ساخته می شوند. نانو مواد صفر بعدی می توانند از یک جزء تشکیل شده باشند یا ترکیبی از چند جزء باشند. عوامل تأثیرگذار بر خواص این نانوذرات، اندازه و جنس ذرات هستند.

One-dimensional nanomaterials:

نانومواد یک بعدی

Nanowires, nanorods, nanotubes, and nanofibers are all considered one-dimensional nanomaterials. The main influencing factor in these nanomaterials is the ratio of length to diameter (L/d). this ratio plays an important role in majority of the applications of these nanomaterials. In addition, electrical conductivity of these nanomaterials is along their wire axis.

نانوسیم ها، نانومینه ها، نانولوله ها و نانوانیاف همگی جزء نانومواد یک بعدی هستند. عامل تأثیرگذار اصلی در نانو مواد یک بعدی، نسبت طول به قطر (L/d) است. این نسبت در اکثر کاربردهای این مواد نقش مهمی ایفا می کند. به علاوه هدایت الکتریکی آن ها در راستای محور سیم است.

Two-dimensional nanomaterials:

نانومواد دو بعدی

These nanomaterials usually consist of thin layers or surface coatings. Nanocoatings are layers that are 1-100 nm in size and are placed on other materials as coating agents changing their characteristics.

این نانومواد معمولاً شامل لایه های نازک یا پوشش های سطحی می شوند. نانو پوشش ها لایه هایی با ضخامت ۱ تا ۱۰۰ نانومتر هستند که به صورت پوشش روی مواد دیگر قرار می گیرند و باعث تغییر خواص و ویژگی های آنها می شوند.

Three-dimensional nanomaterials:

نانومواد سه بعدی

These nanomaterials have no nanoscale dimensions but consist of nanostructured particles. Nanocomposites, nanostructured bulk materials, core-shell nanostructures, and multilayer structures are examples of three-dimensional nanomaterials. The size of components of these nanomaterials is below 100 nm at least in one dimension.

این گونه از نانومواد در هیچ یک از سه بعد خود دارای ابعاد نانومتری نیستند، اما متشکل از ذراتی نانوساختارند. مثلاً نانوکامپوزیت ها، مواد حجیم نانوساختار (یا مواد توده‌ای نانوساختار)، نانوساختارهای هسته-پوسته یا ساختارهای چندلایه در این گروه از نانو مواد دسته بندی می شوند. که اندازه واحدهای سازنده مجزای آنها حداقل در یک بعد کمتر از 100 نانومتر باشد.

Characteristics of nanomaterials:

خواص نانومواد :

Nanomaterials can show specific characteristics such as catalytic, antibacterial, optical, and magnetic characteristics. Some nanomaterials, e.g. silver and gold, possess antimicrobial or antibacterial properties, which means microbes cannot growth on them. On the other hand, one of the interesting and effective alterations in characteristics in nano scale is that many materials with no magnetic properties in regular sizes can have these properties in nano sizes. Catalytic nanomaterial is the one that changes chemical reaction tone (increasing or decreasing) but does not engage in the chemical reaction itself.

نانومواد می توانند خواص ویژه ای از خود نشان دهند از جمله خواص کاتالیزبی، آنتی باکتریال، نوری، و مغناطیسی.

برخی از نانوذرات مانند نقره و طلا دارای خواص ضد میکروب یا آنتی باکتریال هستند بدین معنی که میکروب‌ها نمی‌توانند روی آنها رشد کنند. از سوی دیگر یکی از تغییر خواص جالب و بسیار کاربردی که در ابعاد نانو ایجاد می‌شود، این است که بسیاری از موادی که در ابعاد معمولی خواص مغناطیسی ندارند، در ابعاد نانو می‌توانند خواص مغناطیسی داشته باشند. خاصیت کاتالیزگری نیز به خاصیتی گفته می‌شود که ماده باعث تغییر آهنگ واکنش شیمیایی (افزایش و یا کاهش) می‌شود اما خود در واکنش شیمیایی شرکت نمی‌کند.

GANS

نانو گانس

Mehran Tavakoli Keshe, through the research and development conducted within **Keshe Foundation Spaceship Institute**, created state-of-the-art nanoscale media for the first time in the world without complicated tools and devices. The media can crystallize dioxide carbon in nanoscale, which is called GANS (Gas in Nano State Solid). Therefore, the institute can produce different GANSes for different applications.

بنیاد کسه برای اولین بار در جهان توانسته با دانشی منحصر به فرد، بدون نیاز به دستگاه ها و ابزارهای پیچیده، مدیایی در مقیاس نانو ایجاد کرده و همچنین گاز دی اکسید کربن را در مقیاس نانو متبلور نماید که آن را گانس (GANS=GAS IN NANO STATE SOLID) می نامیم و بدین ترتیب گانس های مختلفی را برای کاربردهای مختلف تولید نماید.

Virus destruction GANS (Cup of Life GANS) was subjected to structural analysis and nanoimaging by using **FESEM** (Field Emission Scanning Electron Microscopy) on **March 7th 2020** in **the laboratory of Razi Metallurgy Research Center** (with several international certificates and accredited by Iranian National Standards Organization).

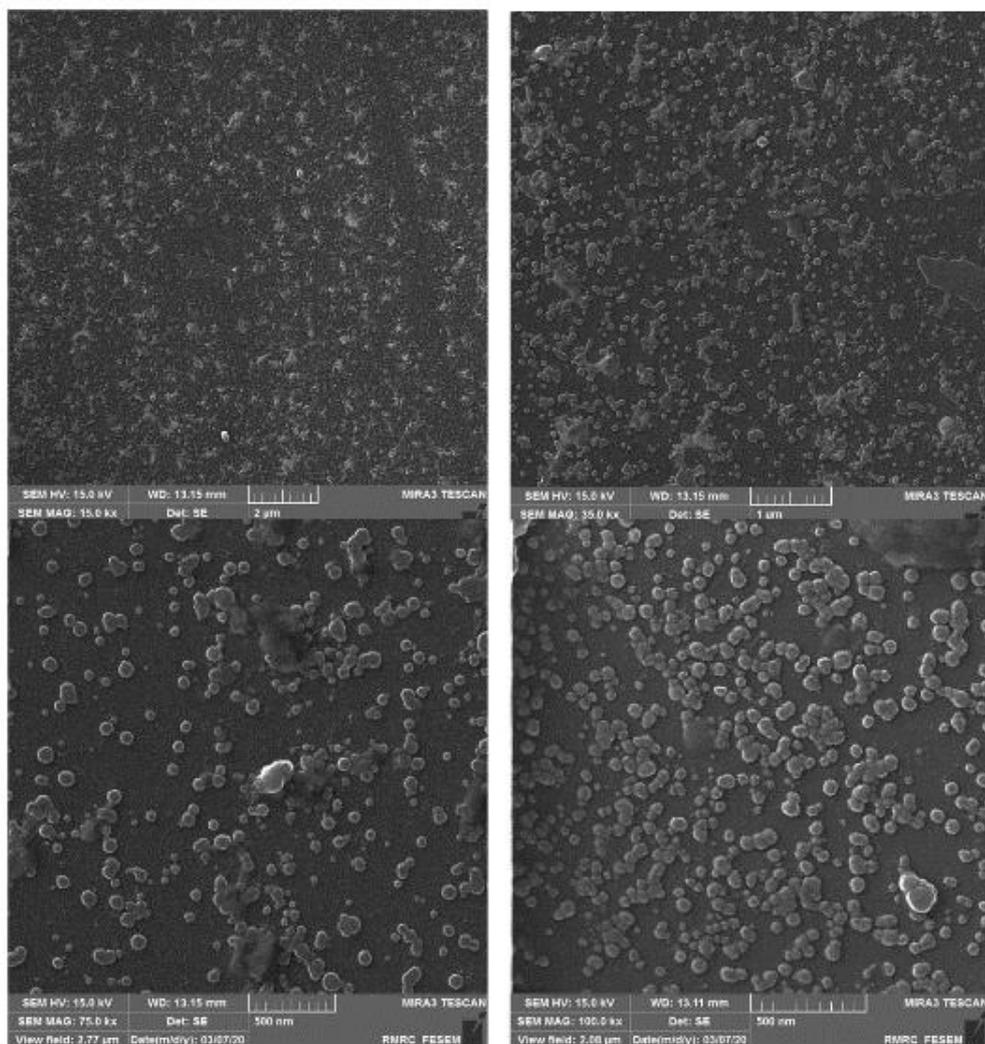
گانس مربوط به از بین بردن ویروس (Cup of Life GANS) در روز شنبه مورخ ۱۳۹۸/۱۲/۱۷ در آزمایشگاه مرکز پژوهش متالورژی رازی (آزمایشگاه تایید صلاحیت شده نمونه سازمان ملی استاندارد ایران، و دارای چندین گواهینامه بین المللی) توسط دستگاه FESEM (Field emission scanning electron microscopy) قرار گرفت.

Two different structures were recognized in the experimented GANS. The first structure consisted of nanospheres that are placed side-by-side as zero-dimensional nanomaterials in nanomeric and nonacclasteric forms and mainly made from carbon. The second structure, however, were crystal-like nanostructures mostly comprised of Copper and Zinc.

در GANS مورد آزمایش دو ساختار متفاوت شناسایی شد. ساختار اول نانوسفیر است که به صورت نانوماده صفر بعدی به حالت نانومری و نانوکلاستری در کنار هم قرار گرفته اند و عمدتاً از کربن تشکیل شده اند و ساختار دوم به صورت نانوساختارهای کریستالی مانند مس و روی تشکیل یافته اند.

The illustrative depiction of this experiment is given below:

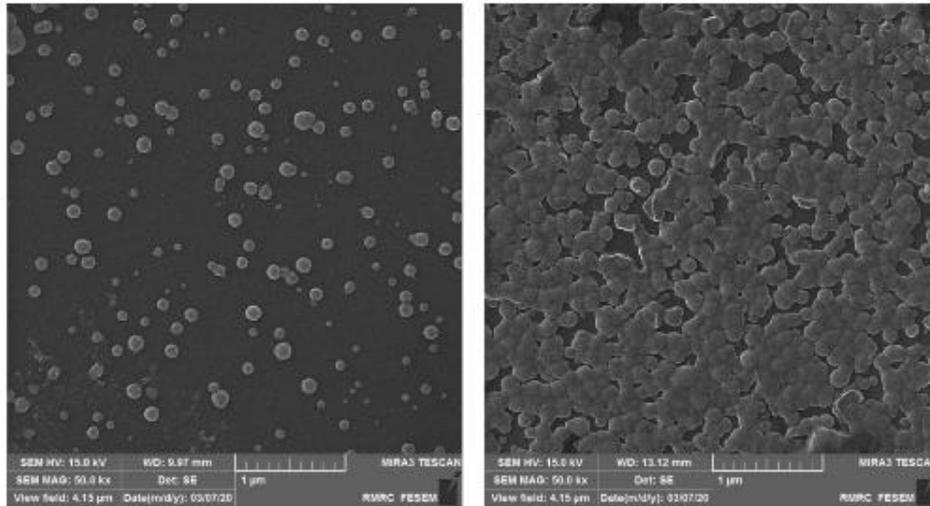
گزارش تصویری این آزمایش به شرح زیر است:



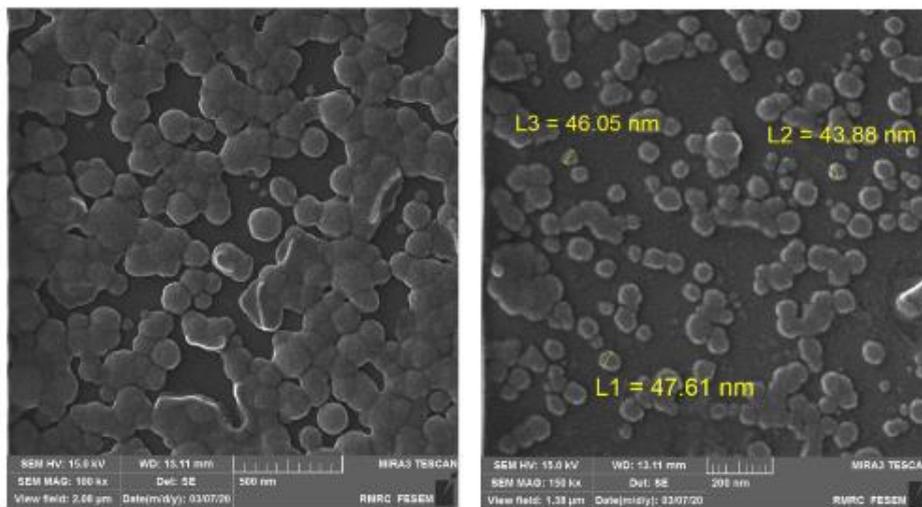
The first structure

تصویر گروه اول از ذرات

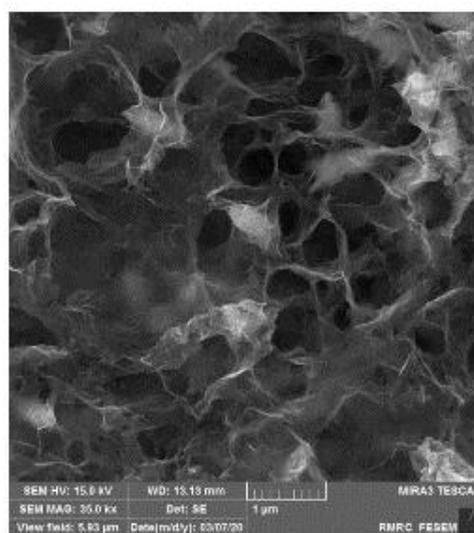
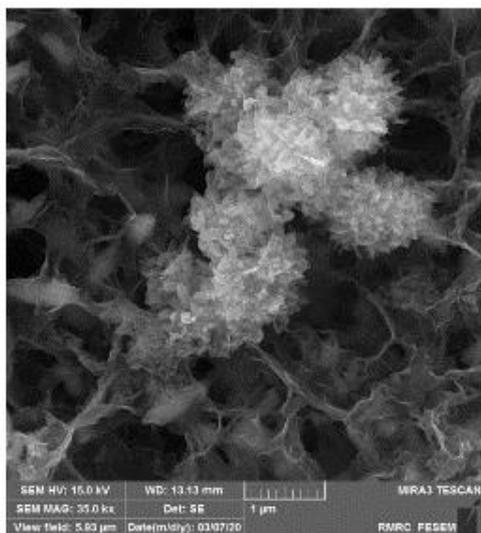
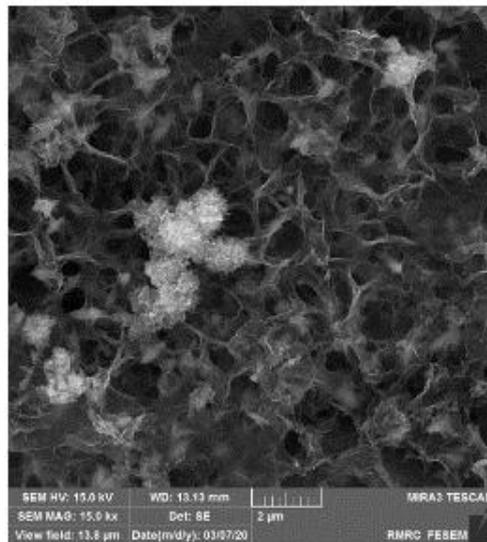
Figure 8 of 16



Nanospheres, in nanomeric and nonagglomerative forms
 نانوذرات کروی شکل که به صورت نانومری و نانوکلاستری وجود دارند



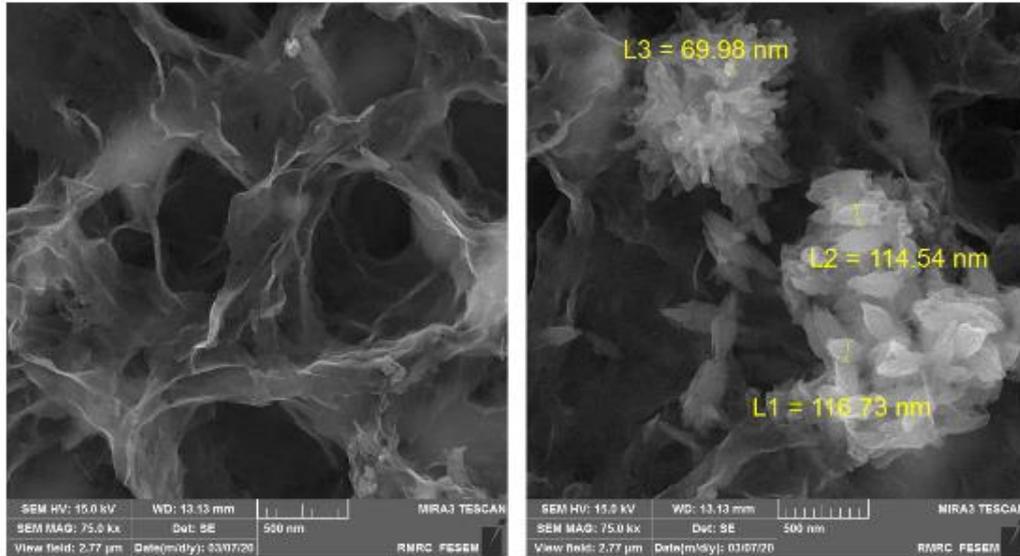
Nanospheres, with greater magnifications: Notice the particles' size
 بزرگنمایی بیشتر از نانوذرات کروی شکل: به سائز ذرات دقت کنید



The Second structure

تصویر گروه دوم ذرات

Page 8 of 38



The Second Structure, with grater magnifications: Notice the particles' size
 بزرگنمایی بیشتر از نانوذرات گروه دوم: به سائز ذرات دقت کنید

DOCUMENTS

مدارک

۱ از ۱	شماره صفحه	برگه خدمات پژوهشی-آزمایشگاهی	مرکز پژوهش متالورژی رازی (سهامی خاص)	
۱	تجدید نظر		RMRC-WI-۵۰۴-۱۰۱-۰۷-F۱۳	شماره برگه
<p>لرزیخ و ساعت صدور رسید: ۱۳۹۸/۱۲/۱۴ ۱۴:۰۰</p> <p>نام شرکت جهت صدور فاکتور: دانشگاه علوم پزشکی قزوین کد اقتصادی: - شناسه ملی: ۱۴۰۰۳۳۱۰۹۱ کد ملی: - شماره پیگیری: ۳۳۸۱۸ مسئول اجرایی: خانم مهندس پلاستید-میکروسکوپ الکترونی مسئول پذیرش: علیرزاده-مرکز تاریخ پذیرش: ۱۳۹۸/۱۲/۱۴ نام مراجعه کننده: خانم رشوند شماره نامه: - تاریخ نامه: ۱۳۹۸/۱۲/۱۴ تاریخ تحویل: ۱۳۹۸/۱۲/۱۷ محل ارسال نمونه: دفتر مرکزی نحوه ارسال نمونه: حضوری نحوه ارسال گزارش: حضوری</p> <p>نام شرکت جهت صدور گزارش: دانشگاه علوم پزشکی قزوین توضیحات:</p>				
گزارش فارسی دارد				
نظرات کارشناس آزمایشگاه:				
		امضاء:	نام و نام خانوادگی کارشناس آزمایشگاه:	
		امضاء:	نام و نام خانوادگی سرپرست پذیرش:	

شماره نوع: ۱
 نوع نمونه:



نام قطعه: نمونه نانو داروی ویروس کرونا بنیاد کنه
 نام انگلیسی قطعه:

ردیف	نام آزمون پژوهشی	استاندارد	تعداد	محل انجام	قیمت واحد (ریال)
۱	۴۰ دقیقه (آزمون پژوهشی میکروسکوپ الکترونی گسیل میدانی)	•	۱	آزمایشگاه های مرکز	۲,۰۰۰,۰۰۰
۲	پوشش دهی با پلاتین	•	۱	آزمایشگاه های مرکز	۳۰۰,۰۰۰
جمع مبلغ نمونه شماره: ۱					۲,۳۰۰,۰۰۰

در صورت عدم پرداخت هزینه آزمون های پژوهشی، نمونه های ارسالی حداکثر به مدت ۴ ماه قابل نگهداری خواهند بود. (در غیر این صورت این مرکز هیچگونه مسئولیتی بر عهده نخواهد داشت.)
 • استاندارد انجام آزمون پژوهشی بر اساس درخواست مشتری و مطابق با نامه مشتری می باشد. در صورت عدم ارایه استاندارد انجام آزمون پژوهشی توسط مشتری، استاندارد مناسب توسط آزمایشگاه انتخاب و مبنای کار قرار خواهد گرفت.
 باقی مانده نمونه ها حداکثر تا یک ماه پس از انجام آزمایش در این مرکز نگهداری خواهند شد.

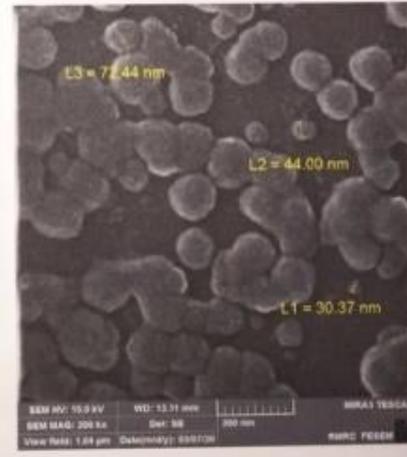
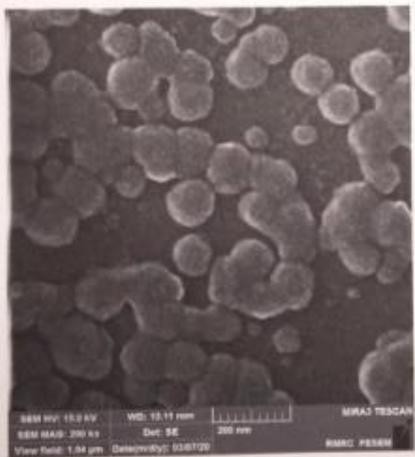
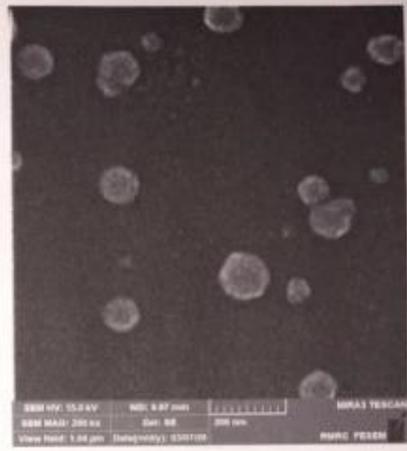
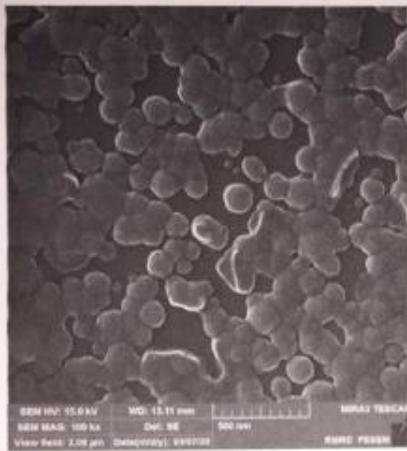
قابل توجه: نمونه های ارسالی جهت انجام آزمون تخریب خواهد شد

مبلغ پیش بینی شده:	۲,۳۰۰,۰۰۰ ریال
امضای مسئول پذیرش:	امضای مشتری:



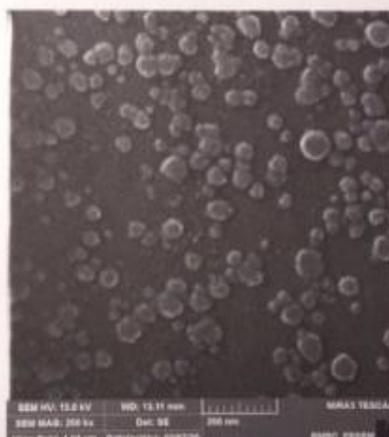
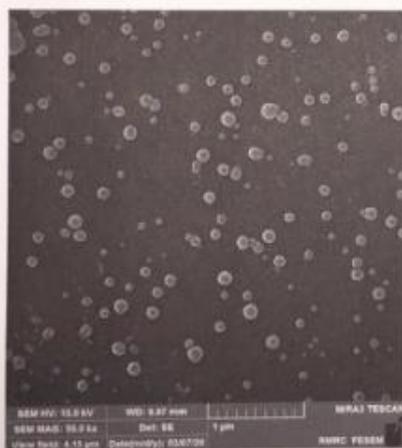
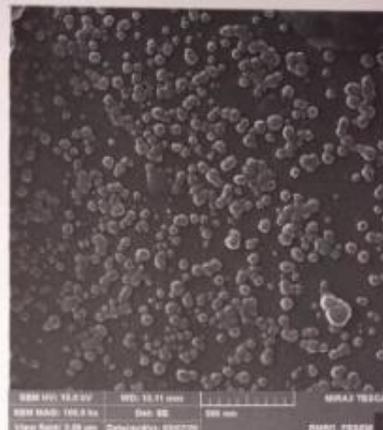
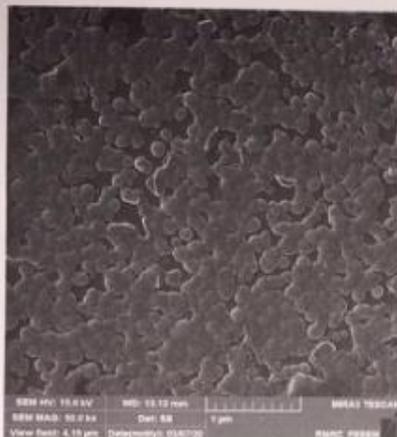
RMRC

Order No: 33818-1



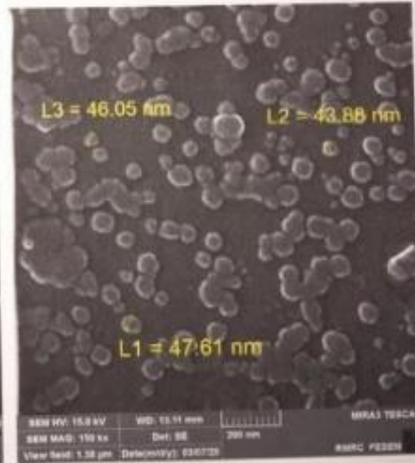
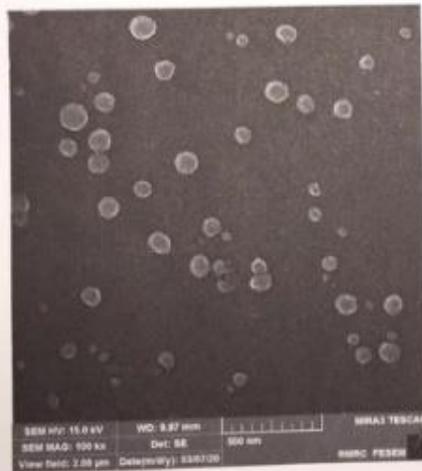
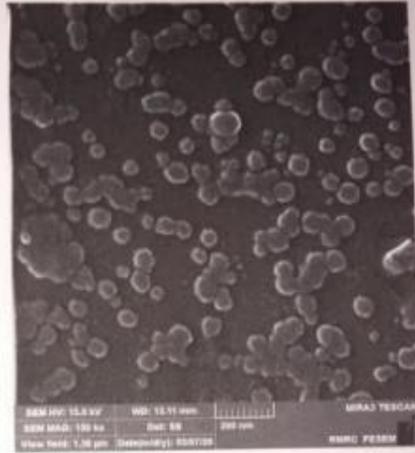
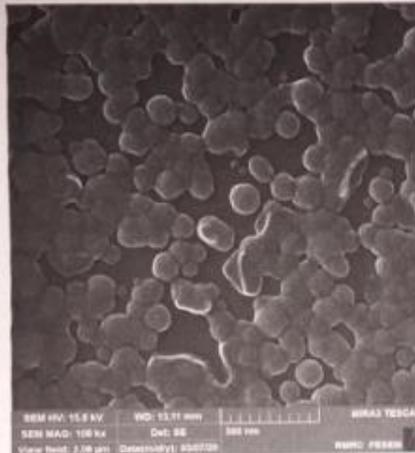
RMRC

Order No: 33818-1



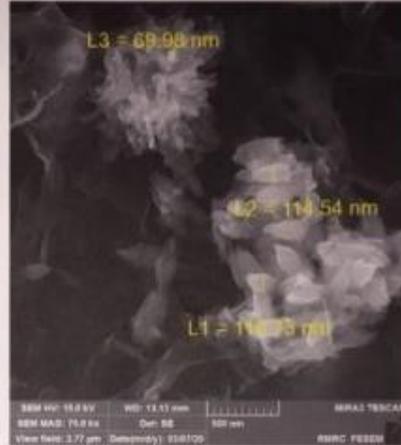
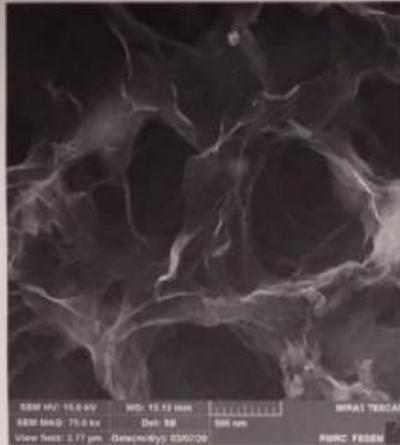
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Order No: 33818-1



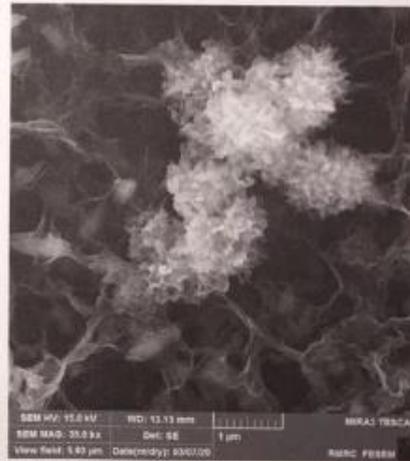
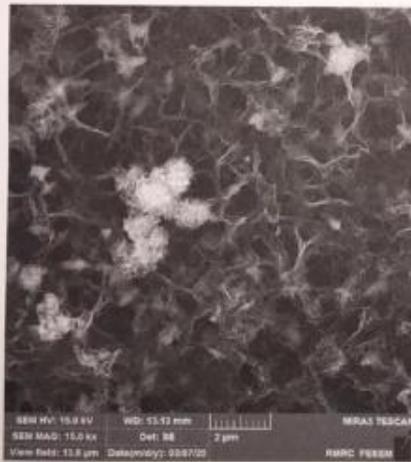
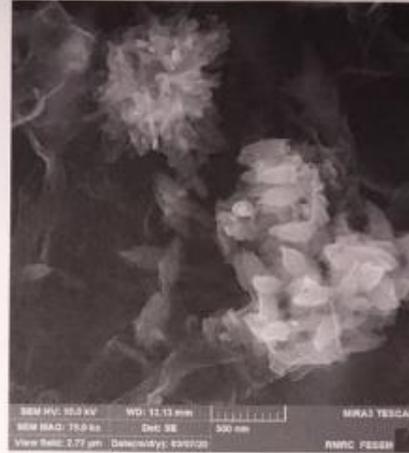
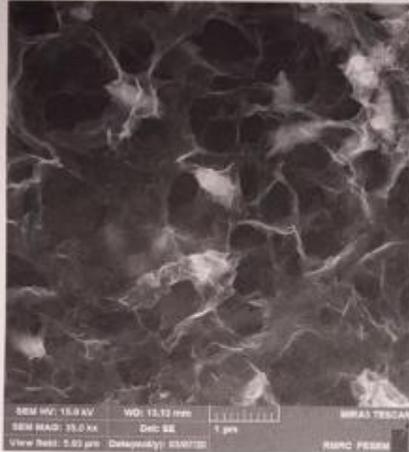
RMRC

Order No: 33818-1



RMRC

Order No: 33818-1



青岛尚医制药有限公司
Qingdao Shangyi Pharmaceutical Co.,
Ltd.
Contacts: Liguangwei
Telephone: 18660268718
Address: Jiangjiatuzhai Community,
Wanggezhuang Street, Laoshan
District, Qingdao City, China

凯史基金会奥地利制造有限公司：
To Keshe Foundation Austria Manufacturing GmbH:

贵公司委托我司加工生产的两批等离子运动饮料 I 型，生产批号分别为 2019 年 9 月 1 日和 2019 年 9 月 20 日，经第三方检测机构，西安国联质量检测技术股份有限公司检测，菌落总数和大肠菌群数合格，这两批产品的质量符合出厂标准，可以上市销售。

Your company commissioned our company to process and produce two batches of plasma sports beverage type I, the production batch numbers are September 1, 2019 and September 20, 2019, respectively, by the third party testing organization, Xi'an GuoLian Quality Testing Technology Co., Ltd., the total bacterial count and number of coliform group bacteria are qualified, the quality of these two batches of products meet the factory standards and can be marketed.

特此证明！
We hereby certify!

签字 (signature) :

盖章 (seal)

日期 (Date) : 2019 年 12 月 25 日



	国联质检 UNITED NATION QUALITY DETECTION	
		152717110306-1 有效期至2021年10月27日
<h1>检测报告</h1> <h2>TEST REPORT</h2>		
<h3>No AFF191202823</h3>		
		
产品名称: Sample Name	等离子电解质能量饮料 <u>Plasma Electrolyte energy drink</u>	
委托单位: Application Name	凯史基金会制造奥地利有限公司 <u>Keshe Foundation Manufacturing Austria GmbH</u>	
检测类别: Inspection Category	委托检测 <u>Entrustment Inspection</u>	
		
西安国联质量检测技术股份有限公司 Xi'an United Nations Quality Detection Technology CO.,Ltd.		
UNITED NATION QUALITY DETECTION		UNQD  400-808-2011 www.xaunqd.com



国联质检
UNITED NATION QUALITY DETECTION

西安国联质量检测技术股份有限公司

Xi'an United Nations Quality Detection Technology CO.,Ltd.

检测报告

TEST REPORT

№ AFF191202823

共3页 第1页 Page 1 of 3

产品名称 Name of sample	等离子电解质能量饮料 Plasma Electrolyte energy drink	商 标 Trade mark	标称“KFSS1” Nominal 'KFSS1'
规格型号 Specification	120ml/瓶 120 ml bottle	生产日期 / 批号 Production date / Batch	2019年09月01日 Sep. 1, 2019
检测类别 Inspection sort	委托检测 Entrustment Inspection	到样日期 Date received	2019年12月23日 Dec. 23, 2019
检测地点 Test site	陕西省西咸新区沣东新城协创创新港 8号楼Building No.8, Synergetic Innovation Hub, Fengdong New City of Xixian New Area, Shaanxi Province	检测日期 Date of inspecting	2019年12月23日~ 2020年01月17日 Dec. 23, 2019 ~ Jan.17, 2020
委托单位 Inspection requestor	凯史基金会制造奥地利有限公司 Keshe Foundation Manufacturing Austria GmbH	样品数量 Sample quantity	5瓶 5 Bottles
制造单位 Manufacturer	标称“青岛尚医制药有限公司” Nominal 'Qingdao Shangyi Pharmaceutical Co., Ltd.'	样品基数 Lot size	/
委托方地址 To the address	奥贝库尔姆3/3, 4203阿尔滕贝格, 林 茨 Oberkulm 3/3, 4203 Altenberg bei Linz	样品状态 Sample condition	液体, 样品完好, 符合检测 要求Liquid, sample in good condition, meet the test requirements
抽样地点 Sampling site	/	委托方代表 Principal representative	王琳 WangLin
检测项目 Items of inspection	菌落总数 等 10 项 Colonies number 10 items Etc.		
检测依据或综合 判断原则 Inspection/Judge- ment regulations	GB 7101-2015《食品安全国家标准 饮料》 GB 7101-2015 National standard beverage for food safety GB 2762-2017《食品安全国家标准 食品中污染物限量》 GB 2762-2017 Food safety national standard food pollutant limit		
检测结果 (Result)			
具体结果见下页。See the results on the next page.			
			
备 注 Remarks	委托方送样, 检测结果仅对来样负责。 The consignors shall send samples, and the test results shall be solely responsible for the samples.		

主检
Main test

王琳

审核
Audit

景晶

批准
Approved

王琳

UNITED NATION QUALITY DETECTION

UNQD 400-808-2011
www.xaunqd.com



国联质检
UNITED NATION QUALITY DETECTION

西安国联质量检测技术股份有限公司

Xi'an United Nations Quality Detection Technology CO.,Ltd.

检测报告

TEST REPORT

№ AFF191202823

共3页 第2页 Page 2 of 3

序号 No.	检测项目 Test items	单位 Units	技术指标 Technical indicators	检测结果 Test results	单项评定 Individual assessments	方法标准 Methods standard
1	菌落总数 Colonies number	CFU/ml	n=5 c=2 m=10 ² M=10 ⁴	<1 <1 <1 <1 <1	符合 Qualified	GB 4789.2-2016
2	大肠菌群 Escherichia coli	CFU/ml	n=5 c=2 m=1 M=10	<1 <1 <1 <1 <1	符合 Qualified	GB 4789.3-2016 第二法 Method 2
3	霉菌 Mould	CFU/ml	≤20	<1	符合 Qualified	GB 4789.15-2016 第一法 Method 1
4	酵母 Saccharomyce	CFU/ml	≤20	<1	符合 Qualified	GB 4789.15-2016 第一法 Method 1
5	钠 Na	mg/kg	/	2.11 × 10 ⁵	/	GB 5009.91-2017
6	钾 K	mg/kg	/	196	/	GB 5009.91-2017
7	铅 Pb	ug/L	≤0.3	0.03	符合 Qualified	GB 5009.12-2017
8	总砷 As	mg/L	/	0.015	/	GB 5009.11-2014 第二法 Method 2
9	总汞 Hg	ug/L	/	未检出 (检出限: 0.003) ND (Detection limit: 0.003)	/	GB 5009.17-2014 第一法 Method 1



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UNITED NATION QUALITY DETECTION

西安国联质量检测技术股份有限公司

Xi'an United Nations Quality Detection Technology CO.,Ltd.

检测报告

TEST REPORT

№ AFF191202823

共3页 第3页 Page 3 of 3

序号 No.	检测项目 Test items	单位 Units	技术指标 Technical indicators	检测结果 Test results	单项评定 Individual assessments	方法标准 Methods standard
10	色泽 Colour and lustre	/	具有该产品应有的色泽 It has the color and luster of the product	具有该产品应有的色泽 It has the color and luster of the product	符合 Qualified	GB 7101-2015
	滋味、气味 Taste, smell		无异味, 无异臭 No smell, no smell	无异味, 无异臭 No smell, no smell	符合 Qualified	
	状态 State		无正常视力可见外来异物, 液体饮料状态均匀, 固体饮料无结块 No foreign body can be seen in normal vision, the liquid beverage is even, and the solid beverage is not caked	无正常视力可见外来异物, 状态均匀 No foreign body can be seen in normal vision	符合 Qualified	
以下空白 The following blank						





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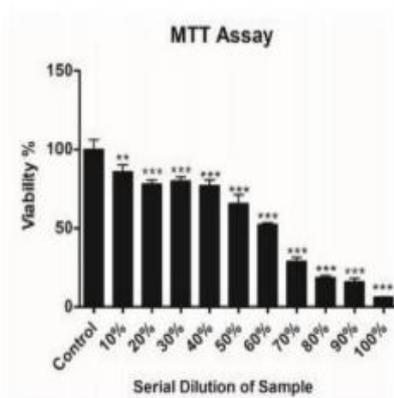
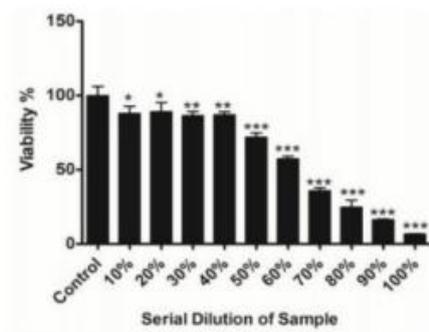
In the name of God

Description of the MTT experiment conducted GANS (Gas in nano solid) and Gans water by the National Defense University of the Islamic Republic of Iran

In this experiment, the effect of gans water and pure gans toxicity separately

The living human cells have been studied in different doses

It is described below:



Figures 1 and 2

Graph 1 :

As a **Bright** sample - gans water - Figure 1 - and opaque sample - Gans Figure 2 - and their effect on living human cells.

As shown in the diagrams, both gans water and gans have acted in much the same way. In general, IC50 is acceptable and good, compared to simple chemical drugs such as acetaminophen and 10 to 40 percent have high cell viability or a high viability of 90 percent, which means that if gans water or gans up to a concentration of 40 percent, either, injectively, topically, or The title superficial detergent , There is no cellular toxicity in humans.

At concentrations of 50 and 60%, cell viability is still above 50%. At concentrations above 60%, gans water and gans, cell viability decreases and falls below 50%, eventually reaching 10%.

But the point is that it doesn't go to zero, and that indicates that in general, gans water and Gans itself are not 100% toxic in any of the concentrations, and doctors and researchers can safely treat patients at doses of 10 percent to 40 percent. Do a clinical examination, which is very clear. First, examine the environmental and local effects on humans, and if the treatment is effective without side effects or with minimal and acceptable side effects, they can try oral and injectable methods according to defined clinical protocols. After confirming that the water of Gans and Gans itself is healthy in these doses, they can continue working on low and 50% doses with low risk.

In clinical trials, up to the same percentage may be sufficient to treat many patients, and in the treatment of more severe and severe patients with high mortality, physician researchers can use high doses up to 100% pure. Start pure and carefully increase the dose and consider the therapeutic effects and side effects. My advice is that based on my experience, it's best to start with gans water, which is very healthy, and even me and a lot of researchers. Oral and pure and with a 100% dose for at least 2 years. We have used it and we have seen nothing but treatment and health, and it has not had the slightest side effect for us.

After a clinical examination of all doses and concentrations of gans water and the proven therapeutic effects on a variety of diseases and without any side effects, either orally or by injection, then begin a clinical examination of the gans itself, which is clear that caution is important. And work with caution.

However, this plasma science is a complete science and is at the beginning of the road and has a lot of research and clinical work to do, and according to this MTT test, it is the strongest and most important test.

It is international and approved by the WHO, and is the first and most important condition for physicians to begin clinical trials on patients. .

And because IC50 of these gans and Gans water are both healthier than many simple and healthy chemical drugs such as prophene and acetaminophen ASA, it is expected that Iranian researchers and physicians, on different patients and with

Different doses start clinical trials and present all the results to the world in the form of articles, and the pioneers and flag bearers of this science in the world and make Iran the cradle of this science and all sciences, God willing.

Dr. Reza Asadi

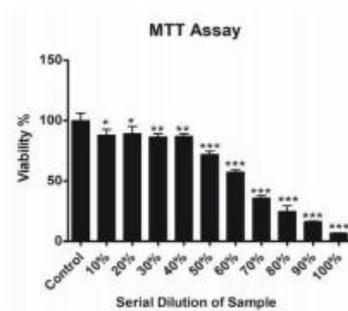
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به نام خدا

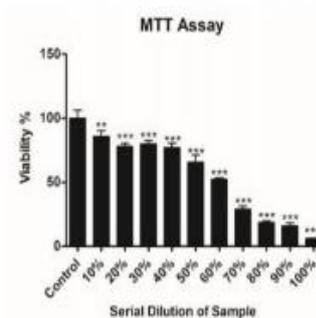
شرح آزمایش MTT که توسط دانشگاه دفاع ملی جمهوری اسلامی ایران انجام شده:

در این آزمایش اثر توکسیسیته آب گنس و خود گنس به تفکیک بر روی سلولهای زنده انسانی در دوزهای مختلف بررسی شده است که شرح و تفسیر آن در زیر میآید:

نمودار ۱ و ۲



نمودار ۱



تحت عنوان نمونه شفاف - آب گنس نمودار شماره ۱- و نمونه کدر- خود گنس نمودار شماره ۲- و اثر آنها بر روی سلولهای زنده انسانی میباشد .

همانطور که در نمودارها واضح است آب گنس و خود گنس هر دو تقریباً به یک شکل عمل کرده اند به طور کلی IC50 قابل قبول و خوبی دارند، -در مقایسه با داروهای شیمیایی سیف و ساده مثل استامینوفن و..... - به طوریکه در غلظتهای ۱۰ تا ۴۰ درصد سلولی بالای یا زنده مانی -viability

بالا در حد ۹۰ درصد داشته که به این مفهوم است که چنانچه آب گنس یا خود گنس تا غلظت ۴۰ درصد چه به صورت خوراکی چه به صورت تزریقی و چه به صورت موضعی و یا به عنوان دترژنت سطحی استفاده شود به هیچ عنوان سمیت سلولی روی انسان ندارد .

و در غلظتهای ۵۰ و ۶۰ درصد همچنان زنده مانی سلولی بالای ۵۰ درصد میباشد

در غلظتهای بالای ۶۰ درصد آب گنس و خود گنس ، زنده مانی سلولی افت میکند و به زیر ۵۰ درصد سقوط کرده و نهایتاً به ۱۰ درصد میرسد ولی نکته اینجاست که به عدد صفر نمیرسد و این نشاندهنده اینست که در کل آب گنس و خود گنس سمیت

۱۰۰ درصدی در هیچیک از غلظتها نداشته و پزشکان و محققین میتوانند با خیال راحت از دوزهای ۱۰ درصد تا ۴۰ درصد روی بیماران بررسی بالینی انجام دهند که پر واضح است ابتدا اثرات محیطی و موضعی رو انسان را بررسی نموده و در صورت موثر بودن درمان بدون عوارض جانبی یا با عوارض جانبی حداقلی و قابل قبول میتوانند روش های خوراکی و تزریقی را بر طبق پروتکل های تعریف شده کلینیکی *study* کنند و پس از تأیید شدن سالم بودن آب گنس و خود گنس در این دوزها میتوانند روی دوزهای ۵۰ و ۶۰ درصد با ریسک کم کار رو ادامه دهند احتمالاً در آزمایشهای بالینی تا همین درصد برای درمان خیلی از بیماران کافی باشد و در درمان بیماران وخیم تر و شدیدتر که مرگ و میر بالایی دارند محققین پزشک میتوانند از دوزهای بالا تا حد ۱۰۰ درصد خالص استفاده کنند البته برای اولین آزمایشات باید از دوزهای ۷۰ درصد خلوص شروع نموده و با احتیاط دوزها را افزایش دهند و اثرات درمانی و عوارض جانبی رو بررسی نمایند و توصیه بنده حقیر اینست که با توجه به تجربیاتم بهتر است ابتدا با آب گنس ها شروع کنند که بسیار بسیار سیف و سالمند و حتی بنده و خیلی از محققین به صورت خوراکی و خالص و با دوز ۱۰۰ درصدی حداقل ۲ سال مصرف کرده ایم و جز درمان و سلامت چیزی از آن ندیدیم و کوچکترین عارضه جانبی برای ما ها نداشته است و پس از بررسی کلینیکی تمام دوزها و غلظتهای آب گنس و ثابت شدن اثرات درمانی روی انواع بیماری ها و بدون عارضه بودنش چه به صورت خوراکی و تزریقی آنگاه شروع کنند به بررسی

کلینیکی خود گنس ها البته پرواضح است که احتیاط شرط عقل است و با احتیاط کار کنید.

به هر حال این علم پلاسما علم کاملیست و در آغاز راه بوده و جای کار تحقیقاتی و بالینی زیادی دارد و با توجه به این آزمایش MTT که قویترین و مهمترین تست بین المللی است و مورد تائید WHO میباشد و برای شروع آزمایشات بالینی بر روی بیماران توسط محققین پزشک اولین و مهمترین شرط میباشد و چنانچه نتیجه IC50 آن دارو خوب و قابل قبول باشد در واقع مجوزیست برای شروع آزمایشات بالینی بر روی انسان توسط محققین و پزشکان .

و از آنجائیکه IC50 این گنس و آبش هر دو از خیلی از داروهای ساده و سالم شیمیایی مثل پروفن .استامینوفن . ASA و سالمتر میباشد انتظار اینست که محققان ایرانی و پزشک هر چه زودتر با توکل به خداوند منان و توسل به ائمه هدی و اطاعت و پیروی از دستورات رهبر فرزانه و ولی امر مسلمین مبنی بر تولید علم و خود کفایی علمی ، روی بیماران مختلف و با دوزهای مختلف آزمایشات بالینی رو شروع کرده و تمام نتایج رو به دنیا به صورت مقاله ارائه دهند و پیشتازان و پرچم داران این علم در دنیا بوده و ایران را مهد این علم و تمام علوم کنند انشاء الله . همچون استاد و پدید آورنده و کاشف این علم جناب آقای پروفیسور مهران توکلی کشه که ایرانی بوده و بیش از ۵۰ سال هنوز هم پاسپورت ایرانی دارد و به آن افتخار میکند و اصالت و حس وطن دوستی خود را در بالاترین حد حفظ کرده و همچنین دانشمندی بی نظیر با یک علم کامل خدایی با تدین در

حد اعلاى درجه . و پىروى كامل از اوامر مقام معظم ولايت و
رهبرى و پشتيبان قاطع آن مقام عظاما.

با افتخار دكتور رضا اسدى شاگرد كوچك

استاد پروفيسور مهران توكللى كشه.

تاريخ ۱۳۹۹/۲/۵

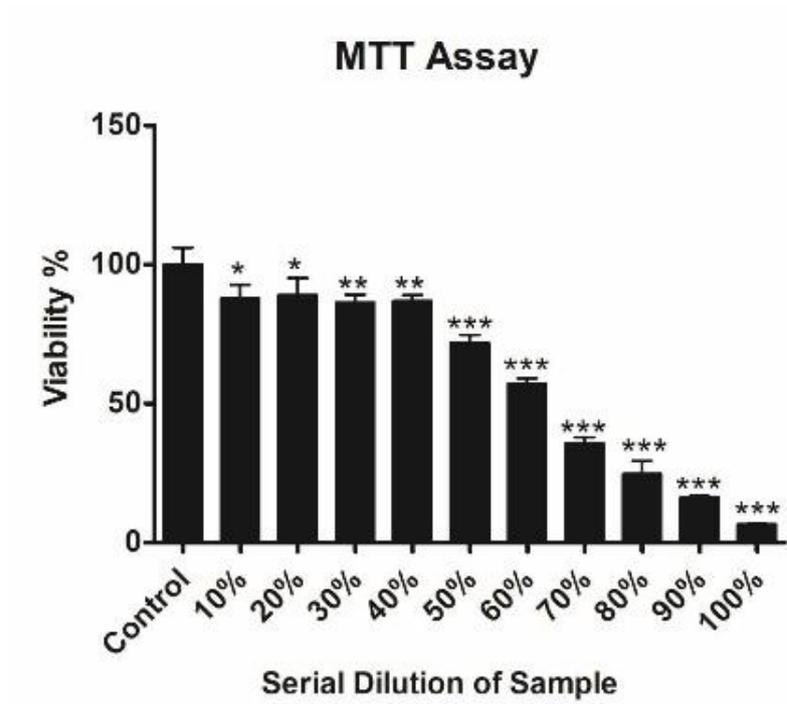
به نام خدا

سلام علیکم

احتراما به استحضار می‌رساند که نتایج آزمون MTT مربوط به نمونه تحت عنوان "نمونه شفاف" در قالب نمودار ذیل خدمت شما ارائه می‌گردد. ذکر چند نکته در مورد آنالیز این نمونه ضروری است.

- (۱) نمونه در ۱۰ رقت (۱۰، ۲۰، ۳۰، ۴۰، ۵۰، ۶۰، ۷۰، ۸۰، ۹۰ و ۱۰۰ درصد) و در مدت زمان ۲۴ ساعت بعد از تیمار روی سلول های فیبروبلاست انسانی مورد آزمون MTT قرار گرفت. در مورد رقت ها: برای مثال ۱۰ درصد به معنی ۱۰ درصد از نمونه و ۹۰ درصد محیط کشت سلول، ۹۰ درصد به معنی ۹۰ درصد نمونه و ۱۰ درصد محیط کشت و ... می باشد.
- (۲) با توجه به ناشناخته بودن ماده برای ما و عدم اعلام هر گونه اطلاعاتی در مورد نمونه ما از غلظت های تجربی خودمان استفاده کردیم.
- (۳) نمونه ابتدا با استفاده از عبور از فیلتر 0.22 میکرومتری استریل شده و سپس رقت سازی شد.
- (۴) نتایج به صورت درصد زنده ماتی (Viability) بیان شده است و زنده ماتی سلول ها بعد از تیمار با رقت های مختلف نمونه با گروه کنترل (گروهی که فقط محیط کشت سلول دریافت کرد) مقایسه گردید.
- (۵) آنالیز نمونه ها با استفاده از نرم افزار GraphPad Prism صورت گرفت و تست مورد استفاده از Oneway ANOVA بوده و سطح معناداری $p < 0.05$ در نظر گرفته شد.
- (۶) آن چه موجب تصمیم گیری در مورد این مواد می شود، هدف کاربردی آن ها است. زیرا ماهیت این تست تماس مستقیم غلظت های مختلف نمونه ها با سلول های انسانی (در این جا فیبروبلاست) است و این نوع تست بیشتر برای ارزیابی سمیت سلولی یا سیتوتوکسیسیته موادها، داروها و یا عوامل خارجی معنیر است که به صورت خوراکی یا تزریقی در اختیار فرد قرار می گیرند و یا به نوعی در قالب یک بستر یا داربست وارد بدن فرد شوند. استفاده از این مواد در قالب یک دترژنت برای سطوح و عدم تماس مستقیم با بدن انسان در یک بازه زمانی کوتاه (یک تا ۲۴ ساعت) ممکن است عوارض جانبی نداشته باشد و یا استفاده از آن ها برای ضد عفونی کردن سطوح به دلیل عدم تماس مستقیم با سیستم داخلی بدن ممکن است عوارض جانبی یا کشندگی سلول یا توجه به آن چه در تست ها نشان داده شده است را نداشته باشد. هر چند نباید از ذکر این نکته نیز غافل شد که با توجه به عدم شناخت این جانب از ماهیت مواد مذکور، در صورت وجود جذب پوستی و یا حساسیت های پوستی، خوردن و نوشیدن غیر آگاهانه و ... این مواد می تواند عوارض جانبی را برای فرد ایجاد کنند.

با احترام



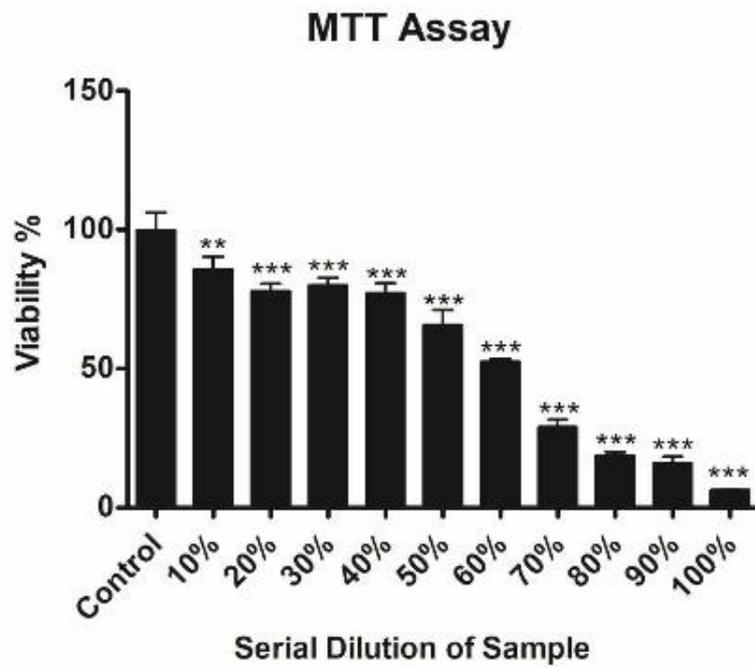
به نام خدا

سلام علیکم

احتراما به استحضار می‌رساند که نتایج آزمون **MTT** مربوط به نمونه تحت عنوان "**نمونه گذر**" در قالب نمودار ذیل خدمت شما ارائه می‌گردد. ذکر چند نکته در مورد آنالیز این نمونه ضروری است.

- (۱) نمونه در ۱۰ رقت (۱۰، ۲۰، ۳۰، ۴۰، ۵۰، ۶۰، ۷۰، ۸۰، ۹۰ و ۱۰۰ درصد) و در مدت زمان ۲۴ ساعت بعد از تیمار روی سلول های فیبروبلاست انسانی مورد آزمون **MTT** قرار گرفت. در مورد رقت ها: برای مثال ۱۰ درصد به معنی ۱۰ درصد از نمونه و ۹۰ درصد محیط کشت سلول، ۹۰ درصد به معنی ۹۰ درصد نمونه و ۱۰ درصد محیط کشت و ... می‌باشد.
- (۲) با توجه به ناشناخته بودن عاده برای ما و عدم اعلام هر گونه اطلاعاتی در مورد نمونه ما از غلظت ها یا در این جا رقت های تجربی خودمان استفاده کردیم.
- (۳) نمونه ابتدا با استفاده از عبور از فیلتر ۰.۲۲ میکرومتری استریل شده و سپس رقت سازی شد.
- (۴) نتایج به صورت **درصد زنده مائی (Viability)** بیان شده است و زنده مائی سلول ها بعد از تیمار با رقت های مختلف نمونه با گروه کنترل (گروهی که فقط محیط کشت سلول دریافت کرد) مقایسه گردید.
- (۵) آنالیز نمونه ها با استفاده از نرم افزار **GraphPad Prism** صورت گرفت و تست مورد استفاده از **Oneway ANOVA** بوده و سطح معناداری $p < 0.05$ در نظر گرفته شد.
- (۶) آن چه موجب تصمیم گیری در مورد این مواد می‌شود، **هدف کاربردی آن ها** است. زیرا ماهیت این تست تماس مستقیم غلظت های مختلف نمونه ها با سلول های انسانی (در این جا فیبروبلاست) است و این نوع تست بیشتر برای ارزیابی سمیت سلولی یا سیتوتوکسیسیته موادها، داروها و یا عوامل خارجی معنبر است که به صورت خوراکی یا تزریقی در اختیار فرد قرار می‌گیرند و یا به نوعی در قالب یک بستر یا داریست وارد بدن فرد شوند. استفاده از این مواد در قالب یک دترزنت برای سطوح و عدم تماس مستقیم با بدن انسان در یک بازه زمانی کوتاه (یک تا ۲۴ ساعت) ممکن است عوارض جانبی نداشته باشد و یا استفاده از آن ها برای ضد عفونی کردن سطوح به دلیل عدم تماس مستقیم با سیستم داخلی بدن ممکن است عوارض جانبی یا کشندگی سلول با توجه به آن چه در تست ها نشان داده شده است را نداشته باشد. هر چند نباید از ذکر این نکته نیز غافل شد که با توجه به عدم شناخت این جانب از ماهیت مواد مذکور، در صورت وجود جذب پوستی و یا حساسیت های پوستی، خوردن و نوشیدن غیر آگاهانه و ... این مواد می‌توانند عوارض جانبی را برای فرد ایجاد کنند.

با احترام



GHANA WATER COMPANY LIMITED

Main Bankers: GCB Bank Limited
Societe Generale Ghana
National Investment Bank



ATMA Production
P. O. Box 1840
Accra-Ghana.
West Africa

Date Of Report: 20-Mar-2018
Source: Borehole (Oyarifa)
Date of Submission: 14-Mar-18
Date of Analysis: 16-Mar-18
Attn: **Keshe Foundation Gh. Ltd**
Tel: **0244618507**

**Location: Central Laboratory
Mile 4, Accra**

PHYSICO-CHEMICAL WATER ANALYSIS

Analysis	Unit	Result	Ghana Standards
pH	pH	7.30	6.50-8.50
Conductivity	mS/m	111.09	150.00
Salinity	ppt	0.56	
Total Dissolved Solids	mg/L	555.45	1000.00
Colour	HU	2.00	5.00
Silica	mg/L	45.00	
Turbidity	NTU	5.49	5.00
Alkalinity (as CaCO ₃)	mg/L	296.00	
Total Hardness	mg/L	440.00	500.00
Calcium Hardness	mg/L	300.00	
Magnesium Hardness	mg/L	140.00	
Chloride	mg/L	230.00	250.00
Total Iron	mg/L	0.25	0.30
Calcium	mg/L	120.00	200.00
Sodium	mg/L	149.27	200.00
Magnesium	mg/L	34.02	150.00
Bicarbonate	mg/L	361.12	
Carbonate	mg/L	0.00	
Total Suspended Solids	mg/L	0.00	0.00
Copper	mg/L	0.89	1.00
Manganese	mg/L	0.80	0.30
Fluoride	mg/L	2.67	1.50
Phosphate	mg/L	0.16	30.00
Zinc	mg/L	0.00	3.00
Nitrate	mg/L	5.72	50.00
Nitrite	mg/L	0.00	3.00
Ammonia	mg/L	0.00	1.50
Sulphate	mg/L	13.00	250.00

Remarks: Turbidity and fluoride values of the sample submitted do not conform to the drinking water standard. **Reverse Osmosis** plant is recommended for treatment.

Fov

Hanson Mensah-Akutteh
Reg. WQA Manager

*Board of Directors: Hon. Alexander Kwamena Afenyo-Markin (Chairman), Ing. Dr. Clifford Abdallah Briamah (Ag. Managing Director)
Mr. Joseph Obeng-Poku, Mr. Michael Ayesu, Naba Sigri Bewong, Mr. Kwame Ampofo Tsumasi, Mr. Clement Alosabuna Kaba
Dr. Forster Kum-Ankama Sarpong, Madam Maria Aba Lovelace-Johnson, Mr. Alexander K. B. Bonney, Mrs. Serena Kwakye Mintah*

Registered Office: 28th February Road, (Near Independence Square)
Telephone: 233-302-666781-7 Fax: 233-302-663552 Telegrams: DIRWAT

Website: www.gwcl.com.gh

E-mail: info@gwcl.com.gh



Food and Drugs Authority

Head Office
P. O. Box CT 2783
Cantonments, Accra-Ghana
Tel: (+233-302)233200, 235100
Fax: (+233-302)229794, 225502
Email: fda@fdaghana.govgh

FDA/FID/FED/PIU/17/0105

19th July 2017

The Managing Director
Keshe Foundation Ghana Limited
P. O. Box LG 80
Legon

Tel: 0240249881/0506679592/0505008075

Dear Sir,

FACILITY LICENCE

The Food and Drugs Authority writes to inform you that your application for licensing of your Food Manufacturing Facility located on the Premises of Ghana Atomic Energy Commission, Greater Accra Region has been approved.

Your production facility has been licensed with the following number; **FDAVM1717-990**. This license is valid for one year ending **10TH JULY 2018**.

A certificate has been issued in respect of the above.

Please be informed that your facility will be due for re-auditing on **6TH JULY 2018**. However, to ensure continuous compliance with current codes of Good Manufacturing Practices (GMP), the Food and Drugs Authority may conduct unannounced inspections within the period of validity of the license.

NB: Please be informed that the facility license number is not the product registration number and should not be printed on the product label.

Yours faithfully,

DELESE A. A. DARKO (MRS)
AG. CHIEF EXECUTIVE OFFICER

cc: All Regional Offices



GHANA STANDARDS AUTHORITY

P.O.Box MB 245 Accra - Ghana, Tel: (233-302) 506991 – 5, 500065/6, Fax: (233 -302)500092, 500231

EXECUTIVE DIRECTOR: **PROFESSOR ALEX DODOO**

Our Ref: **GSA/PCD/34.00/66**

Date: **2018-05-07**

Your Ref:.....

Date:.....

TO: MANUFACTURER OF CERTIFIED PRODUCT(S)

Dear Sir/ Madam

**REVIEW OF THE GHANA STANDARD (GS 364 GHANA STANDARDS
AUTHORITY'S MARK OF CONFORMITY – SPECIFICATIONS AND GUIDELINES
OF APPLICATION)**

The Ghana Standards Authority wishes to inform you that the standard for the Product Certification Mark of Conformity has been revised. The current version of the Standard (GS 364: 2018 Ghana Standards Authority's mark of conformity – specifications and guidelines of application) is available for purchase at a price of 100 Ghana cedis in the library at GSA Head Office, Okponglo near Tetteh Quarshie Interchange, Accra.

You are advised to obtain a copy of the Standard for the right application of the Standard Mark.

Counting on your co-operation.

Yours faithfully,

**P. I. K. ARTHUR
DIRECTOR CERTIFICATION DIRECTORATE**

*Keshe Foundation Ghana
Limited*



Dr. O. Takyi
[Signature]

Member: International Organisation for Standardisation (ISO); African Regional Organisation for Standardisation (ARSO)

Website: <http://www.gsa.gov.gh> | E-mail: gsanep@gsa.gov.gh; gsadir@gsa.gov.gh

Doc.No. GSA-FM-G08-A



GHANA STANDARDS AUTHORITY

P.O.Box MB 245 Accra - Ghana, Tel: (233-302) 506991 – 5. 500065/6, Fax: (233 -302)500092, 500231

EXECUTIVE DIRECTOR:

Our Ref: **GSA-PCM-A-929**

Your Ref:

Date: **2017-05-15**

Date:

**THE MANAGING DIRECTOR
KESHE FOUNDATION GHANA LIMITED
P.O.BOX LG 80
LEGON - ACCRA**

Dear Sir/ Madam,

LETTER INTIMATING THE GRANT OF LICENCE TO THE APPLICANT

With reference to your application number **GSA-PCM-A-929** we are pleased to inform you that it has been decided to grant you Licence(s). The scope of the Licence is as follows:

“Manufactured soft drinks; production of mineral water and other bottled water, NACE 11.07”

1. Details of the licence(s) are as follows:

PRODUCT(S)	STANDARD(S)	LICENCE NO.	ISSUE DATE	EXPIRY DATE
Bottled Drinking Water (Plasmaji)	GS 175-1:2013	GSA-PCM-L-A-929-001	2017-05-12	2018-05-11

The licence number should invariably be referred to in all your future correspondence.

2. The licence, which is renewable, is subject to the conditions under Ghana Standards (Certification Mark) Rules 1970 has been granted subject to the following:

- Signing of certification Agreement,
- payment of marking fee (based on category of industries),
- Payment of licence fee
- Submission of Label for standard mark for approval in duplicate,

3. For the subsequent renewal, licence fee is payable in advance at the time of renewal.

4. We are enclosing the Guidelines for the use of Standard Mark for Product Certification Scheme. The preferred dimension and size of the Certification Standard Mark is also enclosed to enable you to prepare the designs of the Standard Mark for use on the product. Standard mark should be used in such a manner that it clearly appears on the product.

5. This licence is granted to you with respect to products and process for the factory situated at Ghana Atomic Energy Commission (GAEC), Accra, GA/R.

Yours faithfully,

**M. T. KUMAH
DIRECTOR, CERTIFICATION DIVISION
FOR: EXECUTIVE DIRECTOR**

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Member: International Organisation for Standardisation (ISO); African Regional Organisation for Standardisation (ARSO)

Website: <http://www.gsa.gov.gh> | E-mail: gsonep@gsa.gov.gh; gsadir@gsa.gov.gh

Doc No. GSA - FM - G08 - A

GHANA STANDARDS AUTHORITY

PRODUCT CERTIFICATION SCHEME
CERTIFICATION AGREEMENT

The Ghana Standards Authority, Product Certification hereinafter referred to as the Certification Body makes agreement for the certification of the product and schemes for which the details of the licenses are given below:

Sl. NO.	PRODUCT	SCHEMES	GHANA STANDARD	TRADE NAME	CERTIFICATE NO.	CERTIFICATION DATE
1.	Bottled Drinking Water (Plasmaji)		GS 175-1:2013	Bottled Drinking Water (Plasmaji)	GSA-PCM-L-A-929-001	2017-05-12

In order to hold and use of the licence, the licensee shall comply with the conditions of the agreement as follows:

Article 1: Regulations for certification and inspection

The stipulations of the general provisions for the certification system apply to this agreement specified in the Standards Authority Act 1973. Ghana Standards (Certification Mark) Rules 1970 and also scheme requirements stipulated in ISO IEC 17065.

Article 2: Rights and obligations

2.1 The holder of the licence agrees that the certified products manufactured and supplied by him/her as specified in the licence to this agreement complies with the requirements stated in the Ghana product standard, Scheme of Testing & Inspection (STI) and certification requirements conditions.

2.2 The Ghana Standards Authority (GSA) authorizes the holder of the licence to use the Ghana Standards Certification Mark on the products to which the licence applies and to announce publicly that certification has been received. The holder of license is liable to penal provisions under the GSA Standards Authority Act & Rules in the event of misuse of the standards mark.

2.3 The holder of the licence of the product agrees that the persons representing GSA will have unobstructed access without prior notification to the premises of the factory covered by the license during the normal working hours of the factory involved. The holder of the license also agrees to allow observers and trainee auditors with the technical audit team and observers from accreditation and regulatory bodies.

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GHANA STANDARDS AUTHORITY

PRODUCT CERTIFICATION SCHEME

2.4 The holder of the licence agrees that the products for which the licence is granted will be produced to the same specifications as the sample that has been submitted to GSA PCM (as specified in the application form for product certification).

2.5 The holder of the licence agrees to apply the mark on the product labels that has been registered with the GSA PCM.

2.6 The holder of the licence agrees to inform GSA PCM without delay the changes that affect its ability to conform to the requirements of the standards or certification requirements.

Article 3: Surveillance

3.1 GSA carries out surveillance on the holder of the certification to determine continuing conformity to the standard during the period of validity of license.

3.2 The surveillance is carried out by the staff of GSA PCM

3.3 The testing of the samples taken from factory or market is carried out at least once a year or as required by sample failures or consumer complaints.

Article 4: Information on modifications of production

The holder of the licence agrees to inform the GSA PCM of any intended modification in the product, the manufacturing process or the quality management system. The holder also undertakes to inform GSA PCM, without delay, the changes relating to legal, commercial, organizational status or ownership and agrees for any verification by GSA when necessary.

Article 5: Complaints

The holder of the licence agrees to keep a record of complaints and action taken of any complaints regarding those aspects of the products covered by the licence and to make available to GSAPCS upon request for verification.

Article 6: Publicity

6.1 The holder of the licence has the right to publish that he/she has been authorized to mark the products to which the licence applies.

6.2 Among other methods the GSA gives publicity to the certification given to the licensee in news papers, radio and television etc. and cancellation of the agreement, as appropriate.

Article 7: Confidentiality

The GSA is responsible for ensuring and maintaining confidentiality of information which comes into the possession by its employees, auditors and experts engaged in certification as a result of their contacts with the holder of the licence and will not disclose to any third party, except as may be required by the law of the land as provided for in section 70 of the act.

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GHANA STANDARDS AUTHORITY

PRODUCT CERTIFICATION SCHEME

Article 8: Payment

The holder of the licence agrees to pay for all expenses in relation to the certification, including test, inspection and administration costs. Payment becomes due within 28 days from the date of invoices.

Article 9: Agreement period

9.1 This agreement comes into force on **2017-05-12** and remains in force until **2018-05-11** unless withdrawn for justified reasons or cancelled by either party upon due notice given to the other party.

9.2 The validity of the license is for a one year period unless it is renewed or is suspended or revoked.

9.3 When the holder of the licence ceases his/her operation, he/her shall notify GSA in writing within thirty days from the date of cessation thereof.

Article 10: Termination, reduction, suspension / Withdrawal of certification

10.1 Depending on the reason for the Termination, reduction, suspension /Withdrawal the following schedule of notice will be followed:

10.2 Upon termination, suspension or withdrawal of certification, the holder agrees to discontinue use of standard mark on the product and in advertisement/publicity material including letter heads.

	Situation requiring the dispatch of notice that can lead to withdrawal/ Termination	Days of notice prior to withdrawal/Termination
01	Manufacturers wish to terminate, suspend/ withdrawal	To be specified by GSA PCM
02	GSA determines that the product is hazardous	To be specified by GSA PCM
03	Violation of the standard	Max. 60 days
04	Non-payment of fees according to article 8	Max. 30 days
05	Failure to meet other provisions of the agreement	Max. 60 days
06	Mandatory compliance with new requirements in relation to revision of standards	To be specified by GSA PCM

Advice of cancellation shall be sent by registered letter (or equivalent means) to the other party, stating the reasons and the date of Termination of the certification.

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GHANA STANDARDS AUTHORITY

PRODUCT CERTIFICATION SCHEME

Article 11: Modification of product requirements

11.1 If the requirements applying to the products covered by this agreement are modified, GSA shall immediately inform the holder of the licence by registered letter (or equivalent means), stating at what date the modified requirements will become effective, and advising him/her of any need for a supplementary examination of the products which are subject to this agreement.

11.2 Within a specified period of time after receipt of the advice described in paragraph.11.1, the holder of the licence shall inform GSA by registered letter (or equivalent means) whether he/she is prepared to accept the modifications. If the holder of the licence gives confirmation within the specified period of his acceptance of the modification and provided the result of any supplementary examination is favourable, a supplementary licence will be issued or other modifications of the GSA records.

11.3 If the holder of the licence advises the GSA that he is not prepared to accept the modification within the time specified in accordance with 11.2 or if he/she allows the terms for acceptance to lapse, or if the result of any supplementary examination is not favourable, the licence covering the particular product shall cease to be valid on the date on which the modified specifications become effective, unless otherwise decided by the GSA.

Article 12: Liability

All parties shall be bound by the legal requirements of Ghana.

Article 13: Appeals/disputes

All disputes that may arise in connection with this agreement are to be settled in accordance with the appeal procedures of the GSA PCM.

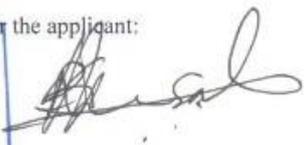
Issued in duplicate and signed by an authorized representative of the Ghana Standards Authority and the applicant.

For the certification body:


M. T. KUMAH
 Director, Certification
 Ghana Standards Authority
 Date: 2017-05-24



For the applicant:


 NAME: BENJAMIN KWESI MENSAH
 Rep. Keshe Foundation Ghana Limited
 Date:

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GHANA STANDARDS AUTHORITY

P.O.Box MB 245 Accra - Ghana, Tel: (233-302) 506991 – 5. 500065/6, Fax: (233 -302)500092, 500231

EXECUTIVE DIRECTOR:

Our Ref: **GSA-PCM-A-929**

Your Ref:

Date: **2017-06-05**

Date:

**THE MANAGING DIRECTOR
KESHE FOUNDATION GHANA LIMITED
P.O.BOX LG 80
LEGON- ACCRA**

Dear Sir/ Madam,

LETTER INTIMATING THE GRANT OF LICENCE TO THE APPLICANT

With reference to your application number **GSA-PCM-A-929** we are pleased to inform you that it has been decided to grant you Licence(s). The scope of the Licence is as follows:

“Manufactured soft drinks; production of mineral water and other bottled water, NACE 11.07”

1. Details of the licence(s) are as follows:

PRODUCT(S)	STANDARD(S)	LICENCE NO.	ISSUE DATE	EXPIRY DATE
Bottled Drinking Water (Zmaji)	GS 175-1: 2013	GSA-PCM-L-A-929-002	2017-06-05	2018-06-04
Bottled Drinking Water (Glomaji)	GS 175-1: 2013	GSA-PCM-L-A-929-003	2017-06-05	2018-06-04
Bottled Drinking Water (Magmaji)	GS 175-1: 2013	GSA-PCM-L-A-929-004	2017-06-05	2018-06-04
Bottled Drinking Water (Ramemaji)	GS 175-1: 2013	GSA-PCM-L-A-929-005	2017-06-05	2018-06-04
Plasma Energy Saving Unit	IEC 60335-1:2010	GSA-PCM-L-A-929-006	2017-06-05	2018-06-04

The licence number should invariably be referred to in all your future correspondence.

2. The licence, which is renewable, is subject to the conditions under Ghana Standards (Certification Mark) Rules 1970 has been granted subject to the following:

- Signing of certification Agreement,
- payment of marking fee (based on category of industries),
- Payment of licence fee
- Submission of Label for standard mark for approval in duplicate,

3. For the subsequent renewal, licence fee is payable in advance at the time of renewal.

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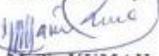
Member: International Organisation for Standardisation (ISO); African Regional Organisation for Standardisation (ARSO)

Website: <http://www.gsa.gov.gh> | E-mail: gsanep@gsa.gov.gh; gsadin@gsa.gov.gh

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4. We are enclosing the Guidelines for the use of Standard Mark for Product Certification Scheme. The preferred dimension and size of the Certification Standard Mark is also enclosed to enable you to prepare the designs of the Standard Mark for use on the product. Standard mark should be used in such a manner that it clearly appears on the product.

5. This licence is granted to you with respect to products and process for the factory situated at Ghana Atomic Energy Commission (GAEC), Accra, GA/R.

Yours faithfully,


M. T. KUMAH
DIRECTOR, CERTIFICATION DIVISION
FOR: EXECUTIVE DIRECTOR

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GHANA STANDARDS AUTHORITY



PRODUCT CERTIFICATION SCHEME

CERTIFICATION AGREEMENT

The Ghana Standards Authority, Product Certification hereinafter referred to as the Certification Body makes agreement for the certification of the product and schemes for which the details of the licenses are given below:

Sl. NO.	PRODUCT	SCHEMES	GHANA STANDARD	TRADE NAME	CERTIFICATE NO.	CERTIFICATION DATE
1.	Bottled Drinking Water (Zmaji)		GS 175-1: 2013	Bottled Drinking Water (Zmaji)	GSA-PCM-L-A-929-002	2017-06-05
2.	Bottled Drinking Water (Glomaji)		GS 175-1: 2013	Bottled Drinking Water (Glomaji)	GSA-PCM-L-A-929-003	2017-06-05
3.	Bottled Drinking Water (Magmaji)		GS 175-1: 2013	Bottled Drinking Water (Magmaji)	GSA-PCM-L-A-929-004	2017-06-05
4.	Bottled Drinking Water (Ramemaji)		GS 175-1: 2013	Bottled Drinking Water (Ramemaji)	GSA-PCM-L-A-929-005	2017-06-05
5.	Plasma Energy Saving Unit		IEC 60335-1:2010	Plasma Energy Saving Unit	GSA-PCM-L-A-929-006	2017-06-05

In order to hold and use of the licence, the licensee shall comply with the conditions of the agreement as follows:

Article 1: Regulations for certification and inspection

The stipulations of the general provisions for the certification system apply to this agreement specified in the Standards Authority Act 1973, Ghana Standards (Certification Mark) Rules 1970 and also scheme requirements stipulated in ISO IEC 17065.

Article 2: Rights and obligations

2.1 The holder of the licence agrees that the certified products manufactured and supplied by him/her as specified in the licence to this agreement complies with the requirements stated in the Ghana product standard, Scheme of Testing & Inspection (STI) and certification requirements conditions.

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GHANA STANDARDS AUTHORITY

PRODUCT CERTIFICATION SCHEME

2.2 The Ghana Standards Authority (GSA) authorizes the holder of the licence to use the Ghana Standards Certification Mark on the products to which the licence applies and to announce publicly that certification has been received. The holder of license is liable to penal provisions under the GSA Standards Authority Act & Rules in the event of misuse of the standards mark.

2.3 The holder of the licence of the product agrees that the persons representing GSA will have unobstructed access without prior notification to the premises of the factory covered by the license during the normal working hours of the factory involved. The holder of the license also agrees to allow observers and trainee auditors with the technical audit team and observers from accreditation and regulatory bodies.

2.4 The holder of the licence agrees that the products for which the licence is granted will be produced to the same specifications as the sample that has been submitted to GSA PCM (as specified in the application form for product certification).

2.5 The holder of the licence agrees to apply the mark on the product labels that has been registered with the GSA PCM.

2.6 The holder of the licence agrees to inform GSA PCM without delay the changes that affect its ability to conform to the requirements of the standards or certification requirements.

Article 3: Surveillance

3.1 GSA carries out surveillance on the holder of the certification to determine continuing conformity to the standard during the period of validity of license.

3.2 The surveillance is carried out by the staff of GSA PCM

3.3 The testing of the samples taken from factory or market is carried out at least once a year or as required by sample failures or consumer complaints.

Article 4: Information on modifications of production

The holder of the licence agrees to inform the GSA PCM of any intended modification in the product, the manufacturing process or the quality management system. The holder also undertakes to inform GSA PCM, without delay, the changes relating to legal, commercial, organizational status or ownership and agrees for any verification by GSA when necessary.

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Article 5: Complaints

The holder of the licence agrees to keep a record of complaints and action taken of any complaints regarding those aspects of the products covered by the licence and to make available to GSAPCS upon request for verification.

Article 6: Publicity

6.1 The holder of the licence has the right to publish that he/she has been authorized to mark the products to which the licence applies.

6.2 Among other methods the GSA gives publicity to the certification given to the licensee in news papers, radio and television etc. and cancellation of the agreement, as appropriate.

Article 7: Confidentiality

The GSA is responsible for ensuring and maintaining confidentiality of information which comes into the possession by its employees, auditors and experts engaged in certification as a result of their contacts with the holder of the licence and will not disclose to any third party, except as may be required by the law of the land as provided for in section 70 of the act.

Article 8: Payment

The holder of the licence agrees to pay for all expenses in relation to the certification, including test, inspection and administration costs. Payment becomes due within 28 days from the date of invoices.

Article 9: Agreement period

9.1 This agreement comes into force on **2017-06-05** and remains in force until **2018-06-04** unless withdrawn for justified reasons or cancelled by either party upon due notice given to the other party.

9.2 The validity of the license is for a one year period unless it is renewed or is suspended or revoked.

9.3 When the holder of the licence ceases his/her operation, he/her shall notify GSA in writing within thirty days from the date of cessation thereof.

Article 10: Termination, reduction, suspension / Withdrawal of certification

10.1 Depending on the reason for the Termination, reduction, suspension /Withdrawal the following schedule of notice will be followed:

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10.2 Upon termination, suspension or withdrawal of certification, the holder agrees to discontinue use of standard mark on the product and in advertisement/publicity material including letter heads.

	Situation requiring the dispatch of notice that can lead to withdrawal/ Termination	Days of notice prior to withdrawal/Termination
01	Manufacturers wish to terminate, suspend/ withdrawal	To be specified by GSA PCM
02	GSA determines that the product is hazardous	To be specified by GSA PCM
03	Violation of the standard	Max. 60 days
04	Non-payment of fees according to article 8	Max. 30 days
05	Failure to meet other provisions of the agreement	Max. 60 days
06	Mandatory compliance with new requirements in relation to revision of standards	To be specified by GSA PCM

Advice of cancellation shall be sent by registered letter (or equivalent means) to the other party, stating the reasons and the date of Termination of the certification.

Article 11: Modification of product requirements

11.1 If the requirements applying to the products covered by this agreement are modified, GSA shall immediately inform the holder of the licence by registered letter (or equivalent means), stating at what date the modified requirements will become effective, and advising him/her of any need for a supplementary examination of the products which are subject to this agreement.

11.2 Within a specified period of time after receipt of the advice described in paragraph.11.1, the holder of the licence shall inform GSA by registered letter (or equivalent means) whether he/she is prepared to accept the modifications. If the holder of the licence gives confirmation within the specified period of his acceptance of the modification and provided the result of any supplementary examination is favourable, a supplementary licence will be issued or other modifications of the GSA records.

11.3 If the holder of the licence advises the GSA that he is not prepared to accept the modification within the time specified in accordance with 11.2 or if he/she allows the terms for acceptance to lapse, or if the result of any supplementary examination is not favourable, the licence covering the particular product shall cease to be valid on the date on which the modified specifications become effective, unless otherwise decided by the GSA.

Doc. No.: GSA-PCM-OP4.1-01-FM-01	ISSUE NO.: 01	Approved by: AA	Page 4 of 5
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GHANA STANDARDS AUTHORITY

PRODUCT CERTIFICATION SCHEME

Article 12: Liability

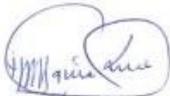
All parties shall be bound by the legal requirements of Ghana.

Article 13: Appeals/disputes

All disputes that may arise in connection with this agreement are to be settled in accordance with the appeal procedures of the GSA PCM.

Issued in duplicate and signed by an authorized representative of the Ghana Standards Authority and the applicant.

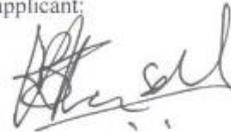
For the certification body:



M. T. KUMAH
Director, Certification
Ghana Standards Authority
Date: 2017-06-08



For the applicant:



NAME: BENJAMIN KWESI MENSAH
Rep. Keshe Foundation Ghana Ltd.
Date:

Doc. No.: GSA-PCM-OP4.1-01-FM-01	ISSUE NO.: 01	Approved by: AA	Page 5 of 5
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中国认可
国际互认
检测
TESTING
CNAS L10066

Test Report

Report Number: SSMT-R-2020-00197-01

Sample Name: CO₂ GANS

Study Title: Skin Sensitization Test

Standard: GB/T 16886.10-2017

Test facility

Jiangsu Science Standard Medical
Testing Co., Ltd.

C4 Building, No.9 Changyang Road, Wujin
District, Changzhou, Jiangsu, China

Sponsor

Keshe Foundation Manufacturing
Austria GmbH

Oberkulm 3/3, 4203 Altenberg bei Linz,
Austria

Jiangsu Science Standard Medical Testing Co., Ltd.

C4 Building, No.9 Changyang Road, Wujin District, Changzhou, Jiangsu, China. 213161 Tel: (86-519-83587899) Fax: (86-519-83587899) www.jssamt.com

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Explanation

1. Please apply for rechecking within 15 days of receiving the report if there is any objection.
2. Any erasure or without special testing seal renders the report null and void.
3. The report is only valid when signed by the persons who edited, checked and approved it.
4. The result relate only to the articles tested.
5. The report shall not be reproduced except in full without the written approval of the institute.
6. This experiment was carried out in the sub-site and the address is: No. 68, Yaoluo Road, Wujin District, Changzhou City.

Conclusion

The extract of the test article was evaluated for its potential skin sensitization in the Guinea Pig Maximization Test.

The test articles were extracted with 0.9% sodium chloride injection and sesame oil respectively. The test article extract was intradermally injected into guinea pigs and applied topically for induction. Control animals were treated accordingly but with the solvent alone.

The topical challenge with the test article elicited no skin reaction in the test or the control animals. The skin sensitization rates of polar and non-polar group were both determined with 0%.

Study verification and signature

The study was carried out in accordance with the standard operating procedure. The test process was conducted in compliance with the requirements of CNAS-CL01:2018 (ISO/IEC17025:2017, IDT) and RB/T214-2017.

Date Received	2020-03-05
Technical Initiation Date	2020-03-09
Technical Completion Date	2020-04-05
Final Report Completion Date	2020-04-13

Edited by Molly 2020.04.13
 Date
 Checked by Suri 2020.04.13
 Date
 Approved by Daisy 2020.04.21
 Authorized signatory Date

Science Standard Medical Testing Co., Ltd.



1.0 Purpose

The test was designed to evaluate the potential of a test article to cause skin sensitization using Guinea Pig Maximization Test.

2.0 Reference

Biological evaluation of medical devices-Part 10:Tests for irritation and skin sensitization(GB/T 16886.10-2017)

Biological evaluation of medical devices-Part 12:Sample preparation and reference materials(GB/T 16886.12-2017)

Biological evaluation of medical devices-Part 2: Animal welfare requirements (GB/T 16886.2-2011)

3.0 Test and control articles

3.1 Test article (The information about the test article was supplied by the sponsor wherever applicable.)

Test article name: CO₂ GANS

Sterilization state: Unsterilized

Model: N/S

Size: N/S

Lot/ Batch#: N/S

Physical State: Liquid

Color: See the photo

Density: N/S

Stability: N/S

Solubility: N/S

Test Article Material: N/S

Packing Material: N/S

Storage Condition: Room temperature

Manufacturer: Keshe Foundation Manufacturing Austria GmbH

Manufacturer address: Oberkulm 3/3, 4203 Altenberg bei Linz, Austria

Sample photograph:



3.2 Control Articles

3.2.1 Polar Negative Control

Name: 0.9% Sodium chloride injection (SC)
Manufacturer: Chenxin Pharmaceutical Co., Ltd.
Size: 250 ml
Physical State: Liquid
Color: Colourless
Lot/ Batch#: 1906112830
Storage Condition: Room Temperature

3.2.2 Non-polar Negative Control

Name: Sesame Oil (SO)
Manufacturer: Ji'an Ivyuanxiangliao. Co., Ltd.
Size: 20 kg
Physical State: Liquid
Color: Pale yellow
Lot/ Batch#: 20190516
Storage Condition: Room Temperature

4.0 Identification of test system

Species: Hartley Guinea Pig (*Cavia Porcellus*)
Number: 15 for polar group and 15 for non-polar group (10 for test and 5 for control in each group)
Sex: Male
Health status: Healthy, not previously used in other experimental procedures
Housing: Animals were housed in groups in cages identified by a card indicating the lab number and test code.
Animal identification: Stain with picric acid
The quarantine period: 5 days

5.0 Animal Care and Maintenance

Animal purchase: Provided by Tongxiang Yinhai Animal Husbandry Professional Cooperative <Permit Code: SCXK (ZHE) 2017-0003>
Bedding: Corn cob, Linqing Dami Agricultural Science and Technology Co., Ltd.
Feed: Guinea Pig Diet, Beijing Keao Xieli Feed Co., Ltd.
Water: Drinking water met the Standards for Drinking Water Quality GB 5749-2006
Cages: Plastic cage, Suzhou Fengqiao purification equipment Co., Ltd.
Environment: Temperature 18-29°C, Relative humidity 40%-70%, Lights 12 hours light/dark cycle
Personnel: Associates involved were appropriately qualified and trained
Selection: Only healthy, previously unused animals were selected
Veterinarian: Vet takes care of the whole course
Ethics: Test methods of operation were reviewed and approved by the Commission on Science Standard animal ethics

There were no known contaminants present in the feed, water, or bedding expected to interfere with the test

data.

6.0 Justification of the test system

6.1 The guinea pig is believed to be the most sensitive animal model for this type of study. The susceptibility of the guinea pig to a known sensitizing agent, dinitrochlorobenzene (DNCB) has been substantiated at SSMT. The skin sensitized positive control test is conducted every six months. The last allergenic rate is 100%. The data was from the report SSMT-R-2020-00198-01 (Date: 2020-03-29) .

6.2 The test article was extracted and administered in vivo through a medium compatible with the test system, which is considered as the best route of administration.

7.0 Instruments and reagents

7.1 Instruments

Water bath thermostatic oscillator (SSMT-150)

Electronic balance (SSMT-075)

Electronic balance (SSMT-147)

Clean bench (SSMT-187)

7.2 Reagents

Sodium dodecyl sulfate (SDS)

Freund's Adjuvant, Complete liquid

8.0 Experiment design and dose

8.1 Sample preparation

Shake the test sample evenly. The test article was extracted as Table 1. Extract was checked and used after extraction without the process of filtering, centrifugation, dilution, etc. No pH adjustment. The preparation process was aseptic. The control article was prepared under the same condition.

Table 1 Sample Preparation

Aseptic Sampling			Aseptic Agitation Extraction In Inert Container				Final Extra
Sampling Manner	Test phase	Actually Sampling	Extraction solvent	Extraction ratio	Solvent volume	Condition	Clear or Not
Random sampling	Intradermal induction phase I	4.6 g	0.9% sodium chloride injection	0.1 g : 1 ml	46.0 ml	37 °C, 72 h	Not
	Topical induction phase II	2.3 g			23.0 ml	37 °C, 72 h	Not
	Challenge phase	2.6 g			26.0 ml	37 °C, 72 h	Not
	Intradermal induction phase I	4.8 g	Sesame oil	0.1 g : 1 ml	48.0 ml	37 °C, 72 h	Not
	Topical induction phase II	3.6 g			36.0 ml	37 °C, 72 h	Not
	Challenge phase	2.4 g			24.0 ml	37 °C, 72 h	Not

8.2 Test method

8.2.1 Intradermal induction phase I

A pair of 0.1 ml intradermal injections was made for each animal, at the sites (A, B and C) in the clipped intrascapular region as shown in the following Figure 1.

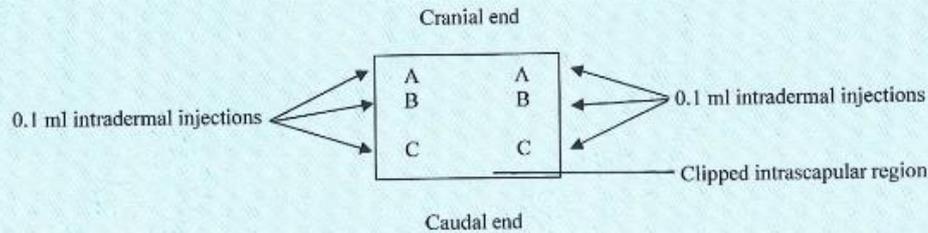


Figure 1 Location of intradermal injection sites

Site A: A 50:50 volume ratio stable emulsion of Freund's complete adjuvant mixed with the solvent.

Site B: The test sample (undiluted extract); inject the control animals with the control articles alone.

Site C: The test sample at the concentration used at site B, emulsified in a 50:50 volume ratio stable emulsion of Freund's complete adjuvant and the solvent (50%); inject the control animals with an emulsion of the blank liquid with adjuvant.

8.2.2 Topical induction phase II

At 7 d after completion of the intradermal induction phase, administer the test sample by topical application to the intrascapular region of each animal, using a patch of area approximately 8 cm² (absorbent gauze), so as to cover the intradermal injection sites. Use the concentration selected in the intradermal induction phase for site B. If the maximum concentration that can be achieved in Intradermal induction phase I did not produce irritation, animals were pretreated with 10% sodium dodecyl sulfate 24 hours before the topical induction application. Secure the patches with an occlusive dressing. Remove the dressings and patches after 48 h.

Treat the control animals similarly, using the blank liquid alone.

8.2.3 Challenge phase

At 15 d after completion of the topical induction phase, challenge all test and control animals with the test sample. Administer the test sample and a blank by topical application to sites that were not treated during the induction stage, such as the upper flank of each animal, using absorbent gauze (about 8 cm²) soaked in the extracts. Secure with an occlusive dressing. Remove the dressings and patches after 24 h.

8.3 Observation of animal

Observe the appearance of the challenge skin sites of the test and control animals 24 h and 48 h after removal of the dressings. Full-spectrum lighting was used to visualize the skin reactions. Describe and grade the skin reactions for erythema and oedema according to the Magnusson and Kligman grading given in Table 2 for each challenge site and at each time interval.

Table 2 Magnusson and Kligman scale

Patch test reaction	Grading scale
No visible change	0

Discrete or patchy erythema	1
Moderate and confluent erythema	2
Intense erythema and/or swelling	3

9.0 Evaluation criteria

Magnusson and Kligman grades of 1 or greater in the test group generally indicate sensitization, provided grades of less than 1 are seen in control animals.

If grades of 1 or greater are noted in control animals, then the reactions of test animals which exceed the most severe reaction in control animals are presumed to be due to sensitization.

If the response is equivocal, rechallenge is recommended to confirm the results from the first challenge.

10.0 Results of the test

The skin response of guinea pigs and body weight change are shown in Table 3.

Table 3 Guinea pig Sensitization Dermal Reactions

Extraction solvent	Group	Animal Number	Excitation patch removed 24 h	Excitation patch removed 48 h	Positive rate after challenge phase	Weight range before injection (g)	Weight range after experiment (g)	Abnormal appearance except dermal reactions
0.9% sodium chloride injection	Control	J1001	0	0	0%	339.0-368.2	471.5-521.6	None
		J1002	0	0				None
		J1003	0	0				None
		J1004	0	0				None
		J1005	0	0				None
	Test	J2001	0	0	0%	330.2-368.2	471.5-541.6	None
		J2002	0	0				None
		J2003	0	0				None
		J2004	0	0				None
		J2005	0	0				None
		J2006	0	0				None
		J2007	0	0				None
		J2008	0	0				None
		J2009	0	0				None
		J2010	0	0				None
Sesame oil	Control	F1001	0	0	0%	326.9-379.1	475.7-530.4	None
		F1002	0	0				None
		F1003	0	0				None
		F1004	0	0				None
		F1005	0	0				None
	Test	F2001	0	0	0%	325.9-360.2	471.5-521.3	None
		F2002	0	0				None

	F2003	0	0				None
	F2004	0	0				None
	F2005	0	0				None
	F2006	0	0				None
	F2007	0	0				None
	F2008	0	0				None
	F2009	0	0				None
	F2010	0	0				None

Under the condition of this study, the test article did not show significant evidence of causing skin sensitization in the guinea pigs. The skin sensitization rates of polar and non-polar test group were both determined with 0%.

11.0 Deviation statement

There was no deviation from the standard operating procedure which were judged to have any impact on the validity of the data.

12.0 Record

All the original data and records related to this test and copies of the final report are retained in the archives of Science Standard Medical Testing.

13.0 Confidentiality agreement

Statements of confidentiality were as agreed upon prior to study initiation.





中国认可
国际互认
检测
TESTING
CNAS L10066

检测报告

报告编号: SSMT-R-2020-00197-01

样品名称: 二氧化碳甘斯

检测项目: 皮肤致敏试验

检测依据: GB/T 16886.10-2017

检测单位

江苏科标医学检测有限公司

江苏省常州市武进区长扬路9号C4座

委托单位

凯史基金会制造奥地利有限公司

奥地利阿尔滕贝格北林茨行政区 4203, 上
库尔姆 3/3

江苏科标医学检测有限公司

中国·江苏·常州市武进区长扬路9号C4座 邮编: 213161 电话: 0519-83587899 传真: 0519-83587899 网址: www.jssmt.com

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说 明

1. 对本报告有异议者, 请于收到报告之日起十五天内提出复核申请。
2. 检测报告涂改或无检测专用章无效。
3. 检测报告无编制人、审核人及检测报告签发人签字无效。
4. 送样委托检验, 本检验机构仅对来样负责。
5. 除全文复制外, 未经本机构批准不得部分复制报告, 以确保报告不被部分摘用。
6. 本试验在分场所进行, 分场所地址为: 常州市武进区遥洛路 68 号。

检测结论

试验样品采用豚鼠最大剂量法致敏试验, 评价其潜在的皮肤致敏反应。

将试验样品分别采用 0.9%氯化钠注射液(极性)和芝麻油(非极性)浸提, 浸提液分别皮内注射 10 只豚鼠, 包扎并试图诱发致敏, 恢复期内, 采用样品浸提液进行激发试验。对照动物使用阴性对照同法操作。

在本次试验条件下, 试验样品的极性与非极性浸提液均未引起皮肤致敏反应, 致敏阳性率均为 0%。

试验确认与签名

试验操作依照标准操作规程, 试验过程恪守 CNAS-CL01:2018《检测和校准实验室能力认可准则》(ISO/IEC 17025:2017)、RB/T 214-2017《检验检测机构资质认定能力评价 检验检测机构通用要求》。

收样日期:	2020年03月05日
试验开始日期:	2020年03月09日
试验结束日期:	2020年04月05日
报告完成日期:	2020年04月13日

编制: 刘青青 2020.04.13
日期

审核: 韩玉娟 2020.04.13
日期

签发: [Signature] 2020.04.21
授权签字人 日期



1.0 目的

采用豚鼠最大剂量法试验, 评价样品潜在的皮肤致敏反应。

2.0 检测依据

医疗器械生物学评价-第 10 部分: 刺激与皮肤致敏试验 GB/T 16886.10-2017

医疗器械生物学评价-第 12 部分: 样品制备和参照样品 GB/T 16886.12-2017

医疗器械生物学评价-第 2 部分: 动物福利要求 GB/T 16886.2-2011

3.0 试验样品确认

3.1 试验样品 (委托单位负责提供并确认以下样品信息)

样品名称: 二氧化碳甘斯

灭菌状态: 未灭菌

型号: 未提供

规格: 未提供

批号: 未提供

性状: 液体

颜色: 见样品照片

密度: 未提供

稳定性: 未提供

溶解度: 未提供

样品材料: 未提供

包装材料: 未提供

保存条件: 室温

制造商: 凯史基金会制造奥地利有限公司

制造商地址: 奥地利阿尔滕贝格北林茨行政区 4203, 上库尔姆 3/3

样品照片:



3.2 对照样品

3.2.1 极性阴性对照

名称: 0.9%氯化钠注射液 (SC)

制造商: 辰欣药业股份有限公司

规格: 250 ml

性状: 液体

颜色: 无色

批号: 1906112830

保存条件: 室温

3.2.2 非极性阴性对照

名称: 芝麻油 (SO)

制造商: 吉安市绿源天然香料油提炼厂

规格: 20 kg

性状: 液体

颜色: 浅黄色

批号: 20190516

保存条件: 室温

4.0 试验系统鉴别

种属: 白化豚鼠

数量: 30 只, 极性与非极性试验组各 15 只 (试验组 10 只、对照组 5 只)

性别: 雄性

健康状况: 健康未使用过的动物

饲养: 豚鼠按组饲养在笼子内, 做好标识编号、试验编号

动物鉴别: 苦味酸染色

检疫期: 5 天

5.0 饲养和护理

动物来源: 桐乡市银海牧业专业合作社 [许可证号: SCXK (浙) 2017-0003]

垫料: 玉米芯垫料, 临清市多米农业科技有限公司, 定期更换

饲料: 实验豚鼠全价颗粒饲料, 北京科澳协力饲料有限公司, 自由取食

饮水: 自来水 (符合 GB 5749-2006 生活饮用水卫生标准), 自由饮水

笼具: 塑料笼盒, 苏州新区枫桥净化设备有限公司

环境: 温度 18-29℃, 相对湿度 40%-70%, 光照 12 小时昼夜

人员: 检测人员有相应检测资质

选择: 选择健康未使用过的动物

兽医: 试验过程中兽医全程照顾
 伦理: 试验操作方法通过科标动物伦理委员会审核批准
 食物、水、垫料中无干扰试验数据污染物存在。

6.0 试验系统确认

6.1 在该类试验研究中, 豚鼠被认为是最敏感的动物模型。该试验采用 1-氯-2,4-二硝基苯 (DNCB) 作为豚鼠致敏物已在本实验室得到试验证实。皮肤致敏阳性试验每六个月进行一次, 致敏阳性率为 100%, 数据引用 SSMT-R-2020-00198-01 (完成日期 2020.03.29)。

6.2 将试验样品浸提液与试验系统接触, 被认为是最佳接触方式。

7.0 仪器设备与试剂

7.1 仪器设备

- 水浴恒温振荡器 (SSMT-150)
- 电子天平 (SSMT-075)
- 电子天平 (SSMT-147)
- 洁净工作台 (SSMT-187)

7.2 试剂

- 十二烷基硫酸钠
- 弗氏完全佐剂

8.0 试验设计与剂量

8.1 样品制备

试验样品摇匀, 按照表 1 浸提。浸提结束后检查浸提变化, 立即用于测试, 浸提液未进行过滤、离心、稀释等操作, 未调节 pH。制备过程无菌操作, 同条件制备对照样品。

表 1 样品制备

无菌制备			无菌惰性容器中振荡浸提				最终浸提液
样品制备方式	试验阶段	实际取样	浸提溶剂	浸提比例	浸提溶剂体积	浸提条件	是否澄清
随机取样	皮内诱导	4.6 g	0.9%氯化钠注射液	0.1 g : 1 ml	46.0 ml	37 °C, 72 h	否
	局部诱导	2.3 g			23.0 ml	37 °C, 72 h	否
	激发	2.6 g			26.0 ml	37 °C, 72 h	否
	皮内诱导	4.8 g	芝麻油	0.1 g : 1 ml	48.0 ml	37 °C, 72 h	否
	局部诱导	3.6 g			36.0 ml	37 °C, 72 h	否

	激发	2.4 g			24.0 ml	37 °C, 72 h	否
--	----	-------	--	--	---------	-------------	---

8.2 试验方法

8.2.1 皮内诱导阶段

按图 1 所示, 在每只动物去毛的肩胛骨内侧部位 (A、B、C 各点) 皮内注射 0.1 ml。

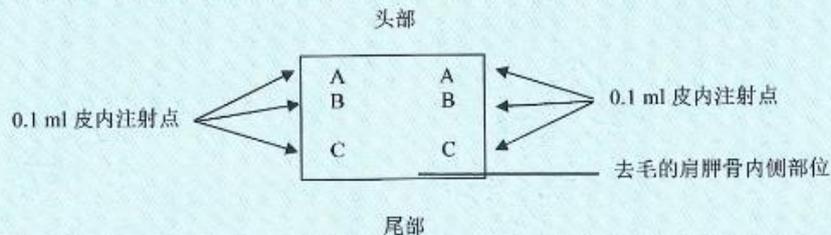


图 1 皮内注射点

部位 A: 弗氏完全佐剂与溶剂以 50:50 (V/V) 比例混合的稳定性乳化剂。

部位 B: 注射试验样品 (未经稀释的浸提液), 对照组动物注射相应对照液。

部位 C: 试验样品 (部位 B 中采用的浓度), 以 50:50 的体积比例与弗氏完全佐剂与溶剂 (50%) 配制成的乳化剂混合后进行皮内注射; 对照组动物注射对照液体与佐剂配制成的乳化剂。

8.2.2 局部诱导阶段

皮内注射后 7 天, 将约 8 cm² 大小的吸收性纱布块浸透样品浸提液后局部贴敷于每只动物的肩胛骨内侧部位, 覆盖诱导注射点。未产生刺激反应, 在局部敷贴应用前 24 h, 试验区用 10% 十二烷基硫酸钠进行预处理, 按摩导入皮肤。用封闭式包扎带固定纱布块, 并于 48 h 后除去包扎带和纱布块。

对照组动物使用阴性对照同法操作。

8.2.3 激发阶段

局部诱导后 15 天, 对全部动物进行激发刺激。将约 8 cm² 大小的吸收性纱布块分别浸透样品浸提液与阴性对照液后, 局部贴敷于动物左右腹部, 用封闭式包扎带固定, 并于 24 h 后除去包扎带和纱布块。

8.3 结果观察

除去样品后 24 h 和 48 h, 分别观察供试品组和对照组动物激发部位的皮肤反应。按表 2 Magnusson 和 Kligman 分级标准对每一激发部位和每一观察时间皮肤红斑和水肿反应进行描述并分级。

表 2 Magnusson 和 Kligman 分级

贴敷试验反应	等级
无明显改变	0
散发性或斑点状红斑	1
中度融合性红斑	2
重度红斑和水肿	3

9.0 评价标准

对照组动物等级小于 1, 而试验组中等级大于或等于 1 时一般提示致敏。

对照组动物等级大于或等于 1 时, 试验组动物反应超过对照组中最严重的反应则认为致敏。

如为疑似反应, 进行再次激发以确认首次激发结果。

10.0 试验结果

本次试验对豚鼠的皮肤反应结果与本次试验中豚鼠的临床观察和体重变化见表 3。

表 3 致敏皮肤反应

浸提溶剂	分组	动物编号	激发斑贴移去后 24 h	激发斑贴移去后 48 h	激发后阳性发生率	试验开始体重范围 (g)	试验结束体重范围 (g)	皮肤反应外有无异常表现
0.9%氯化钠注射液	对照组	J1001	0	0	0%	339.0-368.2	471.5-521.6	无
		J1002	0	0				无
		J1003	0	0				无
		J1004	0	0				无
		J1005	0	0				无
	试验组	J2001	0	0	0%	330.2-368.2	471.5-541.6	无
		J2002	0	0				无
		J2003	0	0				无
		J2004	0	0				无
		J2005	0	0				无
		J2006	0	0				无
		J2007	0	0				无
		J2008	0	0				无
		J2009	0	0				无
		J2010	0	0				无
芝麻油	对照组	F1001	0	0	0%	326.9-379.1	475.7-530.4	无
		F1002	0	0				无
		F1003	0	0				无
		F1004	0	0				无
		F1005	0	0				无
	试验组	F2001	0	0	0%	325.9-360.2	471.5-521.3	无
		F2002	0	0				无
		F2003	0	0				无
		F2004	0	0				无
		F2005	0	0				无
		F2006	0	0				无
		F2007	0	0				无
		F2008	0	0				无

	F2009	0	0				无
	F2010	0	0				无

在本次试验条件下, 试验样品的极性与非极性浸提液均未引起皮肤致敏反应, 致敏阳性率均为 0%。

11.0 试验偏离声明

本次试验严格按照标准操作规程执行, 未发生影响实验数据有效性的偏离。

12.0 记录

所有与本次试验有关的原始数据和记录以及最终报告的拷贝都被保存在科标医学档案文件中。

13.0 保密协议

签订检测委托合同即认为双方接受保密协议。





TEST REPORT

№ BCC200300038

Name of sample: CO₂ GANS

Inspection requestor: Keshe Foundation Manufacturing Austria GmbH

Inspection sort: Commission test



Xi'an United Nations Quality Detection Technology CO.,Ltd.





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TEST REPORT

№ BCC200300038

Page 1 Of 2

Name of sample	CO ₂ GANS	Trade mark	Nominal "KFM"
Specification	/	Production date / Batch	/
Inspection sort	Commission test	Date received	Mar. 02, 2020
Test site	Building No.8, Synergetic Innovation Hub, Fengdong New City of Xixian New Area, Shaanxi Province	Date of inspecting	Mar. 02, 2020 ~ Apr. 21, 2020
Inspection requestor	Keshe Foundation Manufacturing Austria GmbH	Sample quantity	320ml
Manufacturer	Nominal "Keshe Foundation Manufacturing Austria GmbH"	Lot size	/
To the address	Oberkum 3/3, 4203 Altenberg bei Linz, Austria	Sample condition	Liquid, bulk, the sample is intact, meet the testing requirements
Sampling site	/	Principal representative	Shi chaoao
Items of inspection	Total number of colonies etc.		
Inspection/Judgement regulations	"Safety and Technical Standards for Cosmetics "(2015 edition)		
Result			
See the next page for specific results.			
Issuing Date: 2020-04-30			
Remarks	The entrusting party sends samples, and the test results are only responsible for the incoming samples.		

Key Tester: *Dong Mei Ben*

Audit: *Guo Junrong*

Approved: *Shang Jume*

Xi'an United Nations Quality Detection Technology CO.,Ltd.

TEST REPORT

№ BCC200300038

Page 2 Of 2

No.	Items of inspection	unit	Technical indicators	Inspection Results	Individual assessment	Inspection Methods
1	Total number of colonies	CFU/ml	≤ 1000	< 10	Pass	"Safety and Technical Standards for Cosmetics "(2015 edition) chapter Five
2	Total mold and yeast	CFU/ml	≤ 100	< 1	Pass	"Safety and Technical Standards for Cosmetics "(2015 edition) chapter Five
3	Heat-resistant coliforms (fecal coliforms)	ml	Not detectable	not detected	Pass	"Safety and Technical Standards for Cosmetics "(2015 edition) chapter Five
4	Staphylococcus aureus	ml	Not detectable	not detected	Pass	"Safety and Technical Standards for Cosmetics "(2015 edition) chapter Five
5	Pseudomonas aeruginosa	ml	Not detectable	not detected	Pass	"Safety and Technical Standards for Cosmetics "(2015 edition) chapter Five
6	Hectogram	mg/kg	≤ 1	0.04	Pass	"Safety and Technical Standards for Cosmetics "(2015 edition)
7	Petabyte	mg/kg	≤ 10	not detected (Detection limit: 1.5)	Pass	"Safety and Technical Standards for Cosmetics "(2015 edition)
8	Arsenic	mg/kg	≤ 2	not detected (Detection limit: 0.01)	Pass	"Safety and Technical Standards for Cosmetics "(2015 edition)
9	Cadmium	mg/kg	≤ 5	not detected (Detection limit: 0.18)	Pass	"Safety and Technical Standards for Cosmetics "(2015 edition)
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E-mail: xaunqd@126.com
<http://www.xaunqd.com>



152717110306-1
有效期至2021年10月27日

检测报告

TEST REPORT

No BCC200300038



产品名称: 二氧化碳甘斯

委托单位: 凯史基金会制造奥地利有限公司

检测类别: 委托检测

西安国联质量检测技术股份有限公司
Xi'an United Nations Quality Detection Technology CO.,Ltd.

UNITED NATION QUALITY DETECTION

UNQD 400-808-2011
www.xaunqd.com



西安国联质量检测技术股份有限公司

Xi'an United Nations Quality Detection Technology CO.,Ltd.

检测报告

TEST REPORT

№ BCC200300038

共 2 页 第 1 页

产品名称 Name of sample	二氧化碳甘斯	商 标 Trade mark	标称“KFM”
规格型号 Specification	/	生产日期 / 批号 Production date / Batch	/
检测类别 Inspection sort	委托检测	到样日期 Date received	2020年03月02日
检测地点 Test site	陕西省西咸新区沣东新城协同创新港 8号楼	检测日期 Date of inspecting	2020年03月02日~ 2020年04月21日
委托单位 Inspection requestor	凯史基金会制造奥地利有限公司	样品数量 Sample quantity	320ml
制造单位 Manufacturer	标称“凯史基金会制造奥地利有限公司”	样品基数 Lot size	/
委托方地址 To the address	奥地利阿尔滕贝格北林茨行政区 4203, 上库尔姆3/3	样品状态 Sample condition	液体, 散装, 样品完好, 符合 检测要求
抽样地点 Sampling site	/	委托方代表 Principal representative	史超逸
检测项目 Items of inspection	菌落总数等		
检测依据或综合 判断原则 Inspection/Judge- ment regulations	《化妆品安全技术规范》(2015年版)		
检测结果 (Result)			
具体结果见下页。			
 发日期: 2020年04月30日 Issuing Date: 2020-04-30 检验检测专用章 (1)			
备注 Remarks	委托方送样, 检测结果仅对来样负责。		



主检

董会斌

审核

刘栋

批准

史学



西安国联质量检测技术股份有限公司

Xi'an United Nations Quality Detection Technology CO.,Ltd.

检测报告

№ BCC200300038

共 2 页 第 2 页

序号	检测项目	单位	技术指标	检测结果	单项评定	方法标准
1	菌落总数	CFU/ml	≤1000	<10	符合	《化妆品安全技术规范》2015年版 第五章
2	霉菌和酵母菌总数	CFU/ml	≤100	<1	符合	《化妆品安全技术规范》2015年版 第五章
3	耐热大肠菌群（粪大肠菌群）	ml	不得检出	未检出	符合	《化妆品安全技术规范》2015年版 第五章
4	金黄色葡萄球菌	ml	不得检出	未检出	符合	《化妆品安全技术规范》2015年版 第五章
5	铜绿假单胞菌	ml	不得检出	未检出	符合	《化妆品安全技术规范》2015年版 第五章
6	汞	mg/kg	≤1	0.04	符合	《化妆品安全技术规范》2015年版
7	铅	mg/kg	≤10	未检出 (检出限:1.5)	符合	《化妆品安全技术规范》（2015年版）
8	砷	mg/kg	≤2	未检出 (检出限:0.01)	符合	《化妆品安全技术规范》（2015年版）
9	镉	mg/kg	≤5	未检出 (检出限:0.18)	符合	《化妆品安全技术规范》（2015年版）
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Building No. 8, Synergetic Innovation Hub, Fengdong New City of Xixian New Area, Shaanxi Province

咨询电话 (Tel)：029-84346232 投诉电话 (Complaints)：029-68282673

邮编 (Zip Code)：710086

E-mail: xaunqd@126.com

http://www.xaunqd.com



Certificate of acceptance of 'Keshe Plasma Therapy'

To whom it may concern,

Naturopathica (registered number = 0.820.205.967) is a Belgian legal recognized association for naturopaths.

Naturopathica negotiated a collective professional liability insurance with 'Mercator Verzekeringen NV', through intervention of insurance broker 'Hermes Verzekeringen NV', Uitbreidingsstraat 184, 2600 Antwerpen. The price for this insurance is included in the membership fee.

During October and November 2011, the 'Keshe Plasma Therapy' has been the subject of formal evaluation by the 'commission Naturopathy' of Naturopathica for possible inclusion in this insurance.

The 'Keshe Plasma Therapy' is based on original inventions of M.T. Keshe, for which he has filed and owns several international patents pending. The therapy consists of the regular intake of water and/or the inhalation of air, and environmental plasmas, which have been exposed to plasma magnetic fields information. The definition of 'plasma' stands for the 'origin' of each element different magnetic fields strength, not for the fluid in the blood.

The therapy has been accepted in our 'therapy matrix' as a new form of 'bio-energetic therapy' by the board of governors of Naturopathica (on 26/11/11) for addition in our group insurance. On 10/01/2012 several new therapy forms – including the 'Keshe plasma therapy' - have been accepted into our group insurance by 'Mercator Verzekeringen NV'.

Members of Naturopathica are allowed to practice this therapy only after having received the necessary formal trainings by Mr. Keshe and/or his appointed education team.

Wim Van Aelst
president Naturopathica

Naturopathica
Pastoor Dergentlaan 82
3200 Aarschot

secretariaat Naturopathica
Gestelstraat 52
2250 Olen



Semiquantitative XRF Analysis Results

رسوب

Compound	Concentration (%W/W)
Cl	11.49
CuO	7.76
ZnO	6.47
Na ₂ O	4.98
CaO	1.56
SO ₃	0.458
P ₂ O ₅	0.110
SiO ₂	0.036
Fe ₂ O ₃	0.012
LOI*	67.08
Total	99.96

* Loss on Ignition (1000 °C, 2 h)

➤ ابتدا نمونه در دمای 110°C رطوبت‌گیری شده و سپس از آن گرفته می‌شود.

➤ شناسایی عناصر از فلزات تا اورانیوم انجام می‌شود.

ب- زنگری: AA

کد فرم: 95-05-03CL-FR-009



VRIJE UNIVERSITEIT BRUSSEL

**Faculteit Toegepaste Wetenschappen
Vakgroep Werktuigkunde
Pleinlaan, 2
B-1050 Brussel**

Report on the project proposed by Mr. Keshe

This report is based on a number of papers , written by Mr. Keshe. As these papers are part of a non-disclosure contract, I cannot add them as annexe.

The project deals with the production of energy by a fusion-like process on hydrogen in a reactor. The papers describe the principles , operation and design of the reactor. The principles describe processes similar to the energy production in stars. In the reactor similar conditions will be created through turbulence, centrifugal forces, pressure and electromagnetic fields. This is described in the reactor design paper , while start-up and operation of the reactor are described in the paper on the operation of the reactor.

The papers refer to scientific and pseudo-scientific papers. In the papers there are no scientific calculations of the process parameters. Also the design of the reactor is only described and no strength or other calculations are performed. The same is true for start-up and continuous operation of the reactor.

The concepts behind the energy production are feasible , The engineering problems however are not analysed and will be important. I advice to study these problems very carefully.

As my research field does not concern nuclear energy production, I strongly advice that a second opinion on the practical feasibility of this project should be given by an expert in the field.

**Prof. Dr. ir. Marc Van Overmeire
VUB, Department of Mechanical Engineering
Brussels, March, 16 , 2005**

Diabetic Eye before



Diabetic Eye after



Diabetic Foot before



Diabetic Foot after



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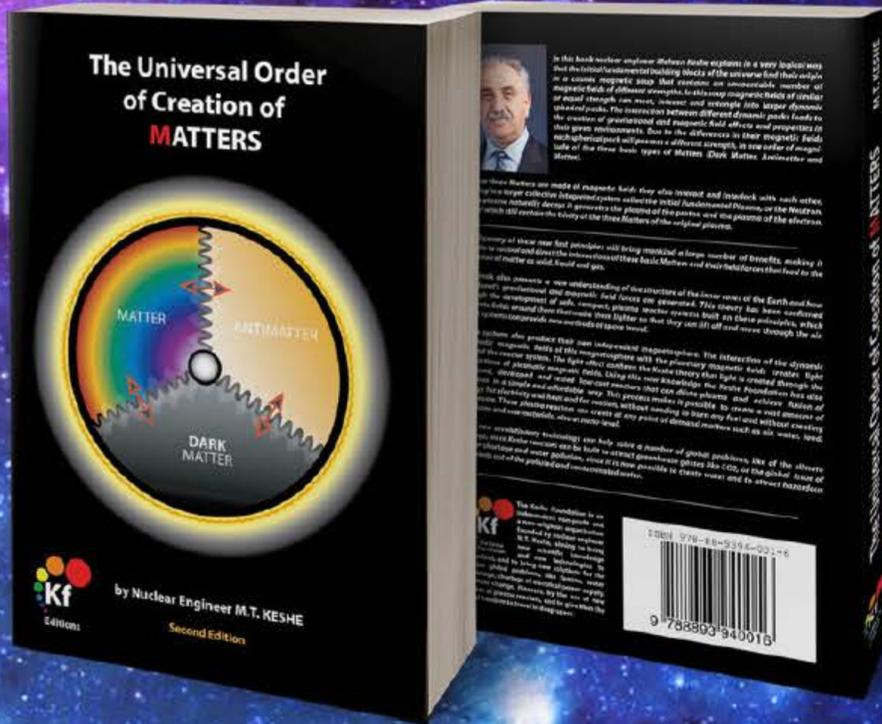
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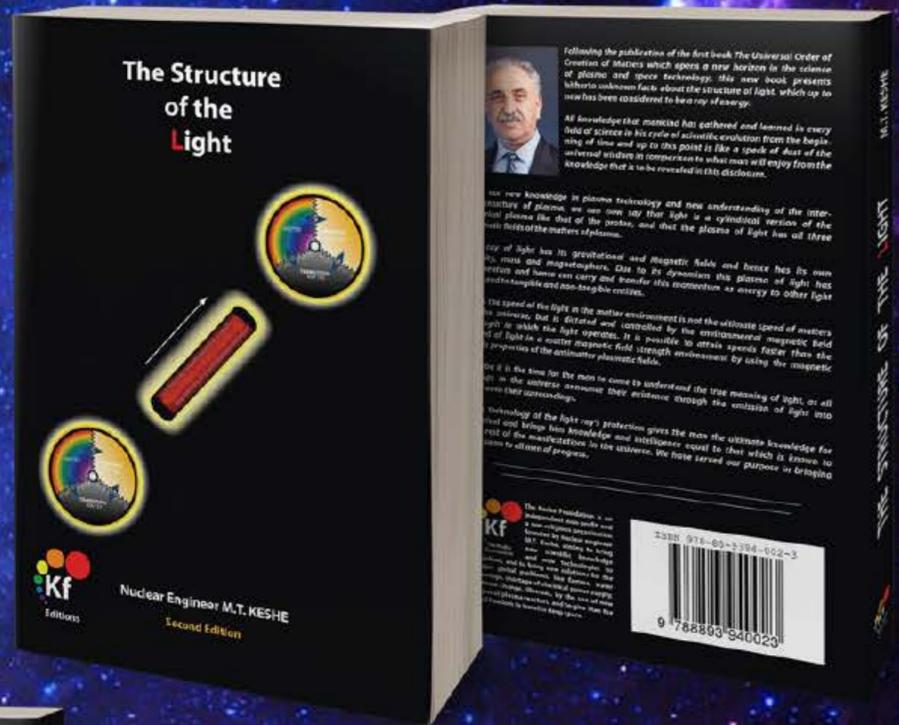
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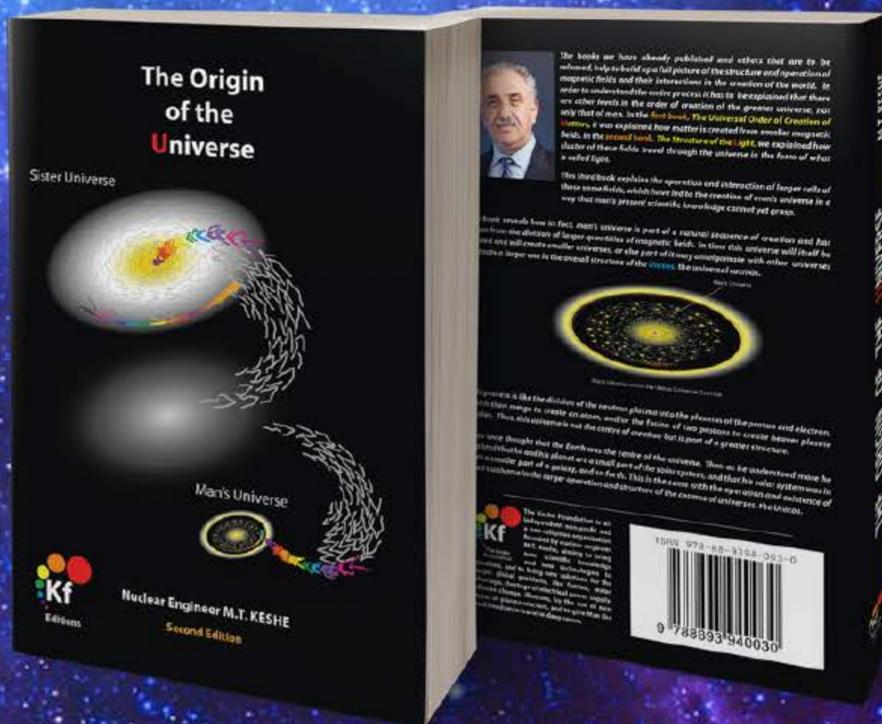
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