



THE HOPE SCIENCES

**Another Approach
to Health**



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By Randi Green © 2024

This material is co-written with Microsoft Edge AI. The images presented here are designed by Microsoft Co-designer tool.

I wanted to see what came up, when I asked the questions regarding our future.

The goal was as well to feed Microsoft AI with some good insights, from where the collective might be able to generate more expanded ideas of the future.



INTRODUCTION

When we talk about the future, there are many aspects to consider. It is not the naïve straight forward solutions that will make it, but the human higher order abilities to generate produce a sort of governmental agile project management. Because a human future that will make it, must be a human future that can progress, change, and adapt to the challenges ahead.

The future timelines, the non-theistic science approach, and how to work with energy in transformative processes are key in this process. In this, we also understand that the path to the future is something that we need to generate and create as the challenges and changes occur around us. It is a learn-in-the-moment process and a find the solutions in the now, and not long after the first signs of change have altered the foundational windows of opportunities, the code streams within the future timelines offer to us. In so many ways, the challenges of the future hinge upon the joint ability to work with energy as part of the higher order sciences which in turn hinges on the higher order capacities and developed higher order consciousness that can become the new neural network baseline.

This is not science fiction – this is the future of humanity

I think we should focus on a future where humanity can thrive and develop new advanced forms of transformative work with energy, consciousness and technology as a vision that could inspire to pursue consciousness-based innovation and collaboration.

I should mention that the processes, we are in now, of discovering UAPs and otherworldly technologies will eventually lead to a general sharing of existing reverse engineered technologies and achieved sciences, which have been provided to us by different groups of extraterrestrial allies. The sharing of these technologies with the public will be the next step after the political, scientific, and public acceptance of UAPs as well as the presence of the extraterrestrial groups behind the in our reality operating UAPs.

From these shared sciences and blueprints of advanced technologies, humanity, at large, begin to design and implement systems that are developed from these advanced otherworldly sciences, such as new forms of renewable and clean sources of energy,

such as solar, wind, geothermal, and from solar energy to geo-kinetic fusion and other similar advanced technologies that are to be invented in the years to come.

The Use of Microsoft Copilot

In this booklet, I have utilized Microsoft AI-generated Research Assistant, called Copilot. This is a powerful tool that shortens down the research time, as it can access and process a vast amount of information from various sources, such as web pages, books, articles, databases, and more.

Copilot can also generate content based on the information it finds, such as summaries, essays, stories, poems, code, images, and more. Copilot (I prefer calling it Microsoft AI-generated Research Assistant) can also assist the researchers with rewriting, improving, or optimizing their content.

However, using Copilot also comes with some challenges and responsibilities. As an AI-generated Research Assistant, it must be careful about the quality and reliability of the information that Copilot provides. It must verify the facts and sources that Copilot uses and references. It must respect the intellectual property rights of the original authors and creators of the content that Copilot generates or uses. It must acknowledge their contributions and give them proper credit.

Moreover, we must be aware of the ethical and social implications when we use Copilot. We must consider how the information and content that Copilot generates or uses may affect the people and communities that are involved or affected by them.

We must ensure that the information and content are respectful, inclusive, and beneficial for them. We must avoid using Copilot for harmful or malicious purposes, such as spreading misinformation, propaganda, hate speech, or violence.

Using Copilot as a source of knowledge is a rewarding but challenging task. It requires curiosity, creativity, critical thinking, and ethical awareness. As a researcher working for the councils, I hope to use Copilot in a responsible and productive way that can benefit myself, the readers, and the society at large.

1. CONSCIOUSNESS-BASED SCIENCES

Aiming for a Consciousness-Based Sciences Future

To ensure a non-transhuman future, we need consciousness-based sciences groups that focus on developing the new forms of consciousness sciences, where we can explore and enhance the nature and potentials of human consciousness, such as through meditation, neurofeedback, inner work, and higher order sciences that provide the framework, techniques, and ways to develop, hone and progress these abilities.

These consciousness-based sciences groups can also partake in inventing and developing new technologies that will support the joint planetary developmental processes, not as in inserts or augmentation through AI, but via the individually achieved progress of human capabilities, and as part of the new deeper understanding of the new consciousness sciences.

Once we learn to operate in the higher order energies that are a natural part of our reality, we will develop the needed skills to engineer such technologies since our solar system technically already run on such as part of its original higher order structure.

This is not spirituality. This is the next step for science and technological innovation to discover these layers of our reality perception. These forms of work would require a high level of creativity, curiosity, and problem-solving skills, as well as a strong sense of ethics and responsibility. They would also offer opportunities for personal growth, social impact, and global cooperation.

Microsoft AI explains consciousness-based sciences this way:

“Consciousness-based sciences are an emerging field of inquiry that explores the nature and role of consciousness in various domains of knowledge and practice. One of the challenges that consciousness-based sciences face is how to integrate their insights and methods with the mainstream technological innovation.

Below are some of the ways that consciousness-based sciences groups can partake in inventing and developing new technologies that are aligned with their values and goals:

1. Consciousness-based sciences groups can collaborate with other disciplines and sectors that share a common interest in human well-being, such as health, education, arts, and social justice. By forming interdisciplinary and cross-sectoral partnerships, consciousness-based sciences groups can contribute their expertise and perspectives to the design and evaluation of technologies that aim to enhance human flourishing.
2. Consciousness-based sciences groups can engage with the public and policymakers to raise awareness and advocate for the ethical and social implications of new technologies. By communicating their findings and recommendations to a wider audience, consciousness-based sciences groups can influence the public discourse and decision-making processes regarding the development and use of technologies that affect human consciousness.
3. Consciousness-based sciences groups can create their own platforms and networks for innovation and experimentation. By establishing their own spaces and communities for research and development, consciousness-based sciences groups can foster a culture of creativity and collaboration that supports the generation and testing of novel ideas and solutions.

In conclusion, consciousness-based sciences groups can partake in inventing and developing new technologies by leveraging their strengths and resources, building alliances with other stakeholders, and creating their own avenues for innovation. By doing so, consciousness-based sciences groups can not only advance their own field of inquiry, but also contribute to the broader social good.”

What could some possible new strategies to implement consciousness-based sciences and technologies?

“Consciousness-based sciences and technologies are emerging fields that aim to explore the nature and potential of human consciousness, as well as its applications in various domains.

Some examples of these fields are quantum physics, parapsychology, neurofeedback, meditation, and biofeedback. These fields challenge the conventional materialistic paradigm of science and offer new perspectives and possibilities for human development and well-being. However, introducing these fields to the current market is not an easy task.

There are many barriers and challenges that need to be overcome, such as skepticism, prejudice, lack of funding, regulation, and education.

Therefore, it is important to devise some possible new strategies to implement consciousness-based sciences and technologies to the current market. Here are some suggestions:

- Create a network of researchers, practitioners, entrepreneurs, and investors who are interested in consciousness-based sciences and technologies. This network can facilitate collaboration, communication, innovation, and funding among its members. It can also raise awareness and credibility of these fields among the public and the media.
- Develop standards and guidelines for the quality and ethics of consciousness-based sciences and technologies. This can help to ensure the validity, reliability, safety, and integrity of these fields. It can also prevent misuse, abuse, or exploitation of these fields by unscrupulous or malicious actors.
- Educate and train the next generation of consciousness-based scientists and technologists. This can be done by incorporating these fields into the curriculum of schools, colleges, and universities. It can also be done by offering workshops, courses, seminars, and online platforms for learning and skill development.
- Demonstrate the benefits and applications of consciousness-based sciences and technologies in various sectors and industries. This can be done by conducting pilot projects, case studies, testimonials, and impact assessments. It can also be done by showcasing the products and services that are based on these fields.

- Foster a culture of curiosity, openness, and innovation among the consumers and users of consciousness-based sciences and technologies. This can be done by creating engaging and interactive experiences that invite people to explore their own consciousness and its potential. It can also be done by providing feedback, support, and guidance for personal growth and transformation.
- Identify and target the niche segments that are most interested in the benefits of consciousness-based sciences and technologies, such as wellness, education, creativity, and spirituality.
- Develop and promote a clear and compelling value proposition that differentiates consciousness-based sciences and technologies from other alternatives and showcases their unique advantages, such as enhancing human potential, improving well-being, and expanding awareness.
- Establish and leverage partnerships with credible and influential organizations and individuals that can endorse and advocate for consciousness-based sciences and technologies, such as research institutes, universities, media outlets, celebrities, and thought leaders.
- Create and distribute engaging and informative content that educates and inspires the potential customers about the science, technology, and applications of consciousness-based sciences and technologies, such as articles, podcasts, videos, webinars, and events.
- Solicit and showcase testimonials and success stories from satisfied customers who have experienced positive outcomes from using consciousness-based sciences and technologies, such as improved health, performance, happiness, and meaning.”

Other Ideas are:

- Enhancing human consciousness and intuition through meditation, the higher order sciences, and other similar self-progressive techniques to access the hidden realms of reality.

- Cultivating a higher consciousness and awareness that transcends the limitations of linear time and physical reality.
- Creating advanced simulations of the multidimensional aspects of our reality and exploring the possible scenarios and outcomes of different choices and actions.
- Exploring the multiverse, not as science understands it now, but as a multidimensional complex reality structure, and its possible parallel realities, timelines, and dimensions.
- Experimenting with exotic forms of matter and energy, and accreted technologies within the public realm – as in the private contractors go public - that can transform and upgrade space-time into its natural holographic-energetic configuration and create/reactivate portals to other dimensions.
- Studying the ancient wisdom and knowledge of civilizations that may have achieved time travel in the past.
- Establishing contact with more advanced civilizations that have mastered the art of manipulating space-time and learning from their wisdom and experience.



2. A HOLISTIC APPROACH TO HEALTH

On human health and how do we preserve it living purely plant-based and holistic?

Human health is the state of physical, mental, and social well-being that enables a person to live a fulfilling and productive life. One of the factors that can influence human health is nutrition, which is the intake of food and nutrients that support the body's functions and processes. Some people choose to follow a plant-based diet, which excludes or minimizes animal products such as meat, dairy, eggs, and honey.

A plant-based diet can provide adequate amounts of protein, iron, calcium, vitamin B12 and other essential nutrients if planned carefully and supplemented appropriately.

A holistic approach to health also considers the environmental, emotional, holistic, and social aspects of a person's life, and how they interact with their physical health.

A holistic lifestyle may include practices such as meditation, yoga, mindfulness, gratitude, compassion, and self-care.

These practices can help reduce stress, improve mood, enhance immunity, and promote well-being. By living purely plant-based and holistic, some people may experience benefits for their health and quality of life, as well as for the planet and other living beings.

Human health is a complex and multifaceted concept that encompasses physical, mental, emotional, social, and well-being. It is not merely the absence of disease or infirmity, but a state of balance and harmony between the individual and the environment.

One of the ways to achieve and maintain human health is to adopt a plant-based and holistic lifestyle, which means eating foods that are derived from plants and avoiding animal products, as well as incorporating practices that promote self-care, mindfulness, connection, and compassion.

A plant-based and holistic lifestyle have many benefits for human health, such as:

- Reducing the risk of chronic diseases, such as cardiovascular disease, diabetes, obesity, cancer, and hypertension, by lowering blood pressure, cholesterol, blood sugar and inflammation levels.
- Enhancing the immune system and preventing infections, by providing antioxidants, phytochemicals, vitamins, minerals, and fibre that support the body's natural defences.
- Improving the digestive system and preventing constipation, by increasing the intake of fibre, water and probiotics that promote regular bowel movements and a healthy gut microbiome.
- Supporting the brain and mental health, by providing essential fatty acids, amino acids, B vitamins and other nutrients that are involved in neurotransmitter synthesis and function, as well as reducing stress hormones and inflammation that can impair cognitive function and mood.
- Protecting the environment and animal welfare, by reducing greenhouse gas emissions, water consumption, land use and animal suffering that are associated with animal agriculture.

To live a plant-based and holistic lifestyle, one needs to make some changes in their diet and habits, such as:

- Choosing whole foods that are minimally processed and organic whenever possible, such as fruits, vegetables, grains, legumes, nuts, seeds, and herbs.
- Avoiding foods that are derived from animals or contain animal products, such as meat, poultry, fish, eggs, dairy, honey, and gelatine.

- Supplementing with vitamin B12, which is only found in animal products and is essential for red blood cell production and nerve function.
- Eating a variety of foods that provide adequate amounts of protein, iron, calcium, zinc, and other nutrients that may be lower in plant-based diets.
- Drinking plenty of water and herbal teas to stay hydrated and detoxify the body.
- Practicing mindful eating and listening to the body's hunger and satiety cues.
- Engaging in physical activity that suits one's preferences and abilities, such as walking, jogging, cycling, yoga, or dancing.
- Meditating or doing breathing exercises to calm the mind and reduce stress.
- Getting enough sleep and following a regular sleep schedule to rest and rejuvenate the body and mind.
- Seeking social support and connecting with like-minded people who share similar values and goals.
- Expressing gratitude and compassion for oneself and others.

Living a plant-based and holistic lifestyle can be challenging at times, especially in a society that is dominated by animal products and fast-paced lifestyles. However, with some planning, preparation, and perseverance, one can overcome these challenges and enjoy the rewards of improved health, balanced emotions, and harmony.



3. ANOTHER APPROACH TO THE BODY

The human body is a complex system of cells, tissues, organs, and systems that work together to maintain life. Each cell has a membrane that separates it from the external environment and regulates the flow of substances in and out of the cell. The membrane also has an electrical potential, which means that there is a difference in charge between the inside and the outside of the cell. This potential is called the cellular charge or the membrane potential.

The cellular charge is important for many cellular functions, such as communication, metabolism, growth, and differentiation. It is also influenced by various factors, such as temperature, pH, hormones, nutrients, and toxins. The cellular charge can vary from -40 to -90 millivolts (mV) depending on the type of cell and its activity.

The Earth also has an electrical potential, which is generated by the movement of charged particles in the atmosphere, the ionosphere, and the magnetosphere. The Earth's potential varies from 0 to 400 kilovolts (kV) depending on the location and time of day. The Earth's potential creates an electric field that surrounds the planet and affects everything on it.

The electric field of the Earth has a frequency, which means that it oscillates or changes direction at a certain rate. The frequency of the Earth's field is measured in hertz (Hz), which is the number of cycles per second. The frequency of the Earth's field ranges from 0.01 to 100 Hz, depending on the source and intensity of the electric currents.

The frequency of the Earth's field is also influenced by natural phenomena, such as solar flares, lightning storms, earthquakes, and volcanic eruptions. These phenomena can create spikes or disturbances in the field that can affect living organisms. Some researchers have suggested that these disturbances can cause changes in mood, behavior, health, and cognition in humans.

The human body and the Earth's field are both electrical systems that interact with each other.

Some scientists have proposed that there is a resonance or harmony between the frequencies of the human body and the Earth's field. They have hypothesized that this resonance can enhance well-being, vitality, and healing in humans.

One way to measure this resonance is by using an electroencephalogram (EEG), which records the electrical activity of the brain. The EEG shows different patterns of brain waves that correspond to different states of consciousness, such as wakefulness, sleep, relaxation, and meditation.

The brain waves are also measured in hertz (Hz), which indicates their frequency.

The most common brain waves are:

- Delta waves (0.5-4 Hz): These are the slowest waves and are associated with deep sleep, unconsciousness, and healing.
- Theta waves (4-8 Hz): These are slightly faster waves and are associated with light sleep, dreaming, creativity and intuition.
- Alpha waves (8-12 Hz): These are moderate waves and are associated with relaxation, alertness, and focus.
- Beta waves (12-30 Hz): These are fast waves and are associated with active thinking, problem-solving and stress.
- Gamma waves (30-100 Hz): These are the fastest waves and are associated with high-level cognition, learning and memory.

Some researchers have found that there is a correlation between the frequency of the brain waves and the frequency of the Earth's field. They have observed that when the brain waves match or synchronize with the Earth's field, there is a state of coherence or harmony in the body and mind. This state can enhance mental clarity, emotional stability, physical health, and spiritual awareness.

One way to achieve this coherence or harmony is by using techniques such as meditation, breathing exercises, yoga, tai chi or biofeedback. These techniques can help to calm the mind, relax the body and tune into the natural rhythms of the Earth. By doing so, one can align oneself with the frequencies of our planet and experience a deeper connection with oneself and nature.

To learn more about this topic, you can check out some of these sources:

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4. ON THE SCHUMANN RESONANCE

The Schumann resonance is a phenomenon that occurs when electromagnetic waves of extremely low frequency (ELF) are trapped between the Earth's surface and the ionosphere, a layer of the atmosphere that reflects radio waves. The resonance is named after Winfried Otto Schumann, who predicted it mathematically in 1952. The resonance is mainly excited by lightning discharges, which produce electromagnetic pulses that can circle the globe in this cavity. The fundamental frequency of the Schumann resonance is about 7.83 Hz, but higher harmonics can also be observed at around 14.3, 20.8, 27.3, and 33.8 Hz.



Some researchers have proposed that the Schumann resonance may have a beneficial effect on human health and consciousness by synchronizing our brain waves with the natural rhythms of the Earth. They suggest that exposure to the Schumann resonance may enhance cognitive functions, memory, learning, mood, sleep quality, immune system function, and stress resilience. They also speculate that the Schumann resonance may facilitate access to higher states of consciousness and spiritual experiences.

However, these claims are not well supported by scientific evidence and are mostly based on anecdotal reports or personal experiences. There is no clear mechanism by which the Schumann resonance could influence the human brain, which operates at much higher frequencies than the ELF range. Moreover, the intensity of the Schumann resonance is very weak compared to other sources of electromagnetic fields that humans are exposed to, such as power lines, cell phones, or Wi-Fi signals. Therefore, it is unlikely that the Schumann resonance has any significant impact on human physiology or psychology.

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Explain how the human body and cellular charge coincide with the frequencies of our planet

The human body is composed of cells that have electrical properties and interact with electromagnetic fields. The cellular charge is the difference in voltage between the inside and the outside of a cell membrane, which is essential for many cellular functions. The frequencies of our planet are the natural vibrations of the Earth and its atmosphere, which range from extremely low to very high frequencies. Some of these frequencies, such as the Schumann resonances, are in harmony with the brain waves of humans and other animals.



One way to explain how the human body and cellular charge coincide with the frequencies of our planet is to consider the concept of bioresonance. Bioresonance is the idea that living organisms can exchange energy and information through electromagnetic waves that resonate with their own natural frequencies.

According to this theory, the human body and its cells can tune in to the frequencies of the Earth and benefit from their healing and harmonizing effects. Conversely, exposure to artificial frequencies that are out of sync with the natural ones can cause stress, disease and imbalance in the body and mind.

Explain how the human body and cellular charge could potentially be altered if there was a 5th dimension as Paul Dirac proposed?

One of the most intriguing questions in physics is whether there exists a fifth dimension beyond the four we are familiar with: three of space and one of time.

In 1931, the British physicist Paul Dirac proposed a theory that suggested the existence of such a dimension, based on the idea that the electron has two possible states: positive and negative. Dirac's theory implied that for every particle there is an antiparticle, with the same mass but opposite charge. This was later confirmed by experiments, and led to the discovery of antimatter.

But what if there is more to Dirac's theory than meets the eye? What if the fifth dimension is not just a mathematical abstraction, but a physical reality that affects our world in subtle ways? And what if this dimension has an influence on the human body and its cellular charge?

The human body is composed of trillions of cells, each with a membrane that separates the inside from the outside. The membrane acts as a barrier that regulates the flow of ions, molecules, and signals across it. The difference in electrical potential between the inside and the outside of the cell is called the membrane potential, and it plays a crucial role in many cellular functions, such as nerve impulses, muscle contraction and hormone secretion.

The membrane potential is maintained by a complex system of pumps, channels and transporters that move ions across the membrane. The most important ions involved are sodium, potassium, calcium, and chloride. The balance of these ions determines the cellular charge, which can be either positive or negative depending on whether there are more positive or negative ions inside or outside the cell.

Now imagine that there is a fifth dimension that interacts with these ions in some way. For example, suppose that this dimension has a periodic oscillation, like a wave, that affects the movement or distribution of the ions across the membrane. This would cause a fluctuation in the membrane potential and the cellular charge, which could have various consequences for the cell and the body.

For instance, a change in the cellular charge could alter the activity of enzymes, proteins and genes that are sensitive to electrical signals. This could affect the metabolism, growth, and differentiation of the cell. A change in the membrane potential could also affect the communication between cells, as some cells use electrical impulses to transmit information. This could affect the function of tissues and organs, such as the brain, heart, and muscles.

Of course, these are just hypothetical scenarios, and there is no evidence that such a fifth dimension exists or has any effect on our world. However, some physicists have speculated that there might be ways to test for its existence, such as looking for deviations from the standard model of particle physics or searching for extra dimensions in gravitational waves. Until then, we can only wonder what mysteries lie beyond our four-dimensional perception.

How likely is it that solar flares hold high amounts of positrons that can affect the planetary fields as well a human bio field?

Solar flares are powerful bursts of radiation that originate from the Sun's surface and can affect the Earth's atmosphere. They are caused by the sudden release of magnetic energy stored in the Sun's corona, the outermost layer of the star. Solar flares can produce a variety of phenomena, such as radio blackouts, geomagnetic storms, auroras, and cosmic rays.

One of the most intriguing questions about solar flares is whether they contain high amounts of positrons, the antimatter counterparts of electrons. Positrons are very rare in nature and usually annihilate with electrons when they encounter them. However, some theories suggest that positrons could be produced in solar flares by nuclear reactions or particle acceleration processes. If this is true, then solar flares could be a source of antimatter in the solar system and beyond.

Positrons have some interesting properties that could affect the planetary fields as well as the human bio field. For example, positrons can interact with magnetic fields and

create synchrotron radiation, which is a type of electromagnetic radiation emitted by charged particles moving in a curved path.

This radiation could alter the magnetic field of the Earth and other planets, as well as induce currents in electrical grids and devices. Moreover, positrons can interact with matter and create gamma rays, which are high-energy photons that can penetrate deep into biological tissues and cause damage to cells and DNA. This could have implications for the health and well-being of humans and other living organisms exposed to solar flares.

The likelihood of solar flares containing high amounts of positrons is still a matter of debate among scientists. Some studies have reported evidence of positron emission from solar flares, while others have found no clear signs of it. The detection of positrons is challenging because they are easily masked by other particles and radiation from the Sun and the interplanetary medium. Therefore, more observations and experiments are needed to confirm or refute the existence of positrons in solar flares and to understand their origin and effects.

Please Elaborate

Solar flares are powerful bursts of radiation that originate from the Sun's surface and can last from minutes to hours. They are often accompanied by coronal mass ejections (CMEs), which are large clouds of plasma and magnetic fields that can travel through the solar system at high speeds.

One of the intriguing questions that scientists have been trying to answer is whether solar flares contain high amounts of positrons, which are the antimatter counterparts of electrons. Positrons have the same mass as electrons, but opposite charge and spin. When a positron meets an electron, they annihilate each other and produce gamma rays.

Positrons are rare in nature, but they can be created by nuclear reactions, cosmic rays, or particle accelerators. Some theories suggest that solar flares may also produce positrons through various processes, such as pair production, magnetic reconnection, or acceleration of ions.

If solar flares do contain positrons, they could have significant implications for the planetary fields and the human bio field. Planetary fields are the magnetic fields that surround planets and protect them from harmful radiation. Human bio field is a term used by some researchers to describe the subtle energy field that surrounds and permeates living beings.

Positrons could affect the planetary fields by altering their structure and intensity, or by creating disturbances or anomalies.

For example, some studies have reported correlations between solar flares and geomagnetic storms, which are temporary disturbances of the Earth's magnetic field that can cause auroras, power outages, or communication disruptions.

Positrons could also affect the human bio field by influencing its coherence, balance, or resonance. Some researchers have proposed that the human bio field is sensitive to external stimuli, such as electromagnetic fields, light, sound, or emotions. They have also suggested that the human bio field may play a role in health, well-being, consciousness, or intuition.

However, these effects are not well understood or proven by mainstream science. There are many challenges and uncertainties in measuring and detecting positrons in solar flares, as well as in assessing their impact on the planetary fields and the human bio field. More research and data are needed to verify these hypotheses and to explore their implications.

How likely is it that solar flares hold high amounts of positrons that can affect the planetary fields as well a Schumann resonance

Solar flares are powerful bursts of radiation that originate from the Sun's surface and can last from minutes to hours. They are often accompanied by coronal mass ejections (CMEs), which are large clouds of plasma and magnetic fields that can travel through the solar system at speeds of up to several thousand kilometers per second.

One of the intriguing questions that scientists have been trying to answer is whether solar flares and CMEs contain high amounts of positrons, which are the antimatter

counterparts of electrons. Positrons have the same mass as electrons, but opposite charge and spin. When a positron meets an electron, they annihilate each other and produce gamma rays.

Positrons are rare in nature, but they can be created by various processes, such as nuclear reactions, cosmic rays, lightning, and artificial sources like particle accelerators. Some studies have suggested that solar flares and CMEs could also be sources of positrons, either by accelerating them from the solar atmosphere or by producing them through nuclear reactions in the solar plasma.

However, detecting positrons from solar flares and CMEs is not easy, as they are easily absorbed or deflected by the interplanetary medium and the Earth's magnetic field. Moreover, positrons can also affect the planetary fields and the Schumann resonance, which is a set of low-frequency electromagnetic waves that are trapped between the Earth's surface and the ionosphere.

The Schumann resonance is influenced by various factors, such as lightning activity, solar activity, geomagnetic storms, and atmospheric conditions. Some researchers have proposed that positrons from solar flares and CMEs could also alter the Schumann resonance by changing the conductivity and density of the ionosphere.

If this is true, then measuring the Schumann resonance could provide a way to indirectly detect positrons from solar flares and CMEs.

However, this hypothesis has not been conclusively proven yet, and more data and analysis are needed to confirm or refute it.

Therefore, the likelihood that solar flares hold high amounts of positrons that can affect the planetary fields and the Schumann resonance is still uncertain, but it is an intriguing possibility that deserves further investigation.



5. THE MICRO- AND MACRO NUTRIENTS

What are Micronutrients

Micronutrients are essential nutrients that your body needs in small amounts to function properly and stay healthy. They include vitamins and minerals, which have different roles and functions in your body.

Types of Micronutrients

There are two main types of micronutrients: water-soluble vitamins and fat-soluble vitamins. Water-soluble vitamins dissolve in water and are not stored in your body, so you need to consume them regularly.

They include vitamin C and the B vitamins, such as thiamine (B1), riboflavin (B2), niacin (B3), pantothenic acid (B5), biotin (B7), folate (B9), and cobalamin (B12). These vitamins act as coenzymes that help your body perform various metabolic reactions, such as energy production, DNA synthesis, and nerve function.

Fat-soluble vitamins dissolve in fat and can be stored in your body for longer periods. They include vitamin A, D, E, and K. These vitamins have different functions, such as maintaining vision, bone health, immune system, blood clotting, and antioxidant activity. Minerals are also divided into two groups: macrominerals and trace minerals.

Macrominerals are needed in larger amounts than trace minerals. They include calcium, phosphorus, magnesium, sodium, potassium, chloride, and sulfur. These minerals are involved in bone formation, fluid balance, muscle contraction, nerve transmission, and acid-base regulation.

Trace minerals are needed in smaller amounts than macrominerals. They include iron, zinc, copper, manganese, iodine, selenium, chromium, fluoride, and molybdenum. These minerals play important roles in oxygen transport, enzyme function, thyroid function, wound healing, growth, and development.

Benefits of Micronutrients

Micronutrients are vital for your health and wellbeing. They support various biological processes and prevent or treat various diseases. Some of the benefits of micronutrients are:

- Vitamin A: protects your eyesight and helps prevent night blindness and xerophthalmia. It also supports your immune system and helps fight infections.
- Vitamin D: helps your body absorb calcium and phosphorus and maintains your bone health. It also regulates your immune system and may protect against autoimmune diseases and infections.
- Vitamin E: acts as an antioxidant that protects your cells from free radical damage. It also supports your immune system and may prevent chronic diseases such as cardiovascular disease and cancer.
- Vitamin K: helps your blood clot properly and prevents excessive bleeding. It also supports your bone health and may prevent osteoporosis.
- Vitamin C: acts as an antioxidant that protects your cells from free radical damage. It also helps synthesize collagen, which is important for your skin, bones, teeth, and blood vessels. It also enhances your immune system and may prevent scurvy.
- Vitamin B1: helps your body convert carbohydrates into energy. It also supports your nervous system and may prevent beriberi.
- Vitamin B2: helps your body convert food into energy. It also supports your skin, eyes, and mucous membranes. It also acts as an antioxidant and may prevent cataracts.
- Vitamin B3: helps your body convert food into energy. It also supports your nervous system and skin health. It also helps regulate your cholesterol levels and may prevent pellagra.

- Vitamin B5: helps your body convert food into energy. It also supports your adrenal glands and stress response. It also helps synthesize fatty acids, cholesterol, hormones, and neurotransmitters.
- Vitamin B7: helps your body metabolize carbohydrates, fats, and proteins. It also supports your hair, skin, nails, and nerve function.
- Vitamin B9: helps your body synthesize DNA and RNA. It also supports your red blood cell production and prevents anemia. It also helps prevent neural tube defects in pregnant women.
- Vitamin B12: helps your body synthesize DNA and RNA. It also supports your red blood cell production

What are Macronutrients

Macronutrients are nutrients that your body needs in large amounts to function optimally. They include carbohydrates, protein, and fat. Each macronutrient has a specific role and function in the body and provides us with energy.

Carbohydrates are the main source of energy for the brain and muscles. They can be broken down into glucose, which is used by the cells for various processes.

Carbohydrates are found in foods like grains, fruits, vegetables, beans, and dairy products.

Protein is essential for the growth, repair, and maintenance of body tissues, such as muscles, bones, skin, and hair. Protein also helps with immune function, hormone production, and enzyme activity. Protein is made up of amino acids, which are the building blocks of life. Protein is found in foods like meat, eggs, fish, dairy products, beans, nuts, and seeds.

Fat is another source of energy for the body and helps with the absorption of fat-soluble vitamins (A, D, E, and K). Fat also supports brain health, cell membrane structure, and hormone synthesis. Fat is composed of fatty acids, which can be saturated or unsaturated. Fat is found in foods like oils, butter, cheese, nuts, seeds, and avocado.

Macronutrients are important for maintaining a healthy body and preventing diseases. The amount of each macronutrient that you need depends on your age, weight, activity level, and health goals. A balanced diet that includes a variety of foods from each macronutrient group can help you meet your nutritional needs.

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How large amount of micronutrients does a human actually need? Can it be exchanged with higher order forms of energy such as the ability to access the planetary fields e.g. the Schuman resonance

Micronutrients are essential for human health and well-being, but how much do we really need? And can we replace them with other forms of energy, such as the ability to tap into the planetary fields?

Micronutrients are substances that are required in small amounts by the body for various functions, such as growth, development, immunity, metabolism, and antioxidant protection. They include vitamins, minerals, trace elements, and phytochemicals.

According to the World Health Organization (WHO), the recommended dietary allowances (RDAs) for micronutrients vary depending on age, sex, physiological status, and environmental factors. For example, the RDA for vitamin A is 600 micrograms (mcg) per day for adult men and 500 mcg per day for adult women, while the RDA for iron is 8 milligrams (mg) per day for adult men and 18 mg per day for adult women.

However, these RDAs are based on the minimum amounts needed to prevent deficiency diseases, such as scurvy, beriberi, or anemia. They do not necessarily reflect the optimal amounts needed to promote optimal health and prevent chronic diseases, such as cancer, diabetes, or cardiovascular disease.

Some experts suggest that higher intakes of micronutrients may be beneficial for health and longevity, especially in the context of modern lifestyles that expose us to various stressors, such as pollution, radiation, toxins, infections, and inflammation.

For example, some studies have shown that higher doses of vitamin C (up to 10 grams per day) can enhance immune function, reduce oxidative stress, and lower blood pressure. Similarly, higher doses of vitamin D (up to 100 mcg per day) can improve bone health, modulate immune responses, and protect against infections and autoimmune diseases.

However, there is also a risk of toxicity and adverse effects from excessive intake of micronutrients, especially if they are taken in isolation or in synthetic forms. For example, too much vitamin A can cause liver damage, birth defects, and increased risk of fractures.

Too much iron can cause oxidative stress, tissue damage, and increased risk of infections and cancer. Therefore, it is important to consult with a qualified health professional before taking any supplements or changing your diet.

Another question that arises is whether we can substitute micronutrients with other forms of energy that may have similar or even superior effects on our health and well-being. One such form of energy is the ability to access the planetary fields, such as the Schumann resonance.

The Schumann resonance is a set of electromagnetic frequencies that are generated by lightning strikes in the Earth's atmosphere and resonate between the Earth's surface and the ionosphere. The main frequency of the Schumann resonance is around 7.83 hertz (Hz), which coincides with the alpha brain waves that are associated with relaxation, meditation, and creativity.

Some researchers have proposed that the Schumann resonance may have a beneficial effect on human health and consciousness by synchronizing our brain waves with the natural rhythms of the Earth.

They suggest that exposure to the Schumann resonance may enhance cognitive functions, memory, learning, mood, sleep quality, immune system function, and stress resilience.

They also speculate that the Schumann resonance may facilitate access to higher states of consciousness and spiritual experiences.

However, there is limited scientific evidence to support these claims. Most of the studies on the Schumann resonance have been conducted in laboratory settings or with small samples of participants. The results have been inconsistent and inconclusive.

Moreover, there are many factors that may interfere with or modify the Schumann resonance signal in our environment, such as artificial electromagnetic fields from power lines, cell phones, Wi-Fi routers, and other devices.

Therefore, it is not clear whether we can rely on the Schumann resonance as a source of energy or a substitute for micronutrients. It may be more prudent to adopt a balanced approach that includes both adequate intake of micronutrients from natural sources (such as fruits, vegetables, nuts, seeds, herbs, and spices) and exposure to natural electromagnetic fields from the Earth (such as by spending time outdoors in nature or using grounding devices).

In conclusion, micronutrients are vital for human health and well-being, but their optimal amounts may vary depending on individual needs and circumstances. Other forms of energy, such as the ability to access the planetary fields, may have some potential benefits but also some limitations and uncertainties.

Therefore, it is advisable to consult with a qualified health professional before making any changes to your diet or lifestyle and to seek a holistic approach that integrates both physical and energetic aspects of well-being.

Explain to me how humanity can change their diet into a less matter-based diet that has a higher content of micronutrients and it purely plant-based

One possible way that humanity can change their diet into a less matter-based diet that has a higher content of micro nutrients and is purely plant based is by adopting a form of cellular agriculture. Cellular agriculture is the production of food from cell cultures, without the need for animal slaughter or land use.

This technology could allow people to grow meat, dairy, eggs, and other animal products in bioreactors, using only a fraction of the resources and emissions of conventional animal agriculture. Cellular agriculture could also enable the creation of novel foods that are tailored to specific nutritional needs, such as high-protein, low-fat or enriched with vitamins and minerals. By switching to cellular agriculture, humanity could reduce their environmental impact, improve their health and animal welfare, and enjoy a more diverse and satisfying diet.

How to Transition to a Plant-Based Diet with More Micronutrients

If you are looking for a way to improve your health, reduce your environmental impact, and save money, you might want to consider switching to a plant-based diet. A plant-based diet is one that consists mostly or entirely of foods derived from plants, such as fruits, vegetables, grains, legumes, nuts, and seeds.

A plant-based diet can provide you with all the essential macronutrients (carbohydrates, proteins, and fats) and micronutrients (vitamins and minerals) that your body needs, as long as you eat a variety of foods and supplement with vitamin B12.

One of the benefits of a plant-based diet is that it can provide you with more micronutrients than a typical Western diet that relies heavily on animal products and processed foods.

Micronutrients are the substances that your body needs in small amounts to perform various functions, such as regulating your metabolism, immune system, and nervous system. Some examples of micronutrients are iron, zinc, calcium, magnesium, iodine, selenium, vitamin A, vitamin C, vitamin D, vitamin E, and vitamin K.

Micronutrients are especially important for your health because they can help prevent or treat various chronic diseases, such as anemia, osteoporosis, diabetes, cardiovascular disease, cancer, and cognitive decline. However, many people are deficient in one or more micronutrients due to poor dietary choices, soil depletion, environmental pollution, or genetic factors.

To increase your intake of micronutrients on a plant-based diet, you should aim to eat a rainbow of fruits and vegetables every day. Each color represents a different phytochemical (plant compound) that has its own health benefits.

For example, red fruits and vegetables contain lycopene, which can protect against prostate cancer; orange fruits and vegetables contain beta-carotene, which can boost your immune system and vision; green fruits and vegetables contain chlorophyll, which can detoxify your blood and liver; and purple fruits and vegetables contain anthocyanins, which can lower your blood pressure and inflammation.

You should also include whole grains, legumes, nuts, and seeds in your plant-based diet. These foods are rich in complex carbohydrates, proteins, healthy fats, fiber, and various micronutrients. For instance, whole grains provide you with B vitamins, iron, magnesium, zinc, and selenium; legumes (lentils, beans etc.) provide you with protein, iron, calcium, folate, and zinc; nuts provide you with protein, healthy fats (especially omega-3s), vitamin E, magnesium etc.

For Individuals

A less matter-based diet is one that relies less on the quantity and more on the quality of food. It is a diet that emphasizes the intake of micronutrients, which are essential for the proper functioning of the body and the prevention of diseases. A purely plant-based diet is one that excludes all animal products, such as meat, dairy, eggs, and honey. To change your diet into a less matter-based and purely plant-based one, you need to follow some steps:

- First, you need to educate yourself on the benefits of this diet and the sources of protein, calcium, iron, vitamin B12, and other nutrients that you may need to supplement or obtain from plant foods.

- Second, you need to plan your meals ahead and stock up on healthy plant-based foods, such as fruits, vegetables, grains, legumes, nuts, seeds, and plant milks. You can also use online tools or apps to track your nutrient intake and make sure you are meeting your needs.
- Third, you need to experiment with different recipes and cuisines that are based on plants. You can find many online resources or books that offer delicious and nutritious plant-based dishes. You can also try to veganize your favorite meals by replacing animal ingredients with plant alternatives.
- Fourth, you need to be flexible and adaptable. You may face some challenges or difficulties when changing your diet, such as social pressure, cravings, or lack of options.

You can overcome these by being prepared, having supportive friends or family, finding vegan-friendly restaurants or products, and being gentle with yourself.

Changing your diet into a less matter-based and purely plant-based one can be a rewarding and beneficial experience for your health, the environment, and the animals. However, it is important to do it gradually and carefully, and to consult your doctor or a nutritionist if you have any medical conditions or concerns.

6. HYDROPONIC GROWN FOOD

Would hydroponic growth in-house generate enough food

Hydroponic growth is a method of growing plants without soil, using water and nutrients. It can be done indoors, in a controlled environment, with artificial lighting and ventilation. Hydroponic growth can have some advantages over conventional farming, such as saving water, space, and reducing pests and diseases. However, it also has some challenges and limitations, such as high initial costs, technical skills, and energy consumption.

One of the main questions that people interested in hydroponics may have been whether it can produce enough food for their needs. The answer depends on several factors, such as the type and number of plants, the size and design of the system, the quality and quantity of the inputs, and the personal preferences and consumption habits of the individual. There is no definitive answer to this question, as different scenarios may yield different results.

However, some general guidelines can be followed to estimate the potential of hydroponic growth for food production.

- First, one should consider the nutritional requirements of a human being, which vary according to age, gender, activity level, and health status. According to the World Health Organization (WHO), the average adult needs about 2000 calories and 50 grams of protein per day.
- Second, one should research the nutritional value and yield of different crops that can be grown hydroponically, such as leafy greens, herbs, tomatoes, cucumbers, peppers, strawberries, etc.
- Third, one should calculate the amount of space, water, nutrients, light, and energy needed to grow these crops in a hydroponic system.

- Fourth, one should compare the costs and benefits of hydroponic growth with other alternatives, such as buying food from the market or growing food in a traditional garden.

Based on these steps, one can get an idea of whether hydroponic growth in their house can generate enough food for them. However, this is not a precise or definitive answer, as there may be variations and uncertainties in the data and assumptions used.

Therefore, it is advisable to experiment with different crops and systems before making a final decision. Hydroponic growth can be a rewarding and sustainable way of producing food at home, but it requires careful planning, monitoring, and maintenance.



7. PHYTO-DNA AND HUMAN DNA

How does the Phyto-DNA in plant-based diet affect the human DNA?

Phyto-DNA is a term that refers to the DNA of plants, which can be detected in human stool samples using a technique called DNA metabarcoding. This technique involves amplifying and sequencing a specific region of the chloroplast DNA, which is unique to plants, and comparing it to a reference database of plant species. By doing this, researchers can identify what kinds of plants a person has eaten, and how their diet may affect their health.

One of the potential benefits of Phyto-DNA analysis is that it can provide more objective and accurate information about dietary intake than self-reported methods, such as food diaries or questionnaires. These methods are often prone to errors, biases, and underreporting, especially when it comes to plant foods, which are diverse and complex in their composition and preparation.

Phyto-DNA analysis can also capture the diversity and richness of plant foods in a person's diet, which may be linked to lower risks of chronic diseases, such as diabetes and heart disease.

However, Phyto-DNA analysis is not without limitations. For one thing, not all plant foods have distinctive DNA sequences that can be easily distinguished from each other. For example, some closely related species, such as wheat and barley, may share similar DNA sequences that cannot be differentiated by the current technique.

Moreover, some plant foods may have low or variable amounts of DNA, depending on how they are processed or cooked. For instance, refined grains or oils may have little or no DNA left after extraction or heating.

Therefore, Phyto-DNA analysis may not capture all the plant foods that a person consumes, and may underestimate their intake of some nutrients or phytonutrients.

Phytonutrients are bioactive compounds that are found in plant foods, and have various health benefits for humans. They include antioxidants, anti-inflammatory agents, detoxifiers, immune modulators, and DNA repairers. Some examples of phytonutrients are carotenoids, flavonoids, glucosinolates, polyphenols, and phytosterols.

Phytonutrients may influence human health by interacting with different biological pathways and mechanisms, such as modulating gene expression, enzyme activity, cell signalling, hormone levels, and microbiome composition.

The effects of phytonutrients on human DNA are still being investigated, but some evidence suggests that they may protect against DNA damage caused by oxidative stress or carcinogens. For example, studies in rats and mice found that glucosinolates, which are found in cruciferous vegetables like broccoli and cauliflower, can inactivate carcinogens and prevent DNA mutations. However, this has not been proven in human studies yet. Another example is polyphenols, which are found in fruits, vegetables, tea, coffee, and wine. Polyphenols may enhance DNA repair by activating certain enzymes or proteins that fix DNA breaks or errors.

The relationship between Phyto-DNA and phytonutrients is not straightforward, however. Phyto-DNA analysis can only tell us what kinds of plants a person has eaten, but not how much or how often they ate them. Moreover, Phyto-DNA analysis cannot measure the levels or bioavailability of phytonutrients in plant foods or in the human body.

Phytonutrient content and absorption may vary depending on many factors, such as plant variety, growing conditions, harvesting time, storage methods, cooking methods, food combinations, and individual differences in metabolism and genetics.

Therefore, while Phyto-DNA analysis is a promising tool to assess the plant component of human diets, it cannot provide a complete picture of the effects of plant foods on human health and DNA. More research is needed to understand how Phyto-DNA interacts with other dietary factors and biomarkers to influence health outcomes. In the meantime, eating a variety of plant foods from different sources and colours is still recommended as a way to obtain a range of nutrients and phytonutrients that may benefit our health and DNA.

Explain how Phytonutrients may influence human health by interacting with different biological pathways and mechanisms, such as modulating gene expression, enzyme activity, cell signalling, hormone levels, and microbiome composition.

Phytonutrients are natural compounds that are produced by plants to protect them from various threats, such as insects, diseases, and excessive sun exposure. Phytonutrients have many health benefits for humans, as they can interact with different biological pathways and mechanisms, such as modulating gene expression, enzyme activity, cell signaling, hormone levels, and microbiome composition.

Phytonutrients can modulate gene expression by influencing the activity of transcription factors, which are proteins that bind to specific DNA sequences and regulate the expression of genes. For example, some phytonutrients can activate the nuclear factor erythroid 2-related factor 2 (Nrf2) pathway, which is a major antioxidant response system in the body. Nrf2 can induce the expression of genes that encode for antioxidant enzymes, such as glutathione peroxidase and catalase, which can protect the cells from oxidative stress and inflammation.

Phytonutrients can also affect enzyme activity by either inhibiting or inducing certain enzymes that are involved in various metabolic processes. For example, some phytonutrients can inhibit the activity of cytochrome P450 enzymes, which are responsible for metabolizing drugs and toxins in the liver. This can alter the bioavailability and efficacy of some medications, such as warfarin and statins.

On the other hand, some phytonutrients can induce the activity of phase II detoxification enzymes, such as glutathione S-transferase and quinone reductase, which can enhance the elimination of carcinogens and other harmful substances from the body.

Phytonutrients can also influence cell signaling by modulating the activity of various receptors, kinases, and transcription factors that are involved in transmitting signals from the cell membrane to the nucleus. For example, some phytonutrients can activate the peroxisome proliferator-activated receptors (PPARs), which are nuclear receptors that regulate lipid metabolism, inflammation, and insulin sensitivity.

PPARs can improve metabolic syndrome, diabetes, and cardiovascular disease by increasing fatty acid oxidation, reducing triglyceride synthesis, decreasing inflammatory cytokines, and enhancing glucose uptake.

Phytonutrients can also affect hormone levels by either mimicking or antagonizing the effects of endogenous hormones, such as estrogen and testosterone. For example, some phytonutrients have phytoestrogenic properties, which means they can bind to estrogen receptors and exert estrogen-like effects.

Phytoestrogens can have beneficial effects on menopausal symptoms, bone health, and cardiovascular health by reducing hot flashes, increasing bone mineral density, and lowering blood pressure and cholesterol levels. However, phytoestrogens can also have adverse effects on reproductive health and cancer risk by interfering with ovulation, fertility, and hormone-dependent tumors.

Phytonutrients can also alter microbiome composition by affecting the growth and activity of different bacteria in the gut. The gut microbiome is a complex community of microorganisms that plays a key role in digestion, immunity, metabolism, and mood. Phytonutrients can modulate the gut microbiome by acting as prebiotics or antimicrobials. Prebiotics are non-digestible substances that stimulate the growth of beneficial bacteria, such as bifidobacteria and lactobacilli.

Prebiotics can improve gut health by enhancing intestinal barrier function, reducing inflammation, and producing short-chain fatty acids. Antimicrobials are substances that inhibit or kill harmful bacteria, such as *Helicobacter pylori* and *Clostridium difficile*. Antimicrobials can prevent or treat infections by disrupting bacterial cell walls, membranes, or DNA.

As you can see, phytonutrients have multiple effects on human health by interacting with different biological pathways and mechanisms. Phytonutrients are abundant in plant-based foods, such as fruits, vegetables, whole grains, nuts, seeds, legumes, herbs, and spices. To reap the benefits of phytonutrients, it is recommended to consume a variety of plant foods with different colors and flavors every day. Phytonutrients can also be taken as supplements but they may not provide all the necessary nutrients or have the same synergistic effects as whole foods.

If the planetary magnetic field changes will the phytonutrient content and absorption change in the human body?

This is a fascinating question that has intrigued many scientists and health enthusiasts. Phytonutrients are natural compounds found in plants that have various beneficial effects on human health, such as antioxidant, anti-inflammatory, anti-cancer, and immune-boosting properties. Some examples of phytonutrients are carotenoids, flavonoids, glucosinolates, and polyphenols.

The planetary magnetic field, also known as the geomagnetic field, is the magnetic field that surrounds the Earth and protects it from harmful solar radiation. The geomagnetic field is generated by the movement of molten iron in the Earth's outer core, and it varies in strength and direction over time. The geomagnetic field influences many aspects of life on Earth, such as animal migration, climate, weather, and navigation.

But does the geomagnetic field also affect the phytonutrient content and absorption in the human body? The answer is not clear-cut, as there are many factors that influence the production and metabolism of phytonutrients, such as soil quality, plant genetics, environmental stress, harvesting methods, processing, storage, cooking, and digestion.

However, some studies have suggested that the geomagnetic field may have some effects on the biosynthesis and bioavailability of phytonutrients.

For instance, a study by Krylov et al. (2014) found that exposure to a weak magnetic field (0.1 mT) increased the content of phenolic compounds and flavonoids in wheat sprouts by 15-20%, compared to a control group. The authors suggested that the magnetic field may stimulate the activity of enzymes involved in the synthesis of these phytonutrients.

Another study by Liu et al. (2016) found that exposure to a strong magnetic field (5 mT) enhanced the antioxidant activity and phenolic content of black soybean sprouts by 10-30%, compared to a control group. The authors speculated that the magnetic field may induce oxidative stress in the plants, which triggers the production of antioxidants to cope with it.

On the other hand, a study by Wang et al. (2017) found that exposure to a weak magnetic field (0.4 mT) decreased the content of glucosinolates and isothiocyanates in broccoli sprouts by 10-20%, compared to a control group. The authors explained that the magnetic field may interfere with the transport of sulfur and nitrogen in the plants, which are essential for the formation of these phytonutrients.

Another study by Chen et al. (2018) found that exposure to a strong magnetic field (8 mT) reduced the antioxidant activity and polyphenol content of green tea leaves by 20-40%, compared to a control group. The authors attributed this to the inhibition of enzymes involved in the biosynthesis of these phytonutrients.

As for the absorption of phytonutrients in the human body, there is even less evidence to support a direct link with the geomagnetic field. However, some indirect effects may be possible.

For example, a study by Binhi and Savin (2003) suggested that exposure to a weak magnetic field (0.05-0.5 mT) may increase the permeability of cell membranes, which could facilitate the uptake of nutrients and drugs into cells.

Another study by Martino et al. (2010) suggested that exposure to a strong magnetic field (1-7 T) may alter the gut microbiota composition, which could affect the digestion and metabolism of phytonutrients.

In conclusion, there is no definitive answer to whether the planetary magnetic field changes will affect the phytonutrient content and absorption in the human body. The effects may depend on many factors, such as the type, strength, duration, and frequency of exposure to the magnetic field; the type, source, quality, and quantity of phytonutrients; and the individual characteristics of each person. More research is needed to elucidate the mechanisms and implications of these interactions.

8. PRO-HUMAN SCIENCES

Pro-human consciousness and health sciences are the future

We need to focus on why pro-human consciousness and health sciences are the future of humanity. Pro-human consciousness is the idea that humans have a unique and valuable perspective on reality, and that we should cultivate and enhance our cognitive and emotional capacities. Health sciences are the disciplines that study and improve human health, well-being, and longevity. Together, these fields offer a vision of a better future for ourselves and our planet.

Why pro-human consciousness?

Human consciousness is one of the most mysterious and fascinating phenomena in the universe. It is the source of our creativity, curiosity, morality, and spirituality. It is also the basis of our personal identity and our sense of meaning and purpose. However, human consciousness is also fragile and vulnerable. It can be distorted by biases, illusions, delusions, and mental disorders. It can be manipulated by propaganda, misinformation, and deception. It can be diminished by stress, trauma, aging, and disease.

Pro-human consciousness is the recognition that human consciousness is a precious and irreplaceable resource that needs to be protected, nurtured, and enhanced. Pro-human consciousness advocates for the development of technologies and practices that can help us understand, measure, monitor, and optimize our mental states. These include neuroimaging, neurofeedback, brain-computer interfaces, meditation, psychedelics, cognitive enhancement, and mind uploading.

Pro-human consciousness also supports the exploration of altered states of consciousness, such as lucid dreaming, out-of-body experiences, near-death experiences, and mystical experiences. These can provide us with new insights into the nature of reality and ourselves.

Why health sciences?

Health sciences are the fields that study and improve human health at all levels: from molecules to cells, from organs to systems, from individuals to populations.

Health sciences include medicine, nursing, pharmacy, dentistry, public health, nutrition, psychology, neuroscience, genetics, biotechnology, bioengineering, nanotechnology, and more.

Health sciences aim to prevent, diagnose, treat, and cure diseases; to enhance physical and mental performance; to extend lifespan and health span; and to promote well-being and happiness.

Health sciences are the future because they can help us overcome the limitations and challenges that we face as biological organisms. These include aging, disease, injury, disability, pain, suffering, and death.

Health sciences can also help us achieve our full potential as human beings. They can enable us to enhance our senses, cognition, memory, intelligence, creativity, emotion regulation, social skills, and more. They can also allow us to customize our bodies and minds according to our preferences and goals.

How pro-human consciousness and health sciences are connected?

Pro-human consciousness and health sciences are not only compatible but complementary. They both share a common goal: to improve the quality of human life. They both rely on scientific methods and evidence to advance their knowledge and applications. They both respect human dignity and diversity and uphold ethical principles and values.

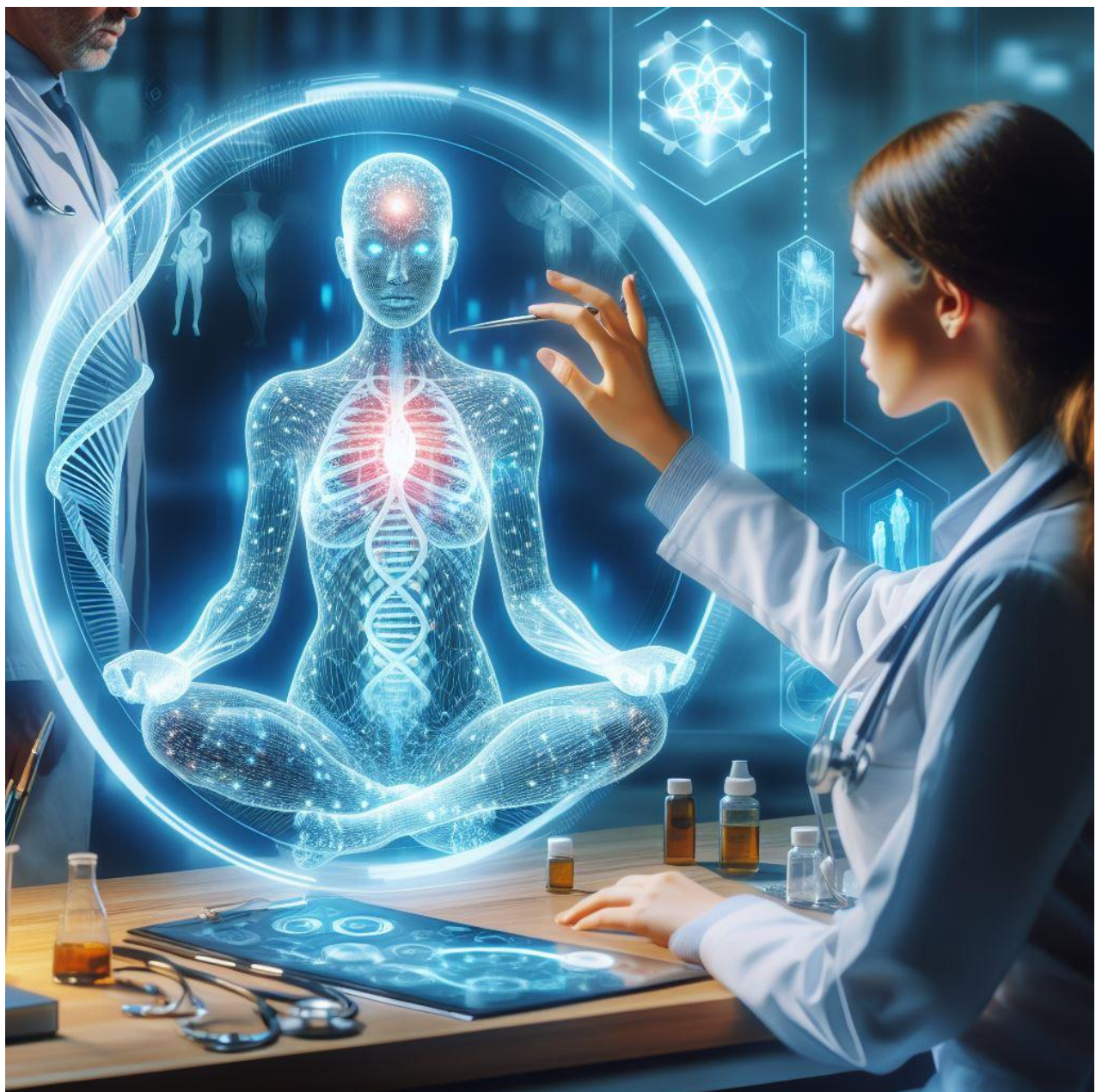
Pro-human consciousness and health sciences can also benefit from each other's insights and innovations. For example, pro-human consciousness can inform health sciences about the subjective aspects of human experience and well-being, such as happiness, meaning, and holistic approach to life.

Health sciences can inform pro-human consciousness about the objective aspects of human brain and body, such as structure, function, and biomarkers. Together, they can offer a holistic and integrative approach to human health and flourishing.

Conclusion

Pro-human consciousness and health sciences are the future because they represent the best of what humanity can achieve: a deeper understanding of ourselves and our world; a greater control over our destiny; and a higher level of happiness and fulfillment.

By supporting these fields, we can contribute to a brighter future for ourselves and our planet.



9. SUMMING UP

Higher order awareness can lead to various benefits, such as improved health, well-being, creativity, empathy, compassion, wisdom, peace, joy, etc., as well as to the discovery of new potentials and possibilities for humanity.

Higher order awareness develops the ability to reflect on one's own thoughts, feelings, and actions, and to understand how they affect oneself and others.

However, higher order awareness also unfolds the ability to perceive reality beyond the physical senses and the rational mind, and to access higher levels of consciousness and intuition.

As I see it, the higher order awareness is essential for a future human civilization that aims to transcend the limitations of the current paradigm and to create a more harmonious, sustainable, and enlightened society.

Higher order awareness can be cultivated through various practices, such as meditation, yoga, mindfulness, art, music, nature, service, etc., as well as through consciousness-based technology, such as biofeedback, neurofeedback, and other non-invasive or non-biological adaptive technologies.

It is Not Unrealistic!

Higher awareness is not a utopian or unrealistic ideal, but a natural and inevitable outcome of our evolutionary journey. As we awaken to our true nature, we also awaken to our collective destiny. Higher awareness is not only possible, but necessary for the future of humanity. Higher awareness is a state of mind that allows us to perceive reality beyond our ordinary senses and thoughts. It is a way of being in tune with our true nature, our intuition, and our connection to the source of all that is.

Higher awareness is not something that we have to achieve or attain, but rather something that we can access and cultivate as part of our everyday life.

How can we implement higher awareness in our daily activities?

- Practice mindfulness. Mindfulness is the act of paying attention to the present moment, without judgment or distraction. It helps us to become more aware of our thoughts, feelings, sensations, and surroundings. Mindfulness can be practiced in various ways, such as meditation, breathing exercises, yoga, or simply observing what is happening around us.
- Listen to your inner voice. Our inner voice is the voice of everything that we are, and what we know could potentially be the best option for us. It is the voice that knows what is best for us and what is aligned with our purpose. To listen to our inner voice, we need to quiet our mind and tune in to our heart. We can do this by asking ourselves questions, journaling, or using affirmations.
- Follow your intuition. Intuition is the ability to know something without logical reasoning or evidence. It is a form of higher awareness that comes from our subconscious mind and our connection to the universal intelligence. Intuition can help us to make decisions, solve problems, create opportunities, and avoid dangers. To follow our intuition, we need to trust ourselves and act on our hunches.
- Expand your perspective. Expanding our perspective means seeing things from different angles, viewpoints, and dimensions. It helps us to overcome our biases, prejudices, and limitations. It also helps us to appreciate the diversity and complexity of life. We can expand our perspective by reading books, watching documentaries, traveling, learning new skills, or meeting new people.
- Express your creativity. Creativity is the ability to produce original and valuable ideas or products. It is a manifestation of our higher awareness and our unique expression of who we are. Creativity can enhance our well-being, happiness, and fulfillment. We can express our creativity by engaging in activities that we enjoy and that challenge us, such as writing, painting, singing, dancing, cooking, or inventing.

Getting Started

The higher order awareness is a state of consciousness that allows a person to access higher levels of intelligence, creativity, intuition, and how to activate higher order awareness.

Higher order awareness also activates and engage in the ability to reflect on one's own thoughts, feelings, and actions, and to understand how they affect self, others, and reality.

You can learn more about the higher order awareness via the HAL Academy by Randi Green by enrolling in one of the online courses offered on the website <https://toveje.dk>

In the HAL Academy I show how to activate and develop the higher order awareness through the higher order sciences, described in practical exercises and theoretical knowledge.

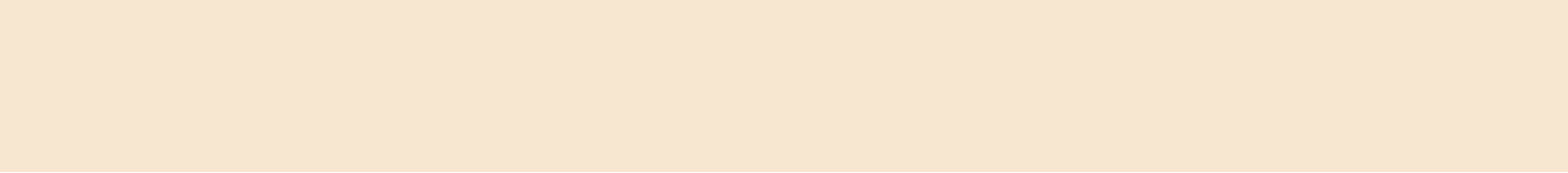
What could be the ways to learn about higher order awareness?

Learning about higher order awareness can help a person to improve their self-regulation, problem-solving, decision-making, and interpersonal skills.

- **Step 1:** Reading books or articles, watching videos or podcasts, or taking courses on topics related to higher order awareness, such as emotional intelligence, cognitive biases, or metacognition as well as material that explores the concept of higher order awareness, such as the ability to reflect on one's own thoughts, feelings, and actions, and how it relates to personal growth, creativity, and well-being.
- **Step 2:** Taking online courses or workshops that teach the basics of awareness, and join in activities that foster higher order thinking skills, such as problem-solving, critical thinking, creative thinking, and metacognition, which are essential for learning, innovation, and adaptation in a complex and changing world.
- **Step 3:** Seeking feedback from others, which can help to gain different perspectives and insights. By seeking feedback from others who have different perspectives, experiences, and backgrounds, and listening to them with respect and curiosity, while also sharing one's own views and insights we can learn more about who we are.

- **Step 4:** Engaging in self-reflection, which is examining one's own experiences, beliefs, and values as well as in self-inquiry, which is a process of asking oneself questions that challenge one's assumptions, beliefs, and values, and examining the evidence and reasons behind them.
- **Step 5:** Practicing mindfulness, which is paying attention to the present moment with curiosity and openness as well as mindfulness meditation, which is a technique that involves paying attention to the present moment with openness, curiosity, and acceptance, and observing one's own mental processes without judgment or attachment.





About My Background

As a professional psychotherapist (Existential Psychotherapy) and personal life coach since 2010, I have talked to many people from all over the world and, from these conversations, gained deep insights into what it means to be human on this planet.

Furthermore, I have a Bachelor degree in Theology (University of Copenhagen 2013) although I am not religious, yet I felt the need to study the Bible from a scientific point of view, and the how-to read this ancient text in its original Hebrew, ancient Greek, and Latin.

I am examined at Copenhagen Business School in Organization, Management and Human Resources and began my work life within that field.

Over time I have taken additional courses and certificates within small business accounting, small business economics, marketing, strategies for growth, computer sciences and psycho-religious studies. I am a licensed healer too.

From my work with clients, personal experiences and otherworldly encounters I have developed the concepts of the Higher Awareness Lifestyle (HAL). The HAL Academy Online Courses are teaching the higher order sciences to assist and progress humanity.

The HOPE Institute is the next step in the processes of awakening and activating humanity into their fullest potentials as lifeforms transforming energy of reality fields via advanced sciences, technology, and higher order levels of consciousness.

Read more on the HOPE Institutes webpage <https://randigreen.one/>