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Review Article

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The Water Information Benefits Silkworm and Other Plants Leading to Human Health

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Abstract

We have developed agriculture, substances including air, and human health through the essential material water for more than ten years. Here, we report the activation of silkworms through the mulberry tree leaves, resulting in human health. The second theme is spring onions, corresponding to the substance in the onion taste. The onion roots possess the narrowest part in the aquaporin proteins, through which water absorbs, resulting in small molecular water, unlike pico-sized particles. We are writing an exciting report about the peach tree, which revives and leads to fruit. Then, we discuss these phenomena from the standpoints of physics and chemistry. For instance, chlorophyll may activate by transferring water information; <H+~e-> plays a role in it.

Keywords: Water, Plants, Human Health, Molecular

Introduction

Any plants need sunlight, water, and soil to grow as well-known [1, 2]. A farmer routinely uses agricultural medicines, fertilizer, herbicides, insecticides, and the medical products. However, the kinds must be different from the country in the world. Codex Alimentarius Commission has been established by FAO (Food and Agriculture Organization of the United Nations) and WHO (World Health Organization) in 1962 And one hundred sixty-five countries participate in the organizations (1999) [3, 4]. The guidelines have been set for the standards of organic foods and the certificates.

An organic agriculture in Japan has been popular for ten years approximately [5]. On the other hand, the damages caused by downy mildew (powdery mildew) spread easily to vegetables because of hot and humid weather in Japan. So, farmers need chemical fertilizers for stable harvest, and they fertilize and spray pesticides containing various chemical medicine. As a result, we may damage, and the risk will be spread because of scattering from the air. We must find out the balance to solve this dilemma. We reported "How to keep Farm Products and Soils Healthy in Agricultural Chemicals as well as a Human Body" [6]. For instances, Tolfenpyrad of insecticides was discovered in Japan but is not registered in other countries [7].

Our essential idea is to employ water calling SIGN water (Spin Information Gauge Network) when we grow plants. The water involves infoton, <H+~e->; namely, it is neither a hydrogen atom nor anion, in which two particles "proton and electron".

The SIGN water functions to protect plants as well as human body. The mechanisms of the reactions between the water and the chemicals may expand to another pesticide in ubiquity corresponding to the chemical structure and the state of an electron in the compounds. We notice covalent bond strength in every element and electron affinity of each atom involved in the pesticide compound.

We have reported the three functions of the SIGN water namely; i) chemical reduction (anti-oxidation), ii) transferring information of the water which involves supposedly the elementary-like particle (we call infoton), iii) change the substance including nuclear transmutation, and discuss the basic characteristics of the water in the next section [8, 9].

Here we report mulberry trees, leaves and silkworms effecting on leave, and silkworm of the SIGN water. Surprisingly, the silk fiber harvest was three times than that of usual years. We discuss the reasons from stand points from view point of physics and

chemistry of the SIGN water. The next theme is the spring onion growth without the sun light involving photosynthesis, and its taste. The effects relate to the SIGN water functions as well.

Furthermore, we introduce the revive of old peach trees with the hemp tape activated by the SIGN water.

Methods

We introduce infoton first; It is neither a hydrogen atom nor anion. Two particles in a hydrogen atom, "proton and electron" (fabricated with higher pressure than one hundred MPa) oscillate at the far-infrared frequency through terahertz, and infoton continues to exist stably. We report concrete explanations of the infoton reaction in Introduction.

We rolled up the special ropes around the ten mulberry trees in April, then harvest the leaves around August. In another prefecture, we performed the same on the peach trees for two years ago.

Results and Discussion

Mulberry Leaves

Essential Characteristics: The mulberry leaves contain zinc, magnesium, and calcium, in which calcium possesses 27 times more than milk except for vitamin C and other vitamins.

We saw many silkworms eating very quickly the mulberry leaves in the farmer's warehouse, which are only feed for silkworm. The mulberry trees absorb ground water, then the water can possess the SIGN water information through the hemp tapes round. Because the SIGN water includes the infoton, <H+~e->, pico-extended particle which transfers certain information from the hemp tape immersed in the water for three days. We assume becoming more active chlorophyll in the mulberry trees with the infoton.

Silkworms eat the leaves around the end of May actively, which become much better nourish involving the SIGN water.

The farmer told me happy news that the silk from the silkworm's harvest was three times than that of usual years.

Regarding Silkworm and Human Body Properties: The mulberry leaf is famous for crude drug (herbal medicine) two hundred years ago in Japan. The silk industry was prosperous 1860s through beginning of 1900s. It is said the leaf contains a plenty of plant fiber like seventy times than spinaches, eight times of burdock and three of green tea. The leaf functions for colon to promote breeding good bacteria, and said to be good for preventing diabetes and high blood pressure.

Silkworm forms main protein, fibroin in the center of silk, and sericin covers around silk. These proteins contain twenty kinds of amino acids like alanine and glycine closing to our skin constituents because less irritation to the skin.

Furthermore, static electricity is less likely to occur.

On the other hand, fiber thread thickness describes in denier unit, in which mass is one gram per 9000 m. the silkworm fiber thickness is about one denier corresponding to 0.03 mm, which is thin indeed.

(a)

(b)

Figure 1. Mulberry trees; fruits and leaves (a), and silkworms eats the leaves (b).

(a)

(b)

Figure 2. Silkworm forms silk fiber (a), and hatched larva (b)

Spring Onions and Regular Onions

They are shown in Figure 3. Onion is usually dried about one month after harvest because of keeping for longer, but spring onion is shipped to a market drying for one or two days so that we can enjoy the freshness. I like to eat it in raw; bonitos on sliced onions pouring soy source, this way to eat is delicious.

The eating way of spring onion is good from viewpoints of nutrition following; onion and garlic contain diallyl sulfide which functions blood clotting to suppress, sterilization, antioxidant, and decrease cholesterol in blood.

Allyl compound formula is containing two allyl compounds, -CH2CH=CH2. (Figure 4). We suppose the spring onion contains the small particle water because the plant roots absorb through an aquaporin with narrow part protein [10-12].

(a)

(b)

Figure 3. Spring onions and regular onion.

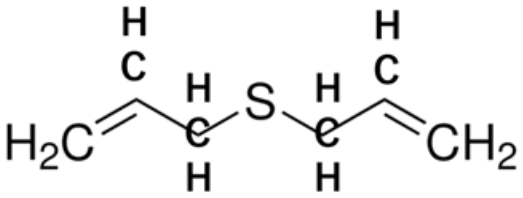

Figure 4. Diallyl sulfide (Ref. Merck document)

molecular formula $(CH_2{=}CHCH_2)_2S$

We calculated the energy (eV) from the amount of kJ mol [13].

The bonding energies of C-C and C-H are 3.6 and 4.3 eV (electron volt), respectively. The diallyl sulfide reacts easily with the infoton in the SIGN water.

Namely, diallyl sulfide may become more active.

More than that, bonito (dried bonito made from meat from the back of a bonito= Katsuobushi in Japanese) contains an essential nine-amino acid. It is taurine which is a sulfonic amino acid that the body can produce, and is especially concentrated in the brain, eyes, heart, and muscles.

And there are an eicosapentaenoic acid (EPA) helping our blood flow smoothly, decrease cholesterol, and containing taurine enhance functionality (Figure 5).

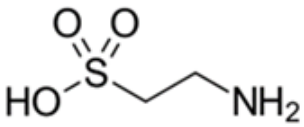

Figure 5. Taurine (amino ethyl sulfonic acid)

We order that the bonding energies are arranged from the smallest as follows;
S-O < C-N < C-S < N-H < C-H < O-H < S=O vs 2.76, 3.2, 3.6, 3.9, 4.3, 4.6 and
5.5 eV, respectively.

The infoton, <H+~e->, works for activation of taurine accessing to the bonding of the smallest energy on O=S. The following reaction may occur, although the O=S is the largest energy, 5.5 eV;

<H+~e-> + (O=S) (O=S) → H+ - 2 (O-S) → O2 + S.

The equation is not a chemical reaction, but it indicates the activation of taurine; namely, the electronic structure of S, 3S23P4, changes to 3S23P6 getting two electrons from the infoton leading to full the outer P orbital (the six- number are the maximum in the p orbital).

Revive of Old Peach Trees

The peach tree of more than sixty years old has not come into bearing for a certain year, but two years ago they wrapped the SIGN hemp tape (approx. five meter). In the last year, the tree fruits some, so they did not cut the tree.

These phenomena cause the effect on the chlorophyll change to the SIGN water of the ground water absorbed through the tree's roots by the hemp tape.

Mechanisms of the SIGN Water

We mentioned the three characteristics of the SIGN water beginning above.

Regarding silkworm and human body properties, we can explain the transferring information through the tape resulting in the change of ground water.

The spring onions get the information of the water leading to activate the substances of chemical compounds relate to nutrition, and we discuss the chemical reduction as well.

The chlorophyll may activate by the transferring information of the water, namely, <H+~e-> plays a role it. The transferring

information processes another important issue changing the substance in other word, nuclear transmutation [14, 15].

Conclusion

We developed the agriculture, substances including air and human health through the essential material water more than ten years. Here we report activation of silkworm through the mulberry tree leaves resulting human health.

The second theme is spring onions corresponding to the based substance in the onion taste since we reported regular onions growth without sun light.

This is also interesting report about peach tree which revives leading to fruits.

Then, we discuss these phenomena from the stand points of physics and chemistry. the chlorophyll may activate by the transferring information of the water, namely, <H+~e-> plays a role it.

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