

Vitalized Water

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There are currently two opposing views on vitalized water. Some authors consider everything around vitalized water as a pseudo-science. On the contrary there are good and positive insight. In this article are the water properties described in detail. Water vortex and magnetic field of permanent magnets changes some of the water properties. It is different in vitalized water created by different water vitalizers. Next aim of the article is to describe 8 ways how we can obtain vitalized water, measure the physical properties of vitalized water (diamagnetism, wettability, surface tension and conductivity) and compare the efficiency of these 8 ways of changing behaviour of water. There are 8 types water vitalizers: 1) a connector with a hole for 2 PET bottles, 2) a connector with magnets added, 3) a magnetic vortex vitalizer for water tap, 4) a vitalizer for a bathtub in the bathroom, 5) vitalizer with a motor and magnetic stirrer, 6) vitalizer with balls, 7) vitalizer for watering gardens and removing settled minerals in heating pipes and regulating heads, 8) vitalizer with shungite. The article will explain what is the diamagnetism of water. The water's magnetic properties change most.

Introduction

What characteristics should quality drinking water have?

Characteristics of the best water are:

1. Sufficient of dissolved oxygen.
2. Sufficient (abundant) mineral content.
3. Light alkalinity (pH about 8).
4. Micro-cluster size (reduction of the size of individual water clusters).
5. Hexagonal structured (similar substructures of snowflakes).
6. Great taste (by changing the surface tension and wettability).

Vortex vitalizers were designed to create an unlimited supply of water with new structure for everyday consumption. The vortex vitalizer is not a water purifier. Changing the size of water cluster can be done using a magnetic field. The magnetic field is formed either by strong neodymium magnets or by the rotation of water in the vortex structure. The structure of water with broken large clusters of water molecules can more easily penetrate into the cells of living organisms, both in the plant and in the human body. Small different water cluster in atmosphere are cyclic at low temperatures [3]. Turbulent forces of water vortex are increasing the amount of oxygen in drinking water – up to 30% in 20 seconds, thereby creating oxygenated water.

It is a known fact that bacteria, viruses and fungi cannot survive in an oxygen-rich environment. The lack of sufficient oxygen becomes a significant contributor to disease and ill health. One way to increase the amount of oxygen available to our tissues, is to drink an oxygen-rich water. Vitalizers create a vortex of spinning water incorporating oxygen similarly like it is created in Nature.

In fact, vitalized water holds more oxygen than unstructured water. Dissolved oxygen testing shows that vitalizers add significant oxygen – even to already good quality bottled drinking water.

One of the biggest problems for any biological organism is the removal of waste from the system. Each metabolic function produces waste that causes hardening of organs and tissues. If the body can eliminate waste more effectively, its life expectancy and overall health will increase. Vitalized water is richer in energy! It improves cell regeneration and promotes all metabolic functions. This affects health and slows down aging.

Even older people can maintain their health and vitality when the amount of vitalized (hexagonal) water in the body is sufficient. Physical properties of vitalized water: it has significantly greater magnetic field repellency – diamagnetism. We will measure the magnetic influence of MVVs (Magnetic Vortex Vitalizers) on properties of water. Vitalized water has greater wettability, greater conductivity and different surface tension. Vitalized water dissolves deposited minerals (an application for central heating tubes - in the central heating return). A suitable type of vitalizer can also be used when watering the garden - plugged into a watering hose. Furthermore, cut flowers in vitalized water will last significantly longer [8].

NMR is a valuable tool for indicating changes in water molecular structure. The width of the lines indicates an increased molecular structure. NMR showed that the vitalizer-treated water has a different molecular organization.

Ring structure of water molecule

Vitalized water can have a different structure than tap water because the water molecule is an electric dipole that has 4

electrons on the negative side (see Fig. 1c). The positive side has only 2 protons. Therefore, water molecules can be combined into different structures. The magnetic field has the greatest influence on the change in water structure. This magnetic field can be created by the water itself that rotates in the vortex. An external magnetic field can also be used for the vitalization of water by using strong neodymium permanent magnets.

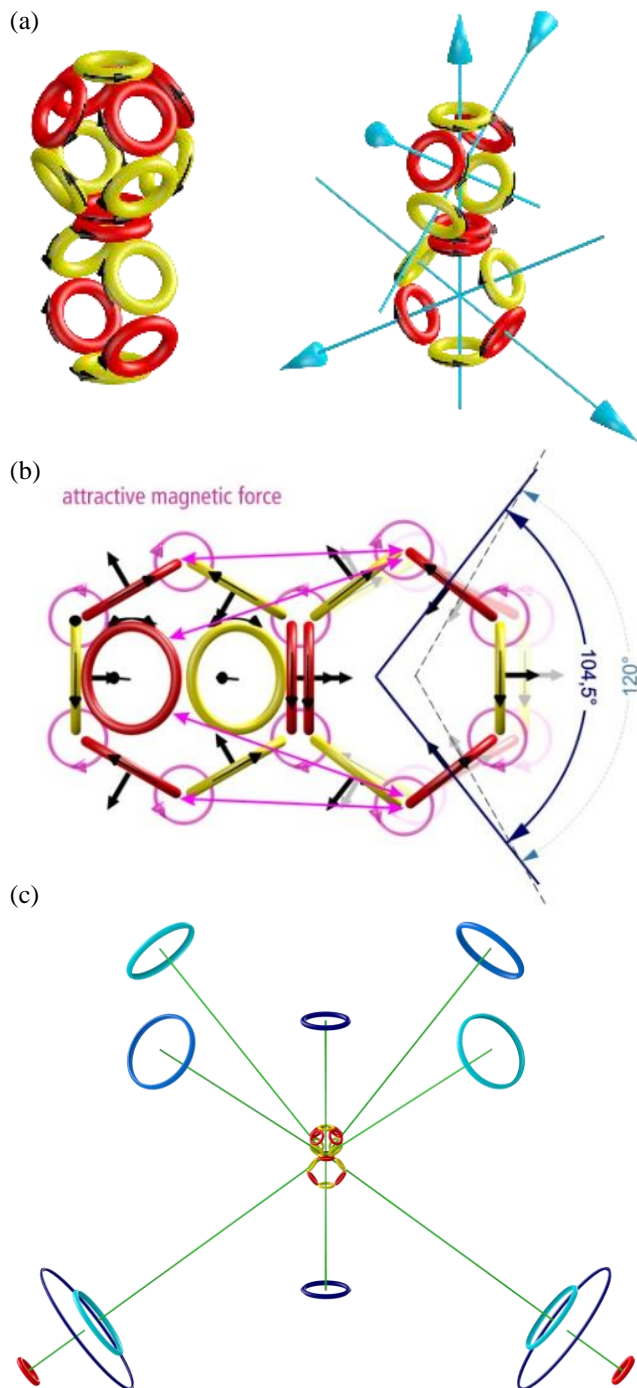


Fig. 1. Topological ring structure of nuclei [5] and water molecule: (a) oxygen and carbon with magnetic moments, (b) oxygen nucleus in water molecule, (c) topological structure of water molecule [4]. Red rings are protons, yellow ring are neutrons and blue rings are electrons.

Diamagnetism of water

Diamagnetic water is repelled by a field magnetic. Magnetic field creates an induced magnetic field in water with the opposite direction, causing a repulsive force. In contrast, paramagnetic and ferromagnetic materials are attracted by a magnetic field.

A thin slice of pyrolytic graphite (see Fig. 2), which is an unusually strong diamagnetic material can stably levitate in a magnetic field of 4 neodymium magnets.

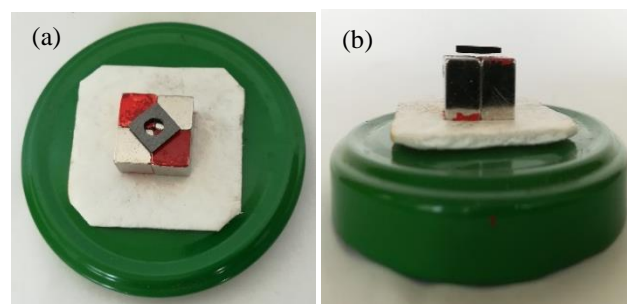


Fig. 2. Levitation of pyrolytic graphite: (a) top view and (b) side view.

This visually effective demonstration of diamagnetism can be performed at room temperature. Demonstration of pyrolytic carbon and water repulsion with pyrolytic carbon and water on a boat using a strong magnet is on Fig. 3. The repulsive force does not depend on the orientation of the magnet (N-S or S-N).

In every atom rotating charge of the electron levitates above the proton of the atomic nucleus [4]. The charge rotating inside the electron creates its magnetic field.

In diamagnetism effects any applied magnetic field generate currents in loops of electrons that would oppose the change. It is a similar way in superconductors, which are essentially perfect diamagnets.

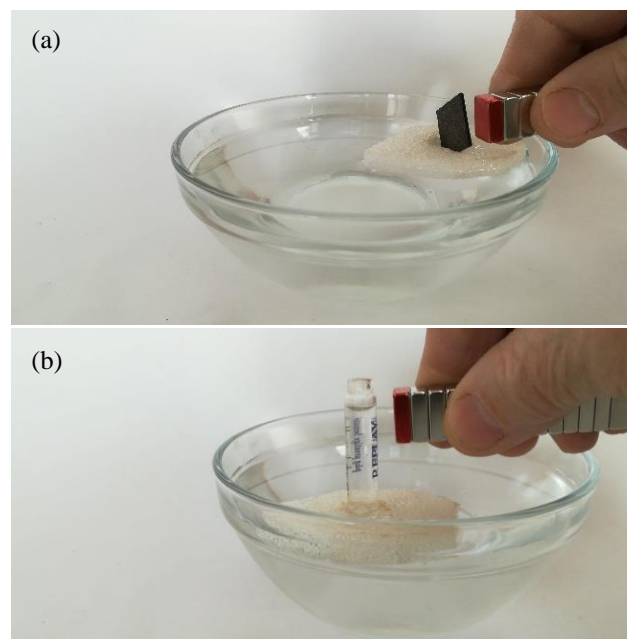


Fig. 3. Demonstration of repulsive diamagnetic force for a) pyrolytic carbon and b) bottle with water.

Ways to create vitalized water

Vitalizers can be divided into: 1) with a whirling structure, 2) with only two pairs of strong magnets (see Fig. 4d), 3) bypassing the balls (see Fig. 4h), and 4) without an external magnetic field (shungite on Fig. 4k). By rotating the water molecules in the vortex structure, a magnetic field is generated. The vortex structure can be created by pressurizing the water through a hole (see Fig. 4g), or using a magnetic stirrer that is rotated by the motor (see Fig. 4i, Fig. 4j) or by passing the balls (see Fig. 4h).

There exist 8 types water vitalizers (see Fig. 4): 1) a connector with a hole for 2 PET bottles, 2) a connector with magnets added, 3) a magnetic vortex vitalizer for water tap, 4) a vitalizer for a bathtub in the bathroom, 5) vitalizer with a motor and magnetic stirrer, 6) vitalizer with balls, 7) vitalizer for watering gardens and removing settled minerals in heating pipes and regulating heads, 8) vitalizer with shungite.



Vortex Power Spring [8] bottom left and [7] on the right side.



(e)



(f)



(g)



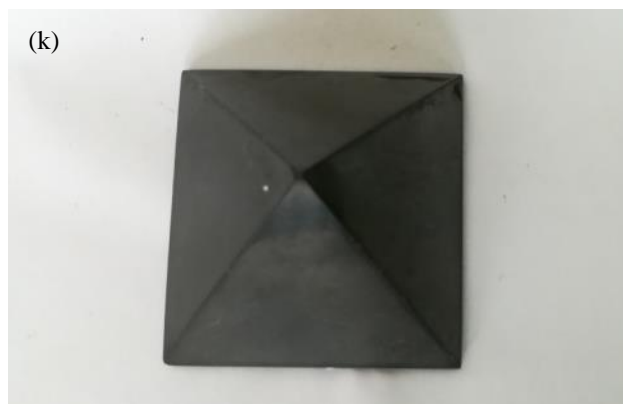
(h)



(i)



(j)



(k)

Fig. 4. Different types of vitalizers.

Experimental

Vitalized water changes its magnetic properties the most. Vitalized water has a significantly larger diamagnetic repellency than unvitalized water (measured by the device on Fig. 5). The change in conductivity, wettability and surface tension is not so pronounced. Therefore, to compare the characteristics of the different types of vitalizers, the measurement was performed on the original device for measuring of diamagnetism, which is the subject of patent proceedings (see Fig. 5). Therefore, its details cannot be given now.

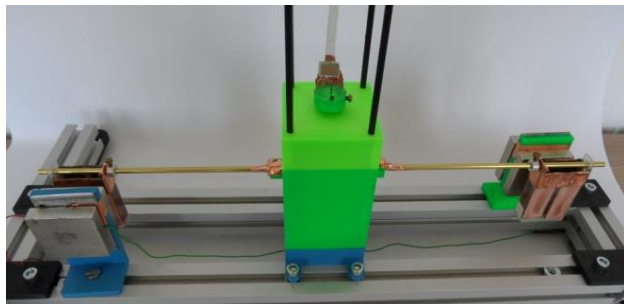


Fig. 5. Equipment for measuring diamagnetism of water.

There are currently opposing views on vitalized water. Some authors consider everything around vitalized water as a pseudo-science (e.g. [1]). On the contrary, good insight about water is in [2]. Here are the water properties described in detail. Water vortex and magnetic field of permanent magnets changes some of the water properties, which we will prove by measuring some water vitality created by devices (vitalizers). We can measure the physical properties of vitalized water (diamagnetism, wettability, surface tension and conductivity) and compare the efficiency of 8 ways of changing behavior of water. We compared behavior 8 types water vitalizers: 1) a connector with a hole for 2 PET bottles (see Fig. 4g on left site) or glass bottles (see Fig. 4g on right site), 2) a connector with magnets added (see Fig. 4a), 3) a magnetic vortex vitalizer for water tap in kitchen (see Fig. 4b), a vitalizer for a bathtub in the bathroom (see Fig. 4e, Fig. 4f and Fig. 4k), 5) vitalizer with a motor and magnetic stirrer (see Fig. 4i, Fig. 4j), 6) vitalizer with balls (see Fig. 4h), 7) vitalizer for watering gardens and removing settled minerals in heating pipes and regulating head (see Fig. 4d), 8) vitalizer with shungite (see Fig. 4k). A magnetic vortex vitalizer for vitalized water in kitchen can be created from a water aerator (see Fig. 4c). For this new type is patent registered. The quality of the vitalizers in Fig. 4b is better for versions on the right. Glass balls or round stones (see Fig. 4h) use the principle of vitalizing water in mountain streams.

Results and discussion

The influence of vitalized water can be observed on the growing of watercress. For watercress watered with vitalized water, only half the length of the roots is sufficient for the same aerial part (see Fig. 6).

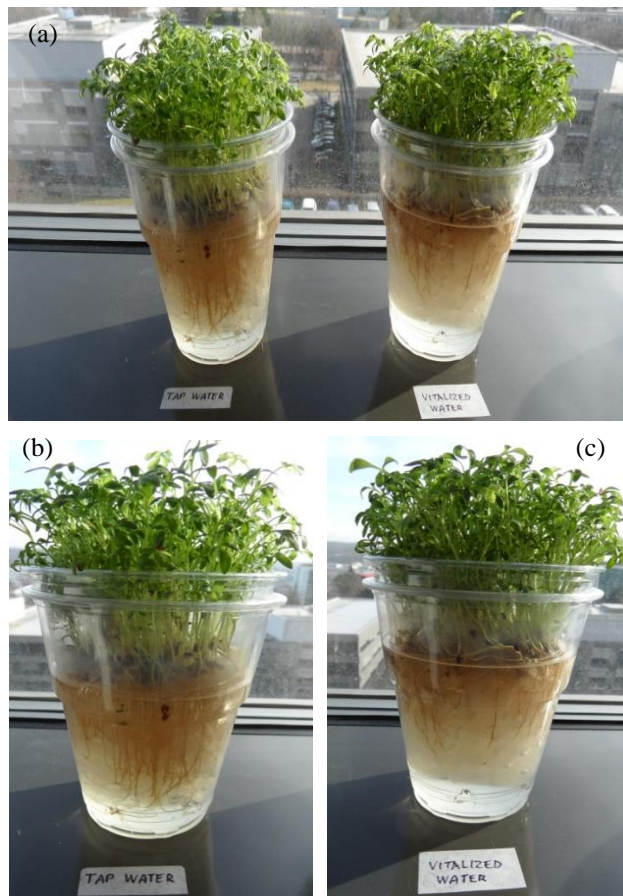


Fig. 6. The growing of watercress.

The influence of vitalized water on the appearance of cut flowers during several days is demonstrated on Fig. 7 and Youtube [9].



Fig. 7. Roses watered with unvitalized water are on the left and roses watered with vitalized water are on the right: (a) at the beginning of the experiment; (b) after a few days.

Conclusion

The aim of the article was to demonstrate through experiments that vitalized water exists and that information about this water is not pseudoscience.

The best human body detoxification is:

1. sweat in the sauna
2. take a shower
3. massage
4. bathe in vitalized water (see 4e,f) with herbs and shungite (it is a new type of spa procedure)
5. drink vitalized water
6. meditation

Acknowledgements

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Keywords

Ring structures of the proton the neutron and the electron; vitalized water; diamagnetism of water.

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