



Protocol

On research of "Rose Drops spring water", produced by Eurounico by the method of energy spectra of water.

Experiments and objects :

Object of the study was mountain spring water with rose extract, produced by Eurounico. A sample of this water, together with a control sample of distilled water were transferred from the place of receipt at the laboratory and measured on 19.2.2015g.

Method:

The research method of calculation of the energy spectrum of water consists of measuring the change of the wetting angle of water droplets that lie on the hydrophobic film vaporizing at a constant temperature, relative air humidity and flow rate of the latter in a special closed measuring chamber. The method is described in the book A.S.Antonov, T.D. Galabova - "Water - known and mysterious", 2014., Edition of the Southwestern University "Neofit Rilski" - Blagoevgrad, ISBN 978-954-680-927-8. Water energy spectrum is a function of the distribution by energy of the hydrogen links between water molecules $f(E)$, measured in eV^{-1} . In the course of the experiments were measured following values:

f_1 - energy spectrum of the sample

f_k - energy spectrum of the control

$\Delta f_1 = f_1 - f_k$, differential energetic spectra

From the energy spectra were calculated the average energies of the links between water molecules \bar{E}_1 , \bar{E}_k (expressed in units of eV) and energy changes:

$$\Delta \bar{E}_1 = \bar{E}_1 - \bar{E}_k$$

To measure the activity of the sample were used values as $\Delta \bar{E}$ and $\Delta f'$ (at energy $E = -0,1112$ eV), and to characterize the degree of compensation of the influence of external factors on the geophysical structure of water the coefficient of linear correlation was calculated $R(f_k, \Delta f)$.



Experimental results and analysis:

The sample f_1 and control f_k were measured simultaneously at 19.2.2015g. Fig.1 represents the differential and the control spectra.

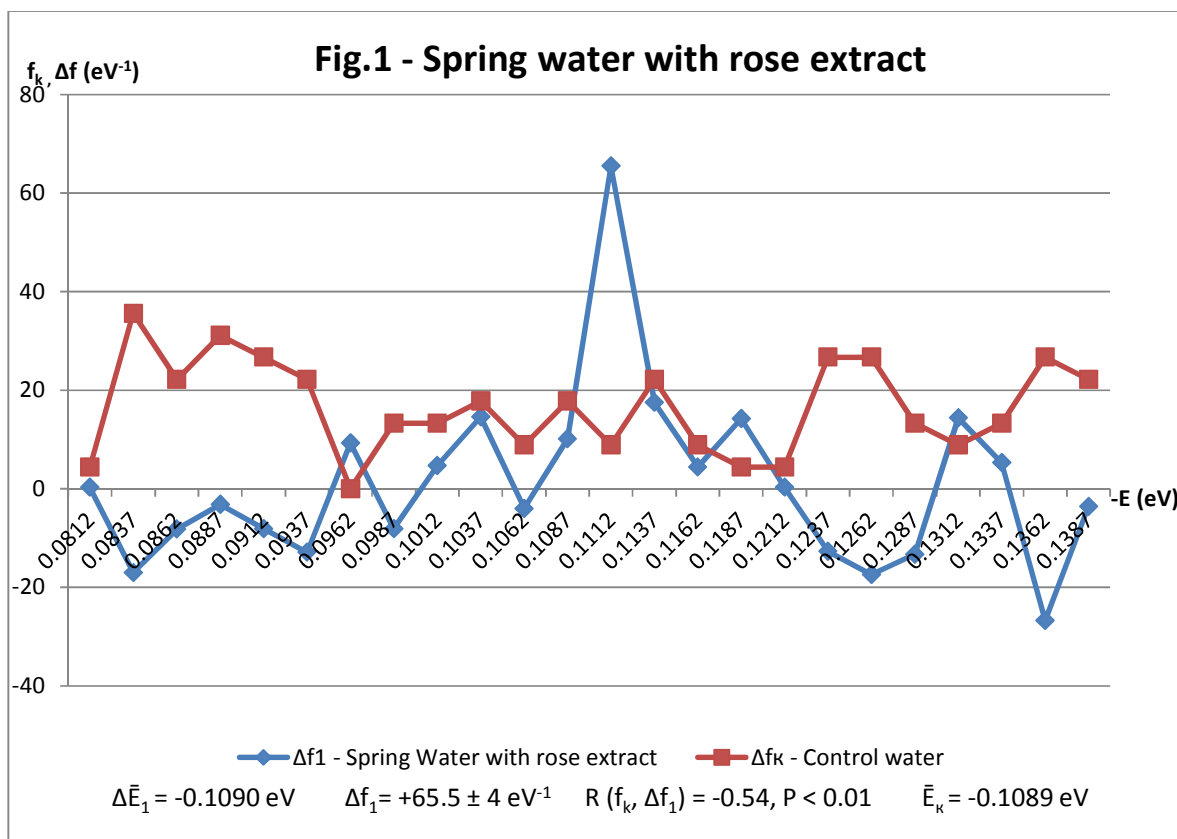


Figure 1 Differential energy spectrum Δf_1 and control spectrum f_k of the spring water with rose extract.

From the experiments came the following results:

$$\Delta \bar{E}_1 = \bar{E}_1 - \bar{E}_K = (-0.1 \pm 1.0) \cdot 10^{-3} \text{ eV}$$

$$\Delta f_1 = f_1 - f_K = (+65.5 \pm 4) \text{ eV}^{-1}$$

$$R(f_k, \Delta f_1) = -0.54, P < 0.01$$

$$\bar{E}_K = -0.1089 \pm 0.0010 \text{ eV}$$



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Note that the negative sign on the change in the average energy of links between water molecules $\Delta\bar{E}$ means that the energy of the hydrogen links between water molecules increases and vice versa. Positive change in the distribution function Δf at energy $E = -0.1112$ eV (peak of the activity) means that the water is biologically active and stimulates vital functions of the body. The coefficient of linear correlation $R(f_k, \Delta f)$ - its significant negative value means that the studied sample of water has the ability to compensate for fluctuations in the energy spectrum of the water under the influence of external factors such as variations in atmospheric pressure, Earth's electric and magnetic fields deformations of the earth's crust, solar activity and more.

From the results it can be concluded that the investigated spring water with rose extract shows (in Δf_1) extremely high biological activity and therefore - stimulating vital functions effect. With respect to the average energy of the link between water molecules \bar{E} , the sample is close to the distilled water. As to the coefficient of linear correlation $R(f_k, \Delta f_1)$ - it has a significant value at a level of 1%. This shows that surveyed sample of the water has a significant balancing effect on the human body in a sudden change of environmental factors.

Measurements were carried out by A.S.Antonov and computer processing of the results by K.Galabov.

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