

Origin of Life and Living Matter in Hot Mineral Water / Water in the Human Body is the Informational Bearer of Longevity

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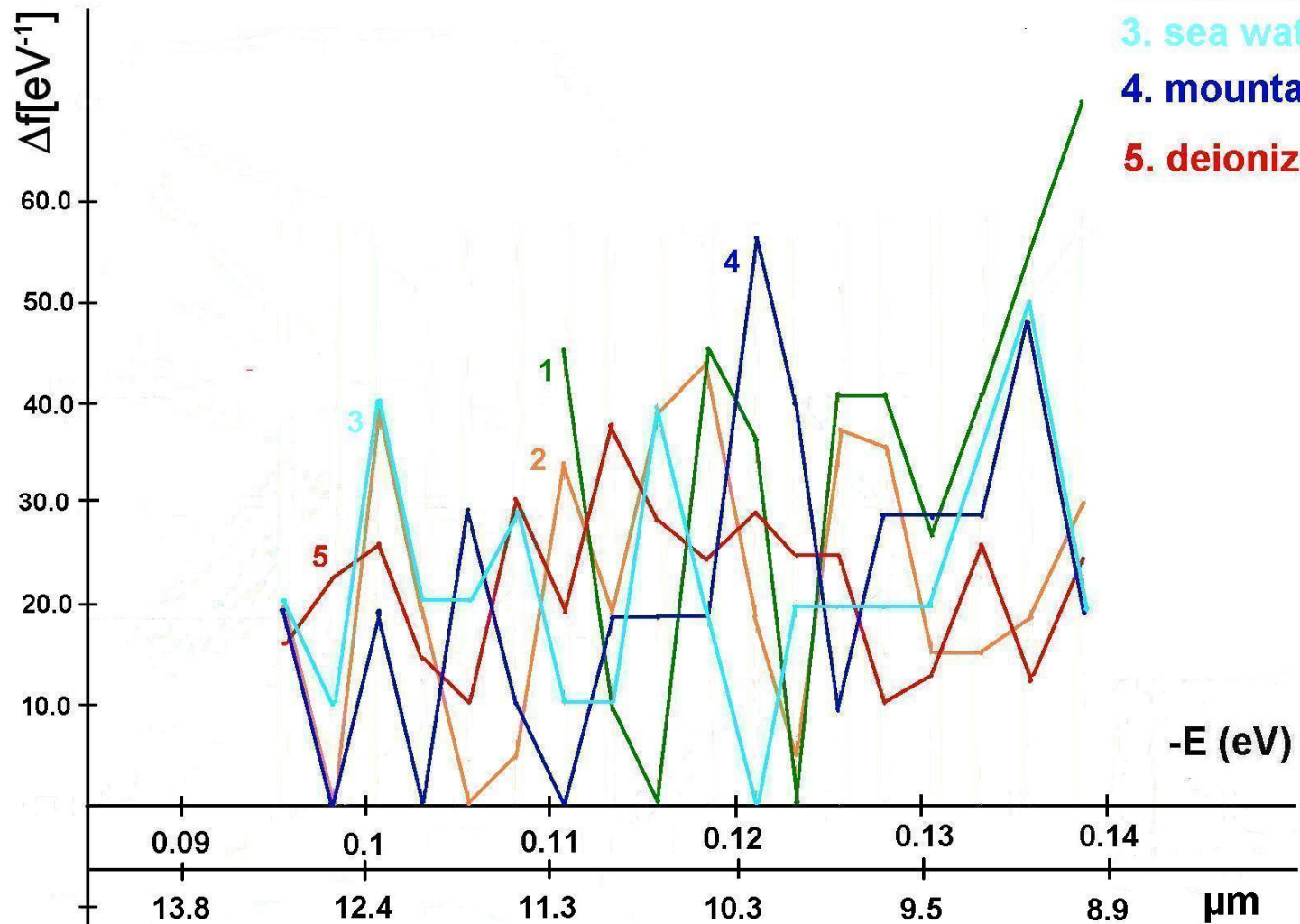
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Origin of Life and Living Matter in Hot Mineral Water

Mineral water with calcium and bicarbonate ions from different springs was examined with infrared spectroscopy by method DNES of Anton Antonov. The spectra of hot mineral waters were closest in values to the biggest local maximums of the spectra of cactus juice. Peaks were found at -0.1112, -0.1187, -0.1262, -0.1287 and -0.1387 eV. Similar amplitudes in the spectrum of sea water were observed at -0.1362 eV.

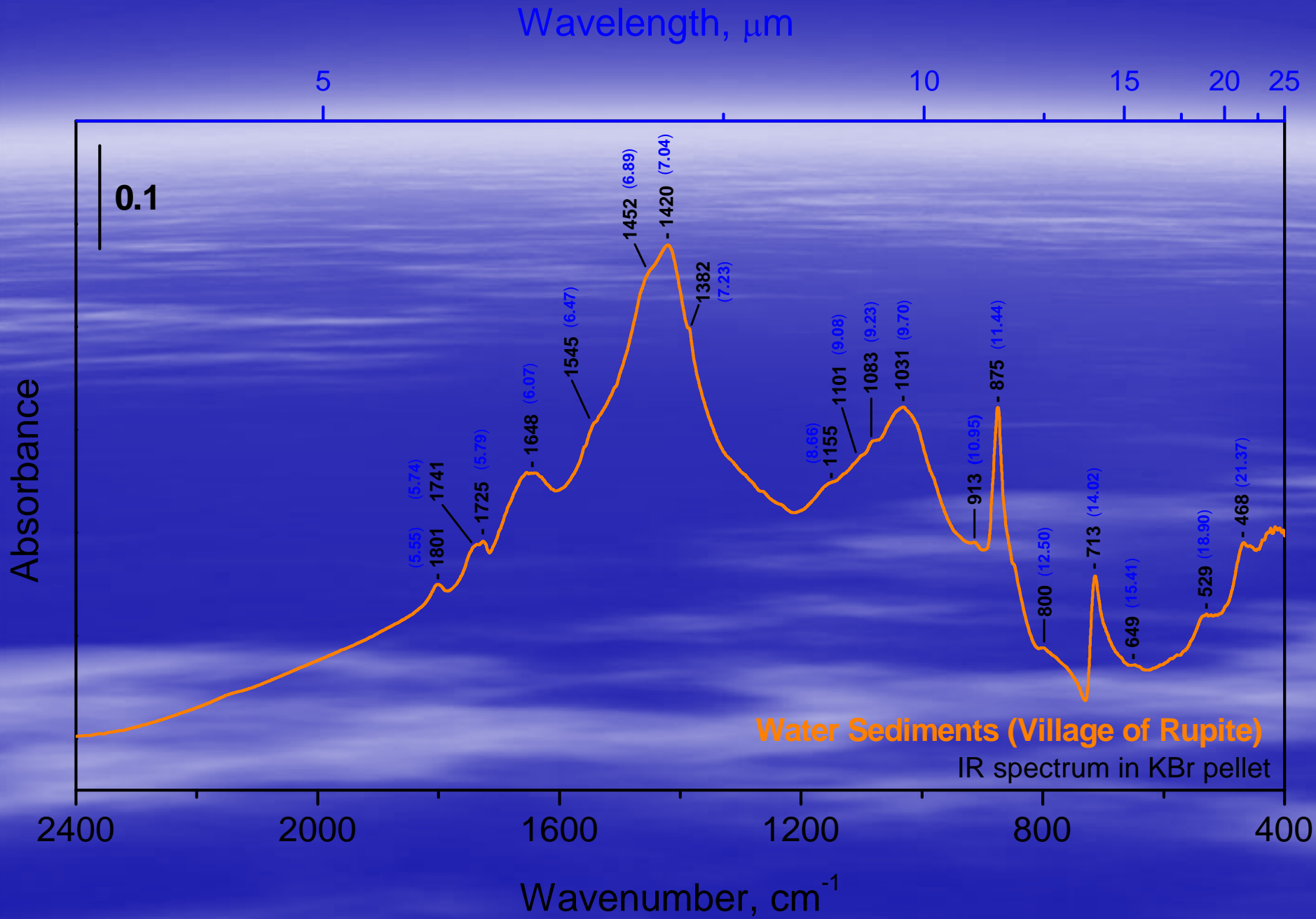
Dr. Ignatov, Dr. Mosin, 2010

- 1. juice plant, cactus
- 2. mineral water, Rupite
- 3. sea water, Varna
- 4. mountain water, Teteven
- 5. deionized water



Spectral analysis of water and liquids by method DNES

- **The infra-red spectrum of water from Rupite was recorded on a Thermo Nicolet Avatar 360 Fourier-transform IR spectrometer with DTGS detector. The research was conducted from Kristina Chakarova, Institute of Physicochemistry, Bulgarian Academy of Sciences.**



- At 9.7 μm or -0.1287 eV obtained value of local maximum. A value of local maximum at 9.64 μm or -0.1278 eV was obtained with the infrared spectroscopy method DNES. The statistical reliability of the DNES method is ± 0.0011 eV. The local maximum obtained with the DNES method at 9.83 μm (-0.1262 eV) and 8.95 μm (-0.1387 eV) are located on the spectral curve of the local maximum 9.7 μm (-0.1287 eV).

Parameters of water spectrum (Ignatov, Mosin, 2010) of hot mineral water for origin of life:

Cactus Juice	M. Water (Rupite)	Sea Water	μm	cm^{-1}
-Ex (eV)	-E (eV)	-E (eV)		
0.1112	0.1112		11.15	897
0.1187	0.1187		10.45	957
0.1262	0.1262		9.83	1017
0.1287/ 0.1278	0.1287/ 1278		9.64 / 9.70	1037/ 1031
0.1362		0.1362	9.10	1099
0.1387	0.1387		8.95	1117

- **The evidence were indicated that the origin of life depends on the properties and structure of water and also on additional conditions**

- The polycondensation reaction of aminoacids is related to dehydration.
- The reaction's rate increases with the separation of water.
- This is evidence that the origin of life has occurred near volcanoes.
- It is not entirely proven whether the primary Ocean was alkaline.
- Mineral water has been alkaline.

- **In 2009 Mulkidjanian and Galperin claimed that is rich in potassium, zinc, manganese and phosphate ions, which are not widespread in marine environment, and have lower amounts of sodium ions than outside.**

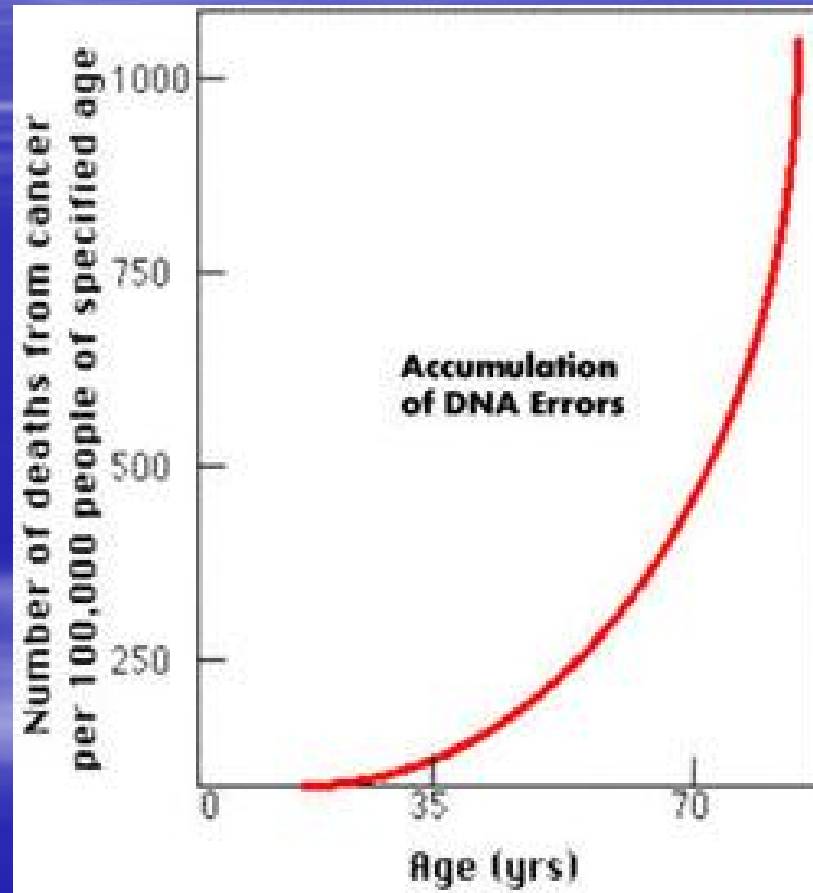
- Ward was studying microbes in Yellowstone National Park in USA and they are forming stromatolites in hot water similar to ancient organisms 3.8 billions years ago.

- Sugawara was created protocells, which are similar to bubbles in hot water. Oleg Mosin claimed the water for origin of life contains more deuterium molecules.

- The following reactions are valid:
- $\text{CO}_2 + \text{OH} = \text{HCO}_3$
- $2\text{HCO}_3 + \text{Ca} = \text{CaCO}_3 + \text{CO}_2 + \text{H}_2\text{O}$
- It is assumed that the second reaction has been valid upon the origination of the stromatolites.

- **Aging is associated with accumulation of errors in DNA replication. In 1963 Orgel demonstrated that the accumulation of errors in protein synthesis increases exponentially with age.**

Probable dependence between accumulated DNA errors and cancer mortality (Orgel, 1963)



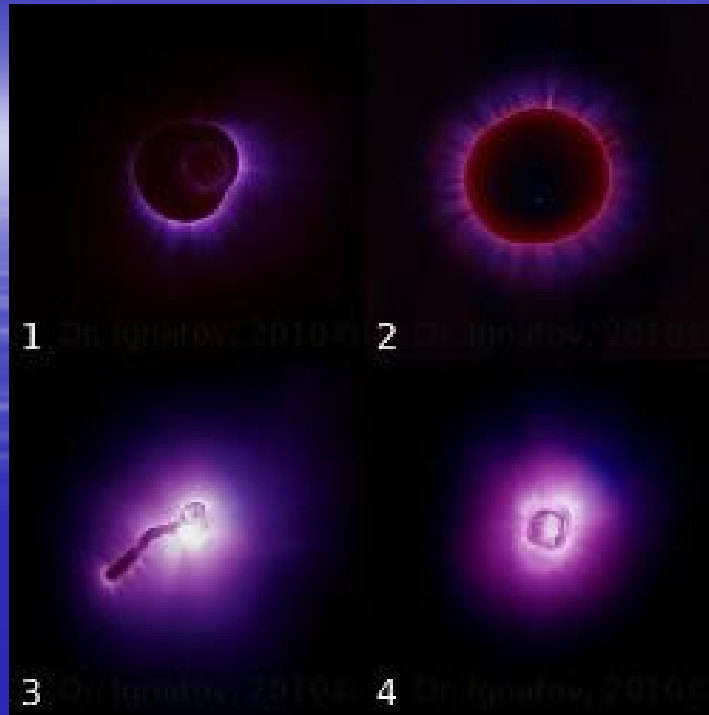
- **From 1960 to 1965 the Russian scientist studied centenarians in Russia. It is well known that most of the Russian centenarians live in Dagestan and Yakutia – 353 and 324 persons per million inhabitants. This figure for Russia is only 8 people.**

- **Ignatov and Mosin considered the possibility of extending human life and reducing errors in transcription and replication of DNA in the synthesis of proteins depending of the water we drink. Analyses of water on the water on the planet show that mountain water contains the smallest amounts of deuterium atoms in water molecules.**

- **Studies were performed on 1% solution of blood serum with method of spectral analysis. The samples were divided into 2 groups of people between 50 and 70 years of age.**

- **The first group consisted of people of excellent health. The second group consisted of people a critical state and suffering from malignant tumor.**

- **Ignatov and Mosin were claimed that the influence of the deuterium atoms in water on the human body is rather on the spectrum and thence on the vital functions.**



- Color Coronal (Kirlian) Photography of water samples on photographic film
- with method of Dr. Ignatov:
 - 1 drop - tap water,
 - 2 mountain water drop, Teteven, Bulgaria,
 - 3 drop - seawater, Hammamet, Tunisia,
 - 4 drop - karst and mineral water, Zlatna Panega, Bulgaria,

- **The experiment shows that for different water a different electric image is obtained (Ignatov, 2010). The dielectric permittivity of water is high and this is important for its properties as a solvent. Kirlian images of water droplets show that different water perceives differently the electric field.**



- Ignat Ignatov and Oleg Mosin have publications on the topic water in the scientific journals Water: Chemistry and Ecology, Chemistry, Biopharmaceutical journal, Nanotechnologies and nanomaterials, Scientific review, Consciousness and Physical Reality, Euromedica etc.

- **Days of Mountain Water was organized for the first time in the world in Teteven, Bulgaria in 2010.**
- **Welcome for the event on 11 of June**