

1<sup>st</sup> Global

## GEOTECHNICAL AND WATER RESOURCE ENGINEERING SUMMIT

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## Alexander Trofimov

*Institute for Scientific Research in Cosmic Anthropoecology, Russia*

### Water as important geocological resource for the strategy of humanity's survival

In conditions of continued decrease in induction of the Earth magnetic field, reduction of its buffering properties and corresponding increase in access of solar corpuscular energy flows to biosphere, the problem of surviving of humanity and biotechnological protection of all living on our planet is becoming one of the most actual concerns. The aim of the study was development and approbation of effective non-medicinal helioprotective means on the base of drinking water, widely available to the population of different countries. As a result of scientific research in 2007-2016 such remedy was found—it is water, which has passed a special technological processing in the installations with weakening of the magnetic field of the Earth many times (patent of RF № 2342149) (photos 1,2). It has been shown that drinking water «HELIOSTAR», after its exposure in these conditions, acquires the most important qualities of helio-magneto-geroprotector, when a new structured water systems of an organism appear to be able to change the character of dependence of biothermodynamic processes, estimated by the ratio of stable isotopes of carbon ( $^{13}\text{C}/^{12}\text{C}$ ) in the tissues on the intensity of many heliogeophysical factors and thus reduce the rate of aging of an organism. At taking drinking water, processed in the “open space”, the vector of associations (correlations) of the functional activity of the various systems of plants, animals and human beings with many dangerous to life and health heliogeophysical factors is also positively changing. Thus the range of new technologies of preventive medicine is replenished by effective non-medicinal helio-heroprotective means, which can reduce helio-dependence of an organism, risks of many heliodependent diseases and rapid speed of human aging. Resource of new type of drinking water should become one of the main elements of the global system of geocological life-supporting and survival of humanity at modern conditions of cosmoplanetary changes.

### Biography

Alexander Trofimov has received Diploma of the Doctor from Novosibirsk State Medical University in 1973 and Doctor of Medical Sciences in 1998. He has served as ISA Professor in 1999, Academician of International Academy Energy-informative Sciences in 2001, Academician of ABI, USA in 2010, General Director and Chief of Scientific Council of International Scientific Research Institute of Cosmoplanetary Anthropoecology (ISRICA) and Chief of Laboratory Helioclimatopathology of Science Center of Clinical and Experimental Medicine of Siberian Department of Russian Academy of Medical Science. He has also received DSc from Open International University for Complementary Medicine in India in 1998. He wrote more than 300 scientific works, 7 monographs and received 9 patents. His basic research interests are in heliobiology, cosmic anthropoecology, geocology, geophysics, helioclimatopathology, preventive medicine and investigation of water as a helioprotective mean.

[isrica2@rambler.ru](mailto:isrica2@rambler.ru)

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