



Project - Winner - Gold medal and I-th first place at the III Russian Forum "The Russian capital" and VIII Fair business angels and innovators
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UDMURT STATE UNIVERSITY

A NEW GENERATION OF AGRO BIOTECHNOLOGIES AND FOOD PROCESSING TECHNOLOGIES BASED ON ACTIVATED WATER SOLUTIONS

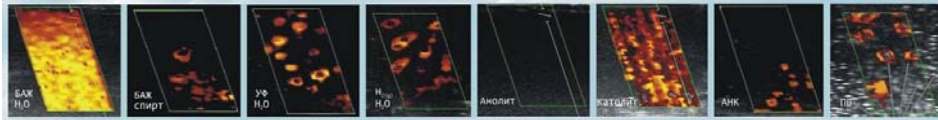
Project mission: Obtaining biologically active condensed mediums (disinfecting, sterilizing & washing solutions, substance, and bio-products); selection of new sorts of plants, animals, birds and fish; cleaning and disinfection (particularly, for water pipes, premises); pH adjustment of soil; increasing the volume of harvest and the weight of young animals; prevention, treatment of diseases and protection against them.



Influence of activated mediums on biosystems

The technology's main principles

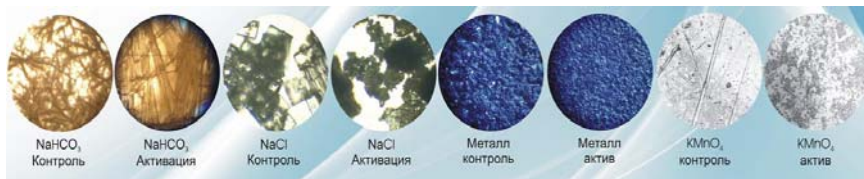
The core is Resonance Non-Linear Technologies (RNT) of contact and non-contact activation of solutions that are based on placing liquids in non-equilibrant thermodynamic state with resonance microcluster structures, with increased energy and extra coherent electromagnetic radiation.



Detection of resonance microclusters in activated water solutions

Market

Target companies are agricultural, food and processing companies, farmers working with animals, birds, fish, and plants. Cost for processing 1 m³ of water: from 0,1 ruble (depending on application)



Microphotographs of solid substances obtained by non-contact method (AM-RNT)

Advantages

Compared with others water processing technologies our technology of processing and production of activated water solutions and solid substances (AM-RNT – activated condensed mediums based on RNT) has several advantages in effectiveness, production cost, security and storage. For example, our solutions exceed hypochlorite in effectiveness against bacteria over 300 times. For cleaning and disinfection of water, pipes, places for living AM-RNT is used in proportion **1:250000** (for pipes' diameter ~1...2m, 40-200 km length), **1:20000** (for hospitals, schools, farms, and agricultural processing companies), **1:1000...1** (for water sources).



The state of development

The technology is used in serial production, is certified by the patents of the Russian Federation, the USA and international application forms in cooperation with South Korea, and has been tested for 20 years in Russia and for 10 years in the USA.

Required financing: from 2 500 000 to 25 000 000 rubles.

Prospects of development

Plans: wide applications in all spheres connected with water consumption and disinfection products, sales volume increase in 2010-2012 to 20 000 000 – 50 000 000 rubles.

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