

**Alterations with Bio electromagnetic Fields in Bacterium Bacillus
subtilis and Brevibacterium methylicum B-5652.**

Analyses of the Effects of Genome.

Report of 1.11.2015

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Research Project: In the research the influence with bio electromagnetic fields (bio e.m. fields) is performed by Eng. Christos Drossinakis and Bettina Maria Haller.

Abstract

The nature of biological adaptation to heavy water with bio e.m. fields on cells of various taxonomic groups of prokaryotic and eucaryotic microorganisms realizing methylotrophic, chemoheterotrophic, photo-organotrophic, and photosynthetic ways of assimilation of carbon substrates was discussed. It was demonstrated that the effects observed at adaptation to heavy water with bio e.m. fields, possessed a complex multifactorial character and were connected to cytological, morphological and physiological changes – the magnitude of the lag- period, time of cellular generation, output of biomass, a parity ratio of synthesized amino acids, proteins, carbohydrates and lipids, and also with an evolutionary level of the organization of the investigated object, and the pathways of assimilation of carbon substrates as well.

Results

The data suggests that adaptation to heavy water with bio e.m. fields is a multi factorial phenomenon, affecting many cellular systems, as biosynthesis of macromolecules, metabolism and cellular transport. From these results were performed the analyses on genome and medical effect on cancer, metabolic diseases, Parkinson etc. In 2015 was performed research of effects of electromagnetic waves (e.m. waves) emitted from Chrsitos Drossinaksi and Bettina Maria Haller. The study was performed by Ass. Prof. Oleg Mosin (1966-2016)and Prof. Ignat Ignatov in Biotechnology Department, Moscow State University of Applied Biotechnology, Russian Federation. The actual research was made in 2019. Prof. Chrsitos Drossinaksi and Bettina Maria Haller were able to change the disturbances in DNA and increase the energy of DNA bonding.

Conclusions:

The results of Eng. Christos Drossinakis and Bettina Maria Haller with influence of bio e.m. waves show that there is a potential for alterations of errors in DNA with effects on cancer, metabolic diseases, Parkinson etc. The biggest problem of cancer is that of DNA replication from one mother to two daughter cells with errors in the copies from cancer. With Drossinakis's method there is an improvement of replications. Then there is a stable effect on cancer at molecular and cellular level. The Genome project presents a potential for strengthening of immune systems, and especially T-cells.

Ass. Prof. Mosin is a holder of award in 1995 for science from the President of the Russian Federation Boris Yeltsin.

<http://www.medicalbiophysics.bg/en/mosin.html>

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