

Background mechanisms of molecular structure imprinting into water

(Abstract)

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Background

In spite of strong opposition from the orthodox scientific circles, the imprinting of molecular structures into water is gradually becoming a part of the accepted science. More and more high-quality researches of this still not satisfactorily explained phenomenon exist, stemming from the physicochemical area via cellular and tissue models up to clinical researches. When an unexplained phenomenon is here, the next logical step would be to disentangle its causal background.

Aims

The theoretical field trying to explain this phenomenon is not an empty shell. There already exist some more or less developed hypotheses, however, no one of them has as yet been validated. In view of Ockham Razor, we should strive to find the hypothesis that has the greatest possibility to satisfactorily cover the majority of water imprinting phenomena.

Methodology

We contrast the known facts about imprinting with the most developed theories to find out, which hypothesis could cover the phenomenon in the most comprehensive way.

Results and discussion

None of the applied hypotheses belongs to conventional science, although the majority of them are based on it. They span from more molecular world mostly pivoting around the H-bond up to the world of the superfluid quantum vacuum. Mostly, they resort to quantum mechanics or quantum field theory. In this sense, we may sort them in the following order: nanomaterial theories (Rajendran, Chikramane), hydrogen bonded clusters theory (Chaplin), the theory of chains of changed water ferroelectric state (nano-pearls hypothesis by Meessen, extended dipole moment hypothesis by Cartwright), the basic and the extended theory of coherent domains (Preparata – Giudice – Yinnon), water structures based on superfluid quantum vacuum (Meijer, Geesink).

Conclusion

Based on more and more extended research, theoretical considerations of mechanisms of molecular structure imprinting into water are developing with acceleration. They are still inconclusive; however, they more and more connect the mesoscopic level of water molecules with electromagnetic field and quantum vacuum.

KEYWORDS

imprinting into water, mesoscopic level of water, water clusters, coherent domains, nanoassociates, quantum vacuum

My picture:



Short biography

Igor Jerman graduated from biology at the Biotechnical Faculty in 1980, in 1982 he became a Master of Science and defended his doctorate in 1984. In 1985/6 and 1989 he undertook a postdoctoral study at the Open University, Biology Department with Prof. Brian Goodwin. In 1987 he became an Assistant Professor in the field of theoretical biology (Biotechnological Faculty (BF) University of Ljubljana, in 1993 Associate Professor in the same field and in 1999 a Full professor. In addition to the educational work, he is one of the founders of the Bion Institute in 1990 where he acts as its professional leader and director. In the field of science, he is focused on the research concerning the detection of weak emissions from organisms, long-range order in water and effective transfer of molecular information into various media. He has an extensive international and domestic scientific bibliography.