Universal Meaning of Living Matter

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Abstract: In the history of classical science, the terrestrial biota has never been considered a fundamental and, therefore, universal natural phenomenon, which is fixed in the standard model of elementary particles and cosmic models of galaxies, stars, planets, consisting of dead matter and fields. Living matter is considered a random phenomenon, while the laws of

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the micro- and mega-world are indisputable and precise in the mathematical sense. Due to the persistent conservatism of science, the picture of such a lifeless cosmos is taught in schools and universities. However, at the forefront of science, such a model of the world has always been questioned. The new concept of the living was finally formed in the biogeochemistry of Academician V. I. Vernadsky. He proved that life is not accidental, eternal, and has never originated from dead matter. Living matter functions in all aspects of the world – from elementary particles to the universe, and forms the cosmic bodies that we observe. Consequently, real time-space is formed in the living and only in it. Accordingly, it enters into complex relationships with the time and space of sciences describing the lifeless universe, which can be called virtual.

The article examines the problem of two types of time and space in the history of science.

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