



504/E1

Origin of life on earth: some new concepts on the probability theory

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Probability figures published by scientists for the formation of a living cell or part thereof by conventional chemical and physical means are extremely small, almost zero. They are being quoted by some to argue that life could not have originated in this fashion. The paper explains, viewing from a different perspective, and taking into account other Earth-like planets in the Universe and beyond, that the probability could be unity (*i.e.* fully probable). Thus, if this theory is accepted, the formation of a single living cell on a single planet, on random basis, was a must. The paper argues that, origin of life did not take place on Earth as we normally understand, but rather, the planet where it originated and evolved (per Darwin's theory of evolution) into present day life, became known as Earth. The same theory shows that the probability of repetition, to form similar life forms on other planets is so small, that it is not possible for life as on Earth to exist anywhere else in the nearby universe.

The paper also describes how a second organism would have originated again based on probability. Thus a complementary link to Darwinian evolution is presented.

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