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A POSSIBLE ORIGIN OF BIOHOMOCHIRALITY: INTERACTIONS AMONG WATER AND MAGNETIC FIELDS?

Abstract

The origin of biohomochirality is still inexplicable, in fact many molecules in natural biosystems have been found to be chiral and to have the same chirality; e.g. deoxyribonucleic acid (DNA) only contains dextro-rotatory carbohydrates. Moreover, the puzzling origin of the magnetic field sensitivity almost ubiquitous in living systems, animal and plants, from unicellular to mammals, deserves to be faced up thanks to new ideas.

So, despite being aware that our insights are at preliminary stage, we present a discussion about how mirror-symmetry breaking in liquid water may contribute to the origin as well as pervasiveness of biohomochirality, maybe via the Earth magnetic field influence.