

On possibilities of static magnetic field influences on biochemical reactions

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There has been a growing interest during last 20 years in the area of constant magnetic field (cmf) effect on the living organisms. The mechanisms proposed for cmf action postulate, among others, that cmf may influence the enzymatic reactions. The present work includes experimental data in this respect followed by theoretical considerations. The paper deals also with the spin states in free radicals recombination, and with two phenomena: CIDNP and magnetic isotopic effects. These latter phenomena shed a new light on the mechanisms by which cmf may influence biochemical reactions.