

Abstract Submitted
for the MAR15 Meeting of
The American Physical Society

Bacterial Growth in Weak Magnetic Field SAMINA MASOOD, University of Houston Clear Lake — We study the growth of bacteria in a weak magnetic field. Computational analysis of experimental data shows that the growth rate of bacteria is affected by the magnetic field. The effect of magnetic field depends on the strength and type of magnetic field. It also depends on the type of bacteria. We mainly study gram positive and gram negative bacteria of rod type as well as spherical bacteria. Preliminary results show that the weak magnetic field enhances the growth of rod shape gram negative bacteria. Gram positive bacteria can be even killed in the inhomogeneous magnetic field.

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Date submitted: 13 Nov 2014

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