STUDY OF PHYSICO-CHEMICAL AND BIOLOGICAL PROPERTIES OF GANGA WATER AT MISHERPUR(HARIDWAR) AND ITS IMPACT ON *CUCURBITA MAXIMA*

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Abstract : An experiment was conducted at Misherpur (Haridwar) during June 2010 . The water samples were collected from Misherpur (Haridwar) The parameter adopted for knowing the pollution load of samples were Colour , Odor, Temperature , D.O (Dissolve Oxygen) , B.O.D (Biochemical Oxygen Demand) , C.O.D (Chemical Oxygen Demand) , Ph , Nitrate , Nitrite ,T.D.S (Total Dissolve Solids) , T.S.S (Total Suspended Solids) , Amm Nitrogen , Total Nitrogen , Alkalinity , Hardness , Chloride , R-Cl (Residual Chlorene) , Turbidity , Metal , Tc (Total Coleform), Fc (Fecal Coleform) , Abundance of fungi and presence of Phyto-planktons. The *Cucurbita maxima* was selected for observing the effect of polluted water. The seven concentrations (0% ,10% ,20% ,40%, 60%, 80% 100%) were used to see their effect on germination and growth of plant .In the result 80% concentration was found more beneficial for plant growth and germination.

Keywords : *Cucurbita maxima*, Ganga water, Seed germination, Seedling growth

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