

## CERTIFICATE

This is to certify that the dissertation entitled “**Adsorption studies on domestic waste water using synthesized silver nanoparticles from aqueous leaf extract of *Parthenium hysterophorus***” submitted to Department of Biotechnology, Karpagam Academy of Higher Education, Coimbatore in partial fulfilment of the requirement for the award of the Degree of Bachelor of Science in Biotechnology is a record of original research work done by **Ms.D.Ponmegavarshini (17BTU097), Mr.M.Dineshkumar (17BTU071), Ms.S.Swathi (17BTU056), Ms.J.Sushma (17BTU118)** during the period of study in the Department of Biotechnology, Karpagam Academy of Higher Academy, Coimbatore under my supervision and guidance and the dissertation has not formed the basis for the award of any Degree/Diploma/Associate/Fellowship or similar title to any candidate of any University.

Counter-signed



Head of the Department



(Dr.A A.ARUNKUMAR)

Supervisor

Internal Examiner

External Examiner