



P.G AND RESEARCH DEPARTMENT OF BOTANY

(DST - FIST Sponsored Department)

JAMAL MOHAMED COLLEGE (AUTONOMOUS)

(College with potential for excellence)

Re-Accredited (3rd Cycle) with 'A' Grade by NAAC

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CERTIFICATE

This is to certify that the thesis entitled “**PHYTOCHEMICAL ANALYSIS, ANTIMICROBIAL AND ANTICANCEROUS ACTIVITY OF IN VITRO PROPAGATED HYBANTHUS ENNEASPERMUS (L.) F. MUELL.**” submitted to Bharathidasan University, Tiruchirappalli - 620 024 for the award of the degree of Doctor of Philosophy in Botany, is an authentic record of original work carried out by **Mr. M.MURUGAN**, under my guidance and supervision during the study period at the P.G and Research Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli - 620 020, Tamil Nadu, India.

I further certify that no part of this thesis has been submitted anywhere else for the award of any degree, diploma, associateship, fellowship, or other similar titles to any candidate.

(Dr. M.KAMARAJ)