



JIWAJI UNIVERSITY, GWALIOR

(Established in 1964)

NAAC Accredited 'A' Grade University

Mrs.) Sadhana Shrivastava
Senior Scientific Officer, USIC

CERTIFICATE

This is to certify that the dissertation entitled, "**Phytochemical estimation of hydro alcoholic extract of *Elletaria cardomomum* and its antimicrobial effects**" submitted by **Miss Sharon Francis**, student of B.Sc. (H) Biotechnology, VI Semester, "Amity Institute of Biotechnology, Amity University Madhya Pradesh", did her work under my supervision in laboratory "Department of Zoology, Jiwaji University Gwalior". She has been in my laboratory from 21-03-2022 to 27-05-2022 to complete her dissertation. The dissertation represents independent effort carried out by the candidate.

Dr. Sadhana Shrivastava

Senior scientific officer,

University scientific

Instrumentation Centre, Jiwaji University