

**UNIVERSITY OF MYSORE**  
DEPARTMENT OF STUDIES IN GENETICS AND GENOMICS  
MANASAGANGOTHRI, MYSURU-570006

MAJOR PROJECT REPORT

**“Evaluation of larvicidal and anti-cancer activity of *Xanthium strumarium* seed extract against *Aedes albopictus* and HCT-116 cancer cell line”**

By

**Ms. Usha H.R**

**Reg no: P01ZZ21S0505**

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Under the guidance of

**Dr. Prathibha K.P., Ph.D**

Department of studies in Genetics and Genomics

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September 2023

CERTIFICATE

This is to certify that Major Research project entitled "Evaluation of larvicidal and anti-cancer activity of *Xanthium strumarium* seed extract against *Aedes albopictus* and HCT-116 cancer cell line" is a bonafide record of major project work done by Ms. Usha H.R under the guidance of Dr. Prathibha. K.P, Department of studies in Genetics and Genomics, Manasagangotri, Mysore, Karnataka. This work has not formed the basis for the award of any Degree, Diploma, Internship and Scholarship of any other similar titles.

Date: 25/9/23

Place Mysore

Signature of Chairperson  
ಅಧ್ಯಕ್ಷರು  
ಚಿವಿಟೆಕ್ಸ್ & ಜನೋಮಿಕ್ಸ್ ಅಧ್ಯಯನ ವಿಭಾಗ  
ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ  
ಮಾನಸಗಂಗೋತ್ರಿ, ಮೈಸೂರು - 06  
25/9/23

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Prathibha K.P  
Signature of Guide  
25/9/23

Examiners:- 1. Prathibha K.P 30/9/23  
2. Prathibha K.P 30.9.23  
3. Prathibha K.P 30/9/23  
4. Prathibha K.P 30/9/23  
5. Prathibha K.P 30/9/23