

Project Entitled

**Green Synthesis of Silver nanoformulation using
Citrus sinensis for Fabrication of Chitosan-silver
Bio-nanocomposite film and its Application in
Food packaging**

A DISSERTATION SUBMITTED TO THE

DEPARTMENT OF STUDIES IN BIOTECHNOLOGY

UNIVERSITY OF MYSORE

**In partial fulfillment of the requirement for the award of the degree
of**

MASTER OF SCIENCE

IN

BIOTECHNOLOGY

Submitted by

ARCHANA

Reg. No.: BT119107

Work carried out under the guidance of

Dr. Geetha N., M.Sc., M.Phil., Ph.D

Associate Professor

Department of Studies in Biotechnology

University of Mysore

Manasagangotri campus

Mysuru - 570006

October- 2021



UNIVERSITY OF MYSORE
DEPARTMENT OF STUDIES IN BIOTECHNOLOGY
MANASAGANGOTRI, MYSURU - 570 006



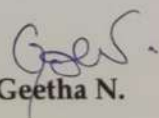
Dr. Geetha N. M.Sc., M.Phil., Ph.D
Associate Professor

☎ 0821-2419462

Email: geethabiotech.uom@gmail.com;
geetha@appbot.unimysore.ac.in

CERTIFICATE

This is to certify that the project work entitled "**Green synthesis of silver nanoformulation using *Citrus sinensis* for fabrication of chitosan-silver bio-nanocomposite film and its application in food packaging**" to be submitted to the University of Mysore, Manasagangotri, Mysuru, for the partial fulfillment of the award of the degree of Master of Science in Biotechnology is a record of original research work carried out by **Ms. Archana**, under my guidance and supervision at the Department of Studies in Biotechnology, University of Mysore, Manasagangotri, Mysuru, during March-October, 2021.


Dr. Geetha N.

Dr. Geetha N. M.Sc., M.Phil., Ph.D., Post Doc.
Associate Professor
Dept. of Studies in Biotechnology
University of Mysore, Manasagangotri
Mysuru-570 006, INDIA

Place: Mysuru

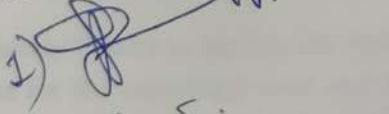
Date: 8-10-2021

DECLARATION

I, Ms. Archana, hereby declare that dissertation entitled "Green synthesis of silver nanoformulation using *Citrus sinensis* for fabrication of chitosan-silver bio-nanocomposite film and its application in food packaging" carried out by me during the period of March 2021 to October 2021, submitted to the Department of Studies in Biotechnology, Manasagangotri, Mysuru - 570006 for the partial fulfillment of the requirement for the award of *Master of Science in Biotechnology*. This is the record of the original work carried out by me, under the guidance of Dr. Geetha N, Associate Professor, DOS in Biotechnology, University of Mysore. I, further declare that the results of the work have not been previously submitted for the award of any degree or diploma in other university.

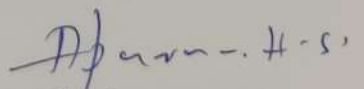
Archana

ARCHANA

Valued
1) 
2) Geetha N
8/10/21

Place: Mysuru

Date: 8-10-2021


Chairperson
Chairman
Department of Studies in Biotechnology
University of Mysore, Manasagangotri
Mysuru - 570 006