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

RAHUL BHARDWAJ Reg. No.: BT119128

Work carried out under the guidance of

Dr. Geetha N., M.Sc., M.Phil., Ph.D
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October- 2021



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



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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 Mr. Rahul Bhardwaj, 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 Dec. Associate Professor Dept. of Studies in Biotechnology University of Mysere, Manasagangothri, Mysuru-570 006, INDIA

Place: Mysuru

Date:

DECLARATION

I, Mr. Rahul Bhardwaj, hereby declare that dissertation entitled "Green synthesis of silver nanoformulation using Citrus sinensis for fabrication of chitosan-silver bionanocomposite 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.

Rahul Brasdway

RAHUL BHARDWAJ

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Place: Mysuru

Date:

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