## Green Synthesis of Silver Nanoformulations from Cryptolepis dubia

# A DISSERTATION SUBMITTED TO DEPARTMENT OF STUDIES IN BIOTECHNOLOGY UNIVERSITY OF MYSORE

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FORTHE DEGREE OF

MASTER OF SCIENCE IN

BIOTECHNOLOGY

SUBMITTED BY,
SHRAVYA (BT119140)
II year, MSc in Biotechnology

Under the guidance of
Dr. GEETHA N, M.Sc., M.Phil., PhD
ASSOCIATE PROFESSOR
Under co-guidance of

Dr. CHANDRIKA R, M.Sc., PhD
DEPARTMENT OF STUDIES IN BIOTECHNOLOGY

University of Mysore

Manasagangothri

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.uni-mysore.ac.in.

#### CERTIFICATE

This is to certify that the project work entitled "Green Synthesis of Silver Nanoformulations from Cryptolepis dubia" to be submitted to the University of Mysore, Manasagangotri, Mysuru, in the partial fulfillment of the requirement for the award of the degree of Master of Science in Biotechnology is a record of original research work carried out by Shravya (BT119140) under my guidance and supervision at the Department of Studies in Biotechnology, University of Mysore, Manasagangotri, during March to October 2021.

Place: Mysuru

Date: 08 10 2021

Signature of the Guide

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

Macadal.

### DECLARATION

I, Shravya hereby declare that the dissertation entitled, Green Synthesis of Silver Nanoformulations from Cryptolepis dubia" was carried out by me during the period of March to October, 2021, submitted to the Department of Studies in Biotechnology, University of Mysore, Manasagangotri, Mysuru for the partial fulfillment of the requirement for the award of degree of Master of Science in Biotechnology, is the result of research of work carried out by me under the guidance of Dr. Geetha N, Associate Professor, Department of Studies in Biotechnology, University of Mysore, Manasagangotri, Mysuru.

I, hereby declare that the thesis has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. The contents embodied in the thesis have not been submitted for the award of any other degree in this university.

Shraya Signature of Candidate

Signature of Guide

Dr. Geetha N

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

Dr. H S Aparna

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