

**Phytochemical analysis, total phenolic content  
and thin layer chromatographic (TLC)  
characterization of phytochemicals in Chara  
sps (Characeae)**

**The dissertation is submitted to University of Mysore For the  
partial fulfillment of the degree of**

**Master of Science in Botany**

**Submitted By,**

**Sushmitha, A.S**

**Reg No: P01ZZ21S0571**

**Under the Guidance of**

**Dr. M.S. NALINI, M. Phil., Ph.D.**

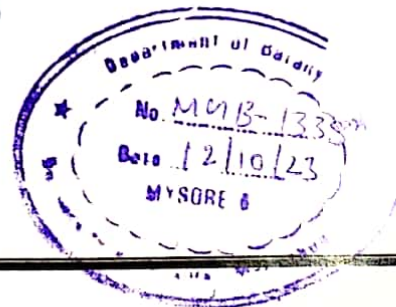
**Professor,**

**Department of Studies in Botany,**

**University of Mysore, Manasagangothri,**

**Mysore- 570006, Karnataka.**

**September -2023**



## CERTIFICATE

I, **Sushmitha A.S.**, certify that this dissertation report is the result of project work entitled "**Phytochemical analysis, total phenolic content and thin layer chromatographic (TLC) characterization of phytocompounds in *Chara sps (Characeae)***" submitted by me, to the University of Mysore for the partial fulfillment of requirements of the degree of Master of Science in Botany represents my own original work. The research was conducted under the guidance of **Dr. M.S. Nalini**, Professor at the Department of Studies in Botany, University of Mysore, Manasagangotri, Mysore, during the academic year 2022-2023.


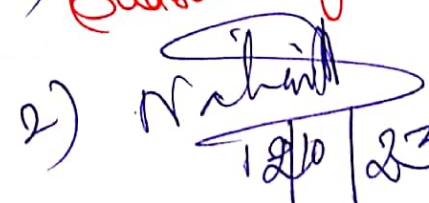
I further certify that this Project report or any part of it has not been submitted for award of any other degree/diploma of this or any other University.

Sushmitha A.S  
Signature of the Candidate


Reg No: P01ZZ21S0571

  
Signature of the Guide  
**DR. M.S. NALINI, M.Sc., M.Phil., PhD**  
**PROFESSOR**  
Date: **DEPT. OF STUDIES IN BOTANY**  
**UNIVERSITY OF MYSORE**  
**MANASAGANGOTRI, MYSORE-570 006**  
Place: Mysore

Counter signed by,

*Valued*  
  
1) **(Sudha Jogaraj)** 12/10/23  
2)   
12/10/23

Signature of the Chairman

  
Institution with name and official seal  
Professor and Chairman  
Department of Studies in Botany  
University of Mysore  
Manasagangotri, Mysore - 570 006