

**Antimicrobial potential of Indian kitchen
spices and the effects of *Syzygium aromaticum*
as a phytopreservative on the shelf life of *Vitis
vinifera***

**Thesis submitted to Goa University in partial
fulfilment of the requirement of Master of Science
in Microbiology**



By

Stacy Assumption Remedios

MI-2018019

Under the guidance of

Ms. Snigdha Mayenkar

(Guide)

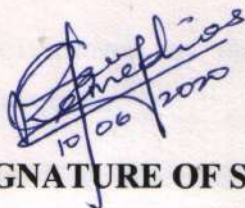
Assistant Professor

Department of Microbiology, Goa University

2020

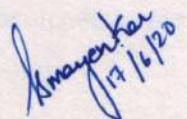
CERTIFICATE

This is to certify that Ms. Stacy Assumption Remedios has satisfactorily completed the dissertation titled "**Antimicrobial potential of Indian kitchen spices and the effects of *Syzygium aromaticum* as a phytopreservative on the shelf life of *Vitis vinifera***" being submitted to the Goa University in partial fulfillment of the requirement for the degree of Master in Science in Microbiology in the academic year 2019-2020.



SIGNATURE OF STUDENT

Stacy Assumption Remedios



SIGNATURE OF GUIDE

Ms. Snigdha Mayenkar



SIGNATURE OF HEAD OF DEPARTMENT

Dr. Sandeep Garg