

**SCREENING OF PIGMENT PRODUCING BACTERIAL ISOLATES
FROM THE AREAS EXPOSED TO HEAVY VEHICULAR TRAFFIC AND
HEAVY METALS**

A dissertation

submitted to

ST. MARY'S COLLEGE (Autonomous), THOOTHUKUDI

affiliated to

MANONMANIAM SUNDARANAR UNIVERSITY

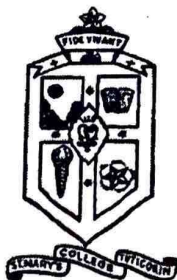
in partial fulfilment for the award of the degree of

MASTER OF PHILOSOPHY IN ZOOLOGY

BY

SURYA.S

Reg. No. 17MLZO01



PG & RESEARCH DEPARTMENT OF ZOOLOGY

ST.MARY'S COLLEGE (Autonomous)

(Re – accredited with 'A' Grade by NAAC)

THOOTHUKUDI – 628 001

JULY - 2018

ST.MARY'S COLLEGE (AUTONOMOUS)

THOOTHUKUDI – 628001

BONAFIDE CERTIFICATE

Certified that this dissertation “ **Screening of pigment producing bacterial isolates from the areas exposed to heavy vehicular traffic and heavy metals**” is the bonafide work of **SURYA.S Reg. No. 17MLZO01** who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported here in does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



Dr.R.D.Thilaga, M.Sc.,M.Phil.,M.Ed.,Ph.D.,

Head And associate professor

PG & Research Department of Zoology

St.Mary's College (Autonomous)

Thoothukudi



Dr.N.Arokiya Mary M.Sc.,M.Phil.,Ph.D

Associate Professor

PG & Research Department of Zoology

St.Mary's College (Autonomous)

Thoothukudi



EXAMINER



PRINCIPAL

St. Mary's College (Autonomous)
Thoothukudi - 628 001.

DECLARATION

I do hereby declare that the dissertation entitled, **“SCREENING OF PIGMENT PRODUCING BACTERIAL ISOLATES FROM THE AREAS EXPOSED TO HEAVY VEHICULAR TRAFFIC AND HEAVY METALS”** submitted by me in partial fulfillment for the award of the degree of **Master of Philosophy in Zoology**, is the result of my original and independent work carried out under the guidance of **Dr. N. Arokiya Mary M.Sc., M.Phil., Ph.D.**, Associate Professor of the Department of Zoology, St. Mary's College (Autonomous), Thoothukudi and it has not been submitted elsewhere for the award of any other degree.

STATION : THOOTHUKUDI

DATE

S. Surya
(SURYA.S)