

**A SURVEY AND DOCUMENTATION OF MEDICINAL PLANTS USED BY
THE LOCAL HEALERS OF C.N. KULI VILLAGE, ANAIKATTI, COIMBATORE,
TAMIL NADU**

Dissertation submitted to

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS),

Affiliated to Bharathiar University in partial fulfilment of the requirement
for the award of the degree of

MASTER OF SCIENCE IN BOTANY

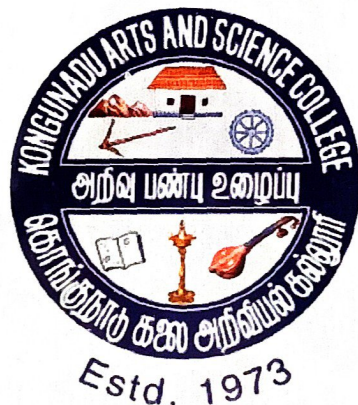
T.MEGANATH

(REG. NO: 212BO012)

Under the Guidance of

Dr .K . THENMOZHI M.Sc., M.Phil., Ph.D.

Assistant Professor and Head



PG AND RESEARCH DEPARTMENT OF BOTANY

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with an "A⁺" Grade (4th cycle)

COLLEGE OF EXCELLENCE (UGC)

31st Rank among College in NIRF 2022

Coimbatore – 641 029.

APRIL, 2023

**ETHNOBOTANICAL SURVEY ON MEDICINAL PLANTS USED BY
COMMUNITIES AROUND BURLIYAR, NILIGIRI DISTRICT,
INDIA.**

DISSERTATION SUBMITTED TO KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS),

AFFILIATED TO BHARATHIAR UNIVERSITY IN PARTIAL FULFILLMENT FOR
THE AWARD OF THE DEGREE OF

MASTER OF SCIENCE IN BOTANY

Submitted by

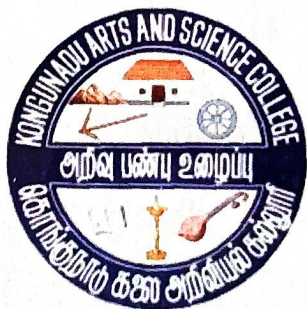
Miss. LINTHIYA. E

(REG. NO. 212BO011)

Under the supervision of

Dr. P.SUMATHI, M.Sc., M.Phil., Ph.D., DHM., DCA.,

Assistant Professor of Botany



PG AND RESEARCH DEPARTMENT OF BOTANY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with an "A+" Grade (4th cycle)

COLLEGE OF EXCELLENCE (UGC)

COIMBATORE-641029.

APRIL - 2023

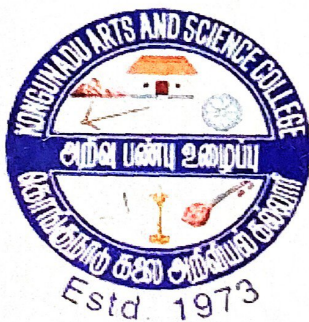
**GREEN SYNTHESIS OF COPPER OXIDE NANO PARTICLES
USING *Orthosiphon thymiflorus* (Roth) Sleesen. INFLORESCENCE**

Dissertation Submitted to Kongunadu Arts and Science College (Autonomous)
Affiliated to Bharathiar University in Partial Fulfilment of the Requirement
for the award of the Degree of

MASTER OF SCIENCE IN BOTANY

Submitted by
M. VIDHYASAGAR (212BO006)

Under the Guidance of
Dr. R. THIRUGNANASAMPANDAN M.Sc., M.Phil., Ph.D. (SET)
Assistant Professor



**PG AND RESEARCH DEPARTMENT OF BOTANY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
Re-accredited by NAAC with 'A' Grade (4th cycle)
COLLEGE OF EXCELLENCE (UGC)
COIMBATORE – 641 029**

APRIL - 2023

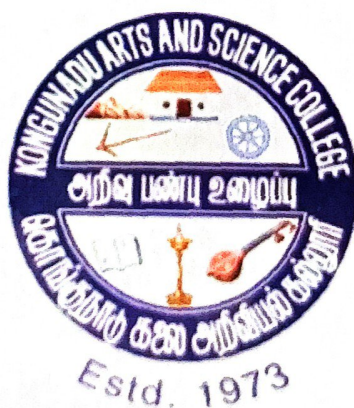
**EX SITU CONSERVATION OF PLANT SPECIES IN NILGIRI BIOSPHERE NATURE
PARK AT ANAIKATTY, WESTERN GHATS, TAMILNADU.**

Dissertation submitted to
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS),
affiliated to Bharathiar University in partial fulfillment of the requirement
for the award of the degree of

MASTER OF SCIENCE IN BOTANY

Submitted by
P. MATHAN
(REG. NO: 212BO007)

Under the Guidance of
Dr. D. MOORTHY M.Sc., M.Phil., B.Ed., Ph.D.
Assistant Professor



PG AND RESEARCH DEPARTMENT OF BOTANY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
Re-accredited by NAAC with an "A" Grade (4th cycle)
COLLEGE OF EXCELLENCE (UGC)

Coimbatore – 641 029,

APRIL 2023

BRYOFLOA OF THAISHOLA REGION, THE NILGIRIS

Dissertation submitted to Kongunadu Arts and Science College (Autonomous),
affiliated to Bharathiar University in partial fulfilment of the requirement
for the award of the degree of

MASTER OF SCIENCE IN BOTANY

Submitted by

SEVVEL, S.

(REG. NO: 212BO003)

Under the guidance of

Dr. D. MOORTHY M.Sc., M.Phil., B.Ed., Ph.D.,

Assistant Professor



PG AND RESEARCH DEPARTMENT OF BOTANY

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with an "A⁺" Grade (4th cycle)

College of Excellence (UGC)

31st rank among colleges in NIRF 2022

Coimbatore – 641 029.

APRIL, 2023

Antimicrobial Effect of Certain Major Components of Plant Essential Oils

Dissertation submitted to Kongunadu Arts and Science College affiliated to
Bharathiar University, Coimbatore in partial fulfillment of the requirements for the
award of the degree of

MASTER OF SCIENCE IN BOTANY

Submitted by

Ms. SARUMATHI, M.

(Reg. No. 212BO020)

II M.Sc. Botany

Under the guidance of

Dr. K. SOWNDHARARAJAN

Assistant Professor of Botany



**PG AND RESEARCH DEPARTMENT OF BOTANY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COLLEGE OF EXCELLENCE (UGC)**

Re-accredited by NAAC with 'A+' Grade (4th Cycle)

COIMBATORE – 641 029, TAMIL NADU

APRIL 2023

**Isolation and Identification of Antagonistic Endophytic
Bacteria from *Phyllanthus amarus* against *Colletotrichum
falcatum* Causing Red Rot Disease in Sugarcane**

Dissertation submitted to Kongunadu Arts and Science College affiliated to
Bharathiar University, Coimbatore in partial fulfillment of the requirements for
the award of the degree of

MASTER OF SCIENCE IN BOTANY

Submitted by

SARATH, S.

(Reg. No. 212BO004)

II M.Sc. Botany

Under the guidance of

Dr. K. SOWNDHARARAJAN

Assistant Professor



**PG AND RESEARCH DEPARTMENT OF BOTANY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COLLEGE OF EXCELLENCE (UGC)**

Re-accredited by NAAC with 'A+' Grade (4th Cycle)

**31st Rank among Colleges in NIRF 2022
COIMBATORE – 641 029, TAMIL NADU**

APRIL 2023

**MORPHO-ANATOMICAL, ANTIOXIDANT, QUALITATIVE AND
QUANTITATIVE PHYTOCHEMICAL ANALYSIS STUDY OF ETHANOLIC
EXTRACT OF VARIOUS PARTS OF THE ORCHID CALANTHE MASUCA
(D.DON)LINDL.**

Dissertation submitted to Kongunadu Arts and Science College (Autonomous),
affiliated to Bharathiar University in partial fulfillment of the requirement
for the award of the degree of

MASTER OF SCIENCE IN BOTANY

Submitted by

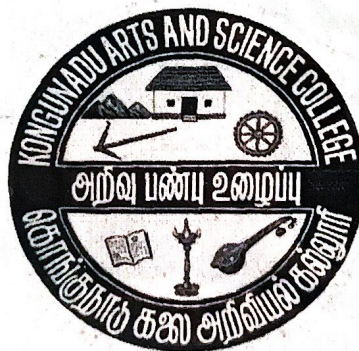
KEERTHANA. M.

(REG. NO: 212BO001)

Under the Guidance of

Dr. H. Abdul Kaffoor M.Sc., M.Phil., Ph.D.,

Assistant Professor



**PG AND RESEARCH DEPARTMENT OF BOTANY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)**

Re-accredited by NAAC with an "A⁺" Grade (4th cycle)

COLLEGE OF EXCELLENCE (UGC)

Coimbatore – 641 029.

MARCH, 2023

ESTABLISHMENT OF BIO-INDOOR ENVIRONMENT AND ANALYZE THE BIO-FILTRATION OF INDOOR POLLUTANTS BY PLANTS

Dissertation submitted to Kongunadu Arts and Science College (Autonomous),
affiliated to Bharathiar University in partial fulfilment of the requirement
for the award of the degree of

MASTER OF SCIENCE IN BOTANY

Submitted by

ROOBAKA. K.

(REG. NO: 212BO009)

Under the Guidance of

Dr. H. Abdul Kaffoor M.Sc., M.Phil., Ph.D.

Assistant Professor



PG AND RESEARCH DEPARTMENT OF BOTANY

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with an "A⁺" Grade (4th cycle)

COLLEGE OF EXCELLENCE (UGC)

Coimbatore – 641 029.

APRIL, 2023

**QUANTIFICATION OF SECONDARY METABOLITES, EVALUATION OF
ANTIOXIDANT & ANTIBACTERIAL POTENTIAL OF
CALYPTOCARPUS VIALIS LESS.,**

DISSERTATION SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY, IN PARTIAL FULFILMENT FOR

THE AWARD OF THE DEGREE OF
MASTER OF SCIENCE IN BOTANY

Submitted by
SANJAI, M. (212BO015)

Under the guidance of
Dr. P. REVATHI M.Sc., B.Ed., Ph.D.
Assistant Professor, Department of Botany



**PG AND RESEARCH DEPARTMENT OF BOTANY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
RE-ACCREDITED BY NAAC WITH "A+" GRADE (4th CYCLE)
COLLEGE OF EXCELLENCE (UGC)
31st RANK AMONG COLLEGES IN NIRF 2022
COIMBATORE- 641029**

APRIL 2023

**IMPACT OF CHEMICAL STRESS ON PHENOLICS, FLAVANOIDS
AND TERPENOID CONTENTS AND ANTIOXIDANT ACTIVITY
OF BACOPA MONNIERI (L.) WETTEST**

DISSERTATION SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
AFFILIATED TO BHARATHIAR UNIVERSITY, IN PARTIAL FULFILMENT FOR
THE AWARD OF THE DEGREE OF
MASTERS OF SCIENCE IN BOTANY

Submitted by
SREENAND T.M
(REG. NO: 212BO017)

Under the Guidance of
Dr. P. REVATHI
Assistant Professor, Department of Botany
Kongunadu Arts and Science College (Autonomous)
Coimbatore-641029



**PG AND RESEARCH DEPARTMENT OF BOTANY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
RE-ACCREDITED BY NAAC WITH "A+" GRADE (4th CYCLE)
COLLEGE OF EXCELLENCE (UGC)
COIMBATORE ~ 641 029**

APRIL 2023

**DESIGNING NEW HERBAL WOUND DRESSINGS:
DEVELOPING BIOPOLYMER COATED COTTON GAUZE
FABRIC INCORPORATING TALINUM PORTULACIFOLIUM
(Forssk.) Aschers.ex. Schweinf EXTRACT AND EVALUATING ITS
WOUND HEALING ABILITY**

DISSERTATION SUBMITTED TO KONGUNADU ARTS AND SCIENCE
COLLEGE (AUTONOMOUS)

*Affiliated to Bharathiar University in Partial Fulfillment of the
Requirement for the award of the Degree of*

MASTER OF SCIENCE IN BOTANY

Submitted by

HELNA RAJ K (212BO019)

II M.Sc., Botany

Under the supervision of

Dr. R. REKKA, M.Sc., B.Ed., M.Phil., Ph.D

ASSISTANT PROFESSOR



PG AND RESEARCH DEPARTMENT OF BOTANY

**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

RE-ACCREDITED BY NAAC WITH 'A + 'GRADE (4th CYCLE)
COLLEGE OF EXCELLENCE (UGC),
31st Rank among Colleges in NIRF 2022
COIMBATORE-641029, TAMIL NADU
APRIL - 2023

**PHYTOCHEMICAL PROFILING, ANTIOXIDANT AND ANTI-
INFLAMMATORY POTENTIAL OF AQUEOUS WHOLE PLANT EXTRACT
OF *MICROSORUM MEMBRANACEUM* (D.DON) CHING (POLYPODIACEAE)**

Dissertation submitted to Kongunadu Arts and Science College (Autonomous),
affiliated to Bharathiar University in partial fulfilment of the requirement
for the award of the degree of

MASTER OF SCIENCE IN BOTANY

Submitted by

AISWARYA BHARATHI, M.

(REG. NO: 212BO002)

Under the Guidance of

Dr. R, Rekka M.Sc., B.Ed., M.Phil., Ph.D.

Assistant Professor



**PG AND RESEARCH DEPARTMENT OF BOTANY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS),
COIMBATORE**

RE-ACCREDITED BY NAAC WITH 'A + 'GRADE (4th CYCLE)
COLLEGE OF EXCELLENCE (UGC), 31st Rank among Colleges in NIRF 2022

COIMBATORE-641029, TAMIL NADU

APRIL, 2023

**STUDIES ON THE EFFECT OF BOTANICALS AND OILS ON THE
MANAGEMENT OF PULSE BEETLE, *Callosobruchus chinensis* Linn.**

**DISSERTATION SUBMITTED TO
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
DEPARTMENT OF BOTANY
MASTER OF SCIENCE IN BOTANY**

**SUBMITTED BY
Mr. R. GOWTHAM KARTHICK (212BO014)
Batch: 2021 - 2023**

**UNDER THE SUPERVISION OF
Dr. M. PARVEEN M.Sc., M.Phil., Ph.D.
Assistant professor**



**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
Re-accredited by NAAC with "A+" Grade (4th Cycle)
College of Excellence (UGC)
31st Rank among Colleges in NIRF 2022
COIMBATORE – 641 029.
TAMILNADU, INDIA**

April – 2023

DOCUMENTATION ON THE PROCESS, BENEFICIARY USES AND THE PROBLEMS IN OBTAINING OF SILK YARN (*BOMBYX MORI*)

Dissertation submitted to Kongunadu Arts and Science College (Autonomous),
affiliated to Bharathiar University in partial fulfilment of the requirement
for the award of the degree of

MASTER OF SCIENCE IN BOTANY

Submitted by

Mr. S. NAVIN

(REG. NO: 212BO016)

Under the guidance of

Dr. M. PARVEEN M.Sc., M.Phil., Ph.D.,

Assistant Professor



**PG AND RESEARCH DEPARTMENT OF BOTANY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)**

Re-accredited by NAAC with an "A⁺" Grade (4th cycle)

College of Excellence (UGC)

31st Rank among Colleges in NIRF 2022

Coimbatore – 641 029,

APRIL, 2023

**SURVEY AND DOCUMENTATION OF PTERIDOPHYTES IN
JANAKIKADU ECOTOURISM AND ITS LOCALITY,
CALICUT DISTRICT, KERELA**

Dissertation Submitted to
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
MASTER OF SCIENCE IN BOTANY

Submitted by
ABHIRAMI RAJAN
(REG. NO: 212BO018)

Under the Guidance of
Dr. G. DHANDAPANI, Ph.D.
Assistant Professor



PG AND RESEARCH DEPARTMENT OF BOTANY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
(Institution Affiliated to Bharathiar University)
Re-accredited by NAAC with "A⁺" Grade (4th Cycle)
College of Excellence awarded by (UGC)
31st Rank among Colleges in NIRF (2022)
GN MILLS POST, COIMBATORE – 641 029
TAMILNADU, INDIA

APRIL – 2023

**MECHANISM OF UPTAKE, TRANSPORT, ACCUMULATION AND
MITIGATION STRATEGY OF ARSENIC IN RICE**

Dissertation Submitted to
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS),
MASTER OF SCIENCE IN BOTANY

Submitted by
D. JOHNSI RANI
(REG. NO: 212BO005)

Under the Guidance of
Dr. G. DHANDAPANI, Ph.D.
Assistant Professor



PG AND RESEARCH DEPARTMENT OF BOTANY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

(Institution Affiliated to Bharathiar University)

Re-accredited by NAAC with "A⁺" Grade (4th Cycle)

College of Excellence awarded by (UGC)

31st Rank among Colleges in NIRF (2022)

GN MILLS POST, COIMBATORE – 641 029

TAMILNADU, INDIA

APRIL – 2023

Studies on Avenue Tree Diversity of Urban area of Coimbatore district, Tamil Nadu State, India

Dissertation submitted to Kongunadu Arts and Science College
affiliated to Bharathiar University, Coimbatore
in partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN BOTANY

Submitted by

Ms. N. LIVYA (212BO013)

II M.Sc. Botany

Under the guidance of

Dr. V. ARAVINDHAN

Assistant Professor of Botany



**PG AND RESEARCH DEPARTMENT OF BOTANY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COLLEGE OF EXCELLENCE (UGC)**

Re-accredited by NAAC with 'A+' Grade (4th Cycle)

COIMBATORE – 641 029, TAMIL NADU

APRIL 2023

Survey on Sacred plants of Coimbatore district, Tamil Nadu

Dissertation submitted to Kongunadu Arts and Science College
affiliated to Bharathiar University, Coimbatore
in partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN BOTANY

Submitted by

Mr. R. Gowtham (212BO010)
II M.Sc. Botany

Under the guidance of

Dr. V. ARAVINDHAN
Assistant Professor of Botany



PG AND RESEARCH DEPARTMENT OF BOTANY
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with 'A+' Grade (4th Cycle)

COLLEGE OF EXCELLENCE AWARDED BY UGC

31st Rank among colleges in NIRF 2022

COIMBATORE – 641 029, TAMIL NADU

APRIL 2023