



STUDY OF COMMON MEDICINAL PLANTS OF VISAKHAPATNAM REGION

**PG DEPARTMENT OF BOTANY Dr. V. S. KRISHNA GOVERNMENT DEGREE [A]
AND PG COLLEGE VISAKHAPATNAM**

SUMMITTED BY

KOPPULA ASWINI

Regd.No:721228906001

UNDER THE SUPERVISION OF

DR. SUJATHA NORI

Project Guide

PG Department of Botany

**DISSERTATION REPORT SUBMITTED TO P.G.COLLEGE FO BOTANY
DR.V.S.KRISHNA GOVT.DEGREE AND P.G.COLLEGE VISAKHAPATNAM FOR THE
AWARD OF THE DEGREE OF MASTER OF SCIENCE BOTANY**

2023

**“A PRELIMINARY SURVEY ON PLANT FUNGAL, BACTERIAL
AND VIRAL DISEASES OF THREE VILLAGES IN ANANDAPURAM
(MANDAL), VISAKHAPATNAM, ANDHRA PRADESH.”**



Submitted By

N. MOHANA RAO
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UNDER THE SUPERVISION OF

G. Sunil Kumar

M.Sc., M.Sc., M.Phil.

Project Guide
P.G., Department of Botany,
Dr. V. S. Krishna Govt. Degree (A) & P.G College (A)
Visakhapatnam

Dissertation Report Submitted To

P.G. Department of Botany,
DR. V. S. KRISHNA GOVT. DEGREE (A) & P.G COLLEGE (A)
(AFFILIATED TO ANDHRA UNIVERSITY), VISAKHAPATNAM FOR
THE AWARD OF DEGREE OF MASTER OF SCIENCE IN BOTANY
May, 2023





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SUMMITTED BY

BUDIDA VIGHNESH

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MARRI AMOSU

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Submitted By

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G. Sunil Kumar

M.Sc., M.Sc., M.Phil.

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ANDHRA UNIVERSITY
DEPARTMENT OF BOTANY

M.Sc. BOTANY

Course Structure (w.e.f. 2020-2021)

(Modifications in BoS meeting held on 23-10-2020)

S. no.	Paper Code	Paper Name	Internal	Semester end	Total Marks	Credits
1st Semester						
Theory						
1.	101	Biology & Diversity of Algae and Bryophytes	20	80	100	4
2.	102	Biology & Diversity of Bacteria, Viruses & Fungi	20	80	100	4
3.	103	Cell Biology of Plants	20	80	100	4
4.	104	Ethnobotany, Medicinal & Aromatic Plants	20	80	100	4
Practicals						
	Practical -I	Biology & Diversity of Algae and Bryophytes & Biology & Diversity of Bacteria, Viruses & Fungi	20	80	100	3
	Practical -II	Cell Biology of Plants & Ethnobotany, Medicinal & Aromatic Plants	20	80	100	3
Total marks and credits for I semester					600	22
2nd Semester						
Theory						
1.	201	Genetics	20	80	100	4
2.	202	Molecular Biology	20	80	100	4
3.	203	Biology & Diversity of Pteridophytes & Gymnosperms	20	80	100	4
4.	204	Plant Cell Tissue & Organ Culture	20	80	100	4
Practicals						
	Practical -I	Genetics & Molecular Biology	20	80	100	3
	Practical -II	Biology & Diversity of Pteridophytes & Gymnosperms & Plant Cell Tissue & Organ Culture	20	80	100	3
Total marks and credits for II semester					600	22

3 rd Semester						
Theory						
1	301	Taxonomy of Angiosperms and Plant Resource Utilization & Conservation	20	80	100	4
2	302	Plant Development and Plant Reproduction	20	80	100	4
3	303	Plant Ecology	20	80	100	4
4	304	Plant Physiology	20	80	100	4
	Practicals					
	Practical -I	Taxonomy of Angiosperms and Plant Resource Utilization & Conservation & Plant Development and Plant Reproduction	20	80	100	3
	Practical -II	Plant Ecology & Plant Physiology	20	80	100	3
		MOOC -I				2*
		Project				4*
Total marks and credits for III semester					600	22
4 th Semester						
Theory						
1	401	Genetic Engineering of Plants and Microbes	20	80	100	4
2	402	Evolution and Plant Breeding	20	80	100	4
3	403	Plant Pathology	20	80	100	4
4	404	Crop Physiology and Biotechnology	20	80	100	4
	Practicals					
	Practical -I	Genetic Engineering of Plants and Microbes & Evolution and Plant Breeding	20	80	100	3
	Practical -II	Plant Pathology & Crop Physiology and Biotechnology	20	80	100	3
		MOOC -II				2*
		Intellectual Property Rights				2*
		Value based soft skills				2*
Total marks and credits for IV semester					600	22
Grand Total marks and credits for all 4 semesters (I,II,III, IV)					2400	88

* Credits not included in CGPA

Each paper contains 4 theory hours

Each practical contains 12hours.