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Sr. No.	Programme Code	Name of the Programme
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Signature and Seal of the Head

Koni, Bilaspur - 495009 (C.G.)

A DISSERTATION REPORT

A review on Aluminium stress in plants

Submitted in the partial fulfilment of the requirement for the award of the degree of

Bachelor of Science in BOTANY

To



GURU GHASIDAS VISHWAVIDYALAYA (A CENTRAL UNIVERSITY)

BY

BSc. (VI semester)

(Enrollment no. GGV/21/03601, Roll no. 21058101)

Project Supervisor

Dr. Madhulika Singh

Department of BOTANY

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This is certifying that the dissertation entitled "A review on aluminium stress in plant" is based on the Review work done by Mr. Akai Salon Ekka, Department of Botany, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur 495009(C.G.), under my supervision and this has not previously formed the basis for the award of any degree, diploma, associate ship, fellowship or any other similar title and it represents entirely an independent work of the part of candidate. In this review plagiarism is less than 15%.

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Koni, Bilaspur - 495009 (C.G.)

Content:

S.no	Topic	Page No.
1	Introduction	
2	Aluminium Phytotoxicity	
3	Root development and growth inhibition	
4	Decrease in intake of water and nutrients	
5	Decrease in photosynthetic efficiency	
6	Increase in ROS levels	
7	Damage to Nucleus and DNA	
8	Disruption of the cytoskeleton	
9	Method of Aluminium uptake	
10	Plants mechanism for aluminium tolerance	
11	External exclusion mechanism	
12	exclusion by release of organic compounds	
13	pH rise in Rhizosphere	
14	Mechanism for internal tolerance	
15	Accumulation of osmolytes	
16	Antioxidant synthesis and activation	
17	Al stress hormone regulation	
18	Conclusion	

Guru Ghasidas Vishwavidyalaya (A Central University Established by the Central Universities Act 2009 No. 25 of 2009) Koni, Bilaspur – 495009 (C.G.)

A DISSERTATION ON

THREAT AND CONSERVATION OF BIODIVERSITY

For the Partial Fulfillment of the Requirement for the Award of the degree of BACHLEOR OF BOTANY (HONOURS)

Submitted by

AKANKSHA CHANDRAVANSHI

(ROLL NO. 21058102)

(ENROLLMENT NO - GGV/21/03602)

Under the Supervision of Prof. DEVENDRA KUMAR PATEL (Professor)



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SESSION-2021-2024



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INDEX

S.NO.	CONTENTS	PAGE NO.
01.	INTRODUCTION	6-7
02.	LEVELS OF BIODIVERSITY 1.1 Species Diversity 1.2 Genetic Diversity 1.3 Ecological Diversity	7-11
03.	IMPORTANCE OF BIODIVERSITY 3.1 Ecological Importance 3.2 Economic Importance 3.3 Ethical Importance 3.4 Scientific Importance	11-13
04.	THREATS OF BIODIVERSITY 4.1 Over - Exploitation 4.2 Habitat Loss 4.3 Invasive Species 4.4 Pollution 4.5 Climate Change	13-15
05.	CONSERVATION OF BIODIVERSITY 5.1 In- Situ Conservation 5.1.1National Park 5.1.2 Wildlife Sanctuaries 5.2 Ex- Situ Conservation 5.2.1Botanical Gardens 5.2.2 Genes Bank	16-25

E

"AN INVESTIGATION ON SOME MEDICINAL PLANTS OF BILASPUR DISTRICT"

A project dissertation Submitted inPartial Fulfillment of the Requirement

For the Degree Of

Bachelor of Science in Botany (Honours)

BY

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Session 2023-24

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Koni, Bilaspur - 495009 (C.G.)

CONTENTS

Se No.	Chapter name	Page No.
01	Introduction	1
02	Description of plant species	2
2.1	Allium cepa	4
2.2	Allium sativum	6
2.3	Aloe vera	8
2.4	Alzadirachta Indica	10
2.5	Butea monosperma	11
2.6	Calotropis gingantea	13
2.7	Calotropiesprocera	15
2.8	Catharanthus roseus	17
2.9	Chenopodium album	19
2.10	Cynodondactylon	21
2.11	Carica Papaya	23
2.12	Datura stramonium	25
2.13	Euphorbia hirta	27
2.14	Ficusbenghalensis	29
2.15	Ficusreligiosa	31
2.16	Hibiscs Rosa-sinensis	33
2.17	Mimosa pudica	35
2.18	Momordica charantia	37

STUDY OF THE BIODIVERSITY OF THE SOUTH-EASTERN PART OF GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (CG)

A Dissertation Report

Submitted

In partial fulfillment of the requirement for the award of the degree of Bachelor of Science in Botany



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2024

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Place: Bilaspur

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Koni, Bilaspur - 495009 (C.G.)

A PROJECT REPORT

ON "WILD CEREALS AND LEGUMES IN CHHATTISGARH"

A Dissertation submitted to



DEPARTMENT OF BOTANY
SCHOOL OF LIFE SCIENCE
GURU GHASIDAS VISHWAVIDYALAYA
(A Central University) BILASPUR, CG (495009)

For Partial fulfilment of the requirements for the degree of

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2023-24

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TABLE OF CONTENT

S NO.	CONTENTS	PAGE NO.
1.	INTRODUCTION	7-9
2.	WILD CEREALS NAME IN CHHATTISGARH 1.1 KODO MILLET 1.2 KUTKI MILLET 1.3 BARNYARD MILLET	9-13
	1.4 FOXTAIL MILLET	
3.	WILDS LEGUMES NAME IN CHHATTISGARH 1.1 PIGEON PEA 1.2 KARANJ 1.3 SAJ 1.4 KUSUM 1.5 DHAWAL 1.6 MAHUA 1.7BASTARD TEAK	14-24
4.	PROCESSING	24-25
5.	CONCLUSION	25-26
6.	REFERENCES	27-20

ETHNOMEDICINAL PLANT TO CURE VARIOUS AILMENTS: AN

ACCOUNT OF TRADITIONAL KNOWLEDGE

A Dissertation Report Submitted for the Partial Fulfilment Of the Requirement of the

AWARD OF DEGREE

OF

BACHELOR OF SCIENCE IN BOTANY

AT

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)



2023-24

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This is certify that dissertation entitled Ethnomedicinal plants to cure various ailments: an account of traditional knowledge (REVIEW), is based on review of literature work done by Arpana Tiwari Enrollment No. GGV/21/03606 Department of Botany, Guru Ghasidas Vishwavidyalaya, Bilaspur, C.G. and this has not previously formed the basis of the award of any degree, diploma, associate ship and any other similar title and it represents entirely an independent work on the part of the candidate.

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CONTENTS

Chapter	Content	Page no.
1.	ABSTRACT	7
2.	INTRODUCTION	8-11
	BABOOL	11-13
	TURMARIC	13-14
	AMLA	15-16
	TULSI	16-17
	NEEM	17-18
	ALOEV ERA	18-19
	KACHNAR	20-21
	KUSUMBHA	21-22
	AMALTAS	22-24
	PEEPAL	24-25
	BER	25-26
	ASHOKA	26-27
	BEL	27-28
	BARGAD	29-30
	BHRINGRAJ	30-31
	BRAHMI	32-33
	GINGER	33-34
	ANJEER	35-36
	JAMUN	37-38
	RATANJOT	38-39
	NILGIRI	39-40
	CHIRONJI	40-41
3.	CONCLUSION	42
	REFFRENCES	43-51

Koni, Bilaspur - 495009 (C.G.)

A PROJECT ON

"An Investigation on Medicinal Plants of Akaltara of District Janjgir-Champa)"

Submitted in partial fulfilment of the requirements for the

award of the degree of B.Sc.

"Bachelor of Science in Botany"

Submitted by:

ASTHA SHARMA

Roll No. -2108107

Enrollment No. – GGV/21/03607 B.Sc. – 6th Semester

UNDER THE GUIDANCE OF:

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(A Central University Established by The Central University Act 2009 No 25 of 2009)

Session 2021-24

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CERTIFICATE FROM THE SUPERVISOR

This is to certify that the project dissertation entitled as "An Investigation on Medicinal Plants of Akaltara (Janjgir-champa")submitted by Astha Sharma Department of Botany, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) for the partial fulfilment of the requirement for the degree of Bachelor of Science in Botany is an original work carried out by her under my supervision and guidance. To the best of my knowledge, the matter embodied in the project dissertation has not been submitted to any other University/ Institute for the award of any Degree or Diploma.

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Supervisor

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गुरू घासीदास विश्वविद्यालय (केन्रीय विश्वविद्यालय अधिनयम 2009 क्र. 25 के अंतर्गत स्वापित केन्नीय विश्वविद्यालय) कोनी, बिलासपुर – 495009 (छ.ग.)



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Koni, Bilaspur - 495009 (C.G.)

CONTENT

1.	INTRODUCTION.		(7-8)
2.	SOME MEDICINA	L PLANTS	(9-64)
	Garlie	DI DAN IS	(> 0.)
	Coriander		
	Funnel		
2.4	Akh		
2.5	Sada bahar		
	Pink kaner		
2.7	Aloe vera		
2.8	Papa ya		
	Vishnu Kanti		
2.10	Harra		
2.11	Fenugreek		
	2 Senna tora		
	Palas Palas		
	Ashoka		
	Pomigranate		
	Tulsi		
	Mint		
	Neem		
	Giloy		
) Guvva		
	Peepal		
	Argemon maxicana		
	Amla		
	Beal		
	Black pepper		
	Datura		
	7 Aswgandha 8 Mahua		
	Ginger		
) Turmeric		
2.50	Turneric		
3.	Summary		(65-66)
		ly	
		*	

Koni, Bilaspur - 495009 (C.G.)

A REVIEW ON CONSERVATION AND DIVERSITY OF LEAFY VEGETABLES IN CHHATTISGARII, INDIA

A Dissertation Report submitted for the partial fulfilment of the requirement of the

Award of Degree

OF

BACHELOR OF SCIENCE IN BOTANY

At

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)



2023-2024

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CERTIFICATE

This is to certify that dissertation entitled "CONSERVATION AND DIVERSITY OF LEAFY VEGETABLES IN CHHATTISGARH, INDIA (A REVIEW)" is based on a review of literature work done by Bhuvika Govil (Enrollment No. GGV/21/03608), Department of Botany, Guru Ghasidas Vishwavidyalaya, Bilaspur, C.G., and this has not previously formed the basis of the award of any degree, diploma, associateship, or any other similar title, and it represents entirely independent work on the part of the candidate.

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Date: 15/05/2024

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Assistant Professor

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Date: 15-05-24

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A Taxonomic Review Of The Genus Vigna

Dissertation Report Submitted for the partial fulfillment of the degree of



BACHELOR OF SCIENCE IN BOTANY

By CHIRANJEEV BAIRAGI ROLL NO. 21058109 2021-2024

Under the supervision of

DR. S. SHWETA
ASSISTANT PROFESSOR
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(A Central University established by the Act of parliament 2009 NO. 25 OF 2009)

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Date: 15.05.2024 .

Place: Bilaspur

SIGNATURE OF GUIDE DR. S. SHWETA ASSISTANT PROFESSOR

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(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

Koni, Bilaspur - 495009 (C.G.)

CONTENTS

	Page No.
List of Tables	i
List of Figures	II
Abstract	
1. Introduction.	1
2. Taxonomic history	2
2.1 Taxonomic expansion in India	3
3. Taxonomic positions and morphological circumscription	4
3.1 Leaves	4
3.2 Inflorescence.	5
3.3 Flowers	5
3.4 Pods	6
3.5 Seeds	7
4. Cytology	8
5. Palynology	9
6. Biological activities	10
6.1 Pollination	10
7. Phytochemicals of Vigna	11
8. Pharmacological activities	13
9. Molecular phylogeny	14
10. Significance of the study	17
11. Summary	19
12. Conclusion	20
. D. C	21

A Taxonomic Review Of The Genus Alysicarpus

Dissertation Report Submitted for the partial fulfilment of the degree of



BACHELOR OF SCIENCE IN BOTANY

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(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

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This is to certify that the project report entitled "A Taxonomic review of the Genus Alysicarpus" is an authentic record of work done by Deenanath Suryawanshi, Student of B.Sc. Botany VI Semester of Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

Date:

Place: Bilaspur

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PROF, DEVENDED YOUR PATEL

Department of Bolany कुर पालीवास विश्वविद्यालय (१ कृति वि.कि.), विकासूर (ज.स.) Guru Ghasidas Vishwawdychya (A Carticl University), Edepte (C.C.)

SIGNATURA DE 15



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CONTENTS

A	Page No.
List of Figure	
Abstract	ii
1.Introduction	1
2.Taxonomic history	2
2.1 World perspective	2
2.2Taxonomic History	2
2.3Taxonomic expansion in India	3
3. Taxonomic positions and morphological circumscription	3
3.1 Leaves	3
3.2 Inflorescence	4
3.3 Flowers.	5
3.4 Pods	6
3.5 Seeds	6
l. Molecular systematic	6
.Cytology	8
. Palynology	8
. Variation in seed dormancy in the genus Alysicarpus	9
. Embryological activities	9
. Phytochemicals	11
). Pharmacological activities	11
1. Molecular phylogeny	12
2. Significance of the study	12



Koni, Bilaspur - 495009 (C.G.)

A DISSERTATION

APPLICATION OF FERMENTATION AND BIOREACTOR TECHNOLOGY: A REVIEW

Submitted in the partial fulfilment of the requirement for the award of the degree of

Bachelor of science in BOTANY

To



GURU GHASIDAS VISHWAVIDYALAYA

(A CENTRAL UNIVERSITY)

BY

DEEPA MAHANAND

BSc. (VI semester)

(Enrollment no. GGV/21/03611, Roll no. 21058111)

Project supervisor

Dr. PREETI VERMA

Department of BOTANY

GURU GHASIDAS VISHWAVIDYALAYA

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This is certifying that the dissertation entitled "Application of Fermentation and Bioreactor Technology: A review" is based on the original work done by Miss Deepa Mahanand, Department of Botany, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur 495009(C.G.), under my supervision and this has not previously formed the basis for the award of any degree, diploma, associate ship, fellowship or any other similar title and it represents entirely an independent work of the part of candidate.

(Signature of supervisor)

Department of Bostony

पुत प्रातीपाट विकाशितवास (क्षेत्रीय कि.मि.), विकाश Gura Grandian Victorial and Tax Committee Comm

Forwarded to the Controller of examination, Guru Ghasidas Vishwavidyalaya in partial fulfilment of the requirements of the degree of Bachelor of Science in Botany.

Place: Bilaspur

Date: 13/5/24

2

Koni, Bilaspur - 495009 (C.G.)

TABLE OF CONTENTS

Abstract (8)

- 1. Introduction (9-14)
- 2. Review of literature (15-25)
 - 2.1. Application
 - 2.1.1. Physiology
 - 2.1.2. Industrial Microbiolgy
 - Food Microbiology 2.1.3.
 - 2.2. Types of Fermentation
 - 2.2.1. Alcoholic Fermentation
 - **Lactic Acid Fermentation** 2.2.2.
 - Acetic Acid Fermentation 2.2.3.
 - 2.3. Factors Affecting Fermentation Process
 - 2.3.1. Aeration
 - 2.3.2. Temperature
 - 2.3.3. pH
 - Substrate Type and Concentration 2.3.4.
 - 2.4. Fermentation Operation Modes
 - **Batch Fermentation** 2.4.1.
 - Fed-Batch Fermentation 2.4.2.
 - Continuous Fermentation 2.4.3.
 - 2.5. Bioreactor
 - 2.6. Principle and Application of Fermentation
 - **Biofuel Production** 2.6.1.
 - Biohydrogen 2.6.2.

(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

Koni, Bilaspur - 495009 (C.G.)

A Dissertation Report

"MEDICINAL PLANTS IN CHHATTISGARH"

submitted to

In partial fulfilment of the requirement for the award of the degree of Bachelor of Science in Botany



By

Deepti Kujur

B.Sc. (Hons.) VI Semester

Enrollment No.- GGV/21/03612

Roll No.-21058112

Under the Guidance of

Dr.Santosh Kumar Prajapati

May 2024

Department of Botany

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Bilaspur, Chhattisgarh, India

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This is to certify that **Miss Deepti Kujur** (Roll No.- 21058112 Enrollment No.-GGV/21/03612) has carried out her undergraduate dissertation work entitled **Medicinal** plants in **Chhattisgarh** under the supervision of Professor Dr. Santosh Kumar Prajapati towards partial fulfilment of the degree of Bachelor of Science in Botany.

The work presented in the dissertation report is original and has not been submitted anywhere else for this or any other degree.

Date: 13-05-24

Place: Bilaspur

Dr. Santosh Kumar Prajapati

Professor

गुरू घासीदास विश्वविद्यालय (केन्रीय विश्वविद्यालय अधिनयम 2009 क्र. 25 के अंतर्गत स्वापित केन्रीय विश्वविद्यालय) कोनी, बिलासपुर - 495009 (छ.ग.)



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TABLE OF CONTENT

s No.	CONTENTS	PAGENO.
ı.	INTRODUCTION	7
! .	STUDY AREA	8
	MATERIALS AND METHOD	9-10
	RESULT AND DISCUSSION	10-16
	BRIFE DETAILS ABOUT FEW MEDICINAL PLANTS	16-24
•00	CONCLUSION	24
	REFERENCES	25-26

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(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

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Different Environmental factors affecting Sal tree (Shorea robusta)

A DISSERTATION REPORT

SUBMITTED FOR THE PARTIAL FULFILLMENT OF DEGREE

OF

BACHELOR OF SCIENCE (HONS.)

IN

BOTANY



GURU GHASIDAS VISHWAVIDYALAYA

(A CENTRAL UNIVERSITY)

BY

DISHA SHRIWAS

B.Sc. (VI SEMESTER)

(ENROLLMENT NO: GGV/21/03613)

(Roll no: 21058113)

UNDER THE SUPERVISION OF

DR. DEEPANKER YADAV

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Dr. Deepanker Yadav

Department of Botany

Guru Ghasidas Vishwavidya

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Head of department (botany)

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चुन चालीहार विकारिकात्म (केन्द्रीय विजये), विकारवपुर (स.स.) Gurd Grasides Vishwevidydiga (A Central Geovernity), Fibrajier (

Place: Bilaspur Date: 15 | 0.5 | 34

Place: Bilaspur

Date: 15/05/24



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Table of Contents

CONTENTS	PAGE
Signature of the second control of the secon	1-2
	3-4
	4-5
	5-8
The state of the s	8-9
Environmental factors affecting each stage of Sal trees	9-10
Chemical analysis of Sal trees and environmental factors	10-11
Summary and conclusion	11-11
References	12-15
	Chemical analysis of Sal trees and environmental factors Summary and conclusion

A DISSERTATION REPORT

TRADIONAL MEDICINAL PLANTS

SUBBMITTED FOR THE FULFILMENT THE DEGREE OF

BACHLOR OF SCIENCE IN BOTANY

Submitted by:

DIVYA PATEL

Enrollment No.-GGV/21/03614

Roll No.-21058114

B.Sc.botany VI semster

Under the supervision of

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DEPARTMENT OF BOTANY

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KONI-BILASPUR, CHHATTISGARH, INDIYA-495009

Session 2021-2024

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(Supervisor)

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Curu Ghusidas Viakons Hydlaga (A Cashai Qurumaky), Guuqu

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Koni, Bilaspur - 495009 (C.G.)

TABLE OF CONTENTS INTRODUCTION OF MEDICINAL PLANTS 1) CALOTROPIS GIGANTEA(MADAR) 1.1 INTODUCTION 1.2GEOGRAPHICAL DESCRIPTION L3ACTIVE CONSITUENTS OF CALOTROPIS L4MECHANISTIC INSIGHT OR CALOTROPIS GIGANTEA 2) HIBISCUS ROSA (GUDHAL) 2.1 INTODUCTION 2.2 BOTNICAL DESCRIPTION 2.3 TAXONOMICAL CLASSIFICATION 2.4 MEDICINAL USES 3) CURCUMA LONGA (HALDI) 3.1 INTODUCTION 3.2 BOTNICAL DESCRIPTION 3.3 GEOGRAPHICAL DESCRIPTION 3.4 SCIENTIFIC CLASSIFICATION 3.5 CHEMISTRY 3.6 STRUCTURE OF CHEMICAL CONSITUENTS 3.7 MORPHOLOGY OF THE PLANT 3.8 PHAMACOLOGICAL PROPERTIES 4) AEGLE MARMELOS (BEL) 4.1 INTODUCTION 4.2 SCIENTIFIC CLASSIFICATION 4.3 BOTNICAL DESCRIPTION 4.4 PARTS OF PLANT 4.5 PHYTOCONSITUENTS 4.6 PARTS OF PLANT WITH THEIR PROPERTES 4.7 PHARMACOLOGICAL ACTIVITIES 4.8 MEDICINAL USES



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Koni, Bilaspur - 495009 (C.G.)

CONTENT	
• Introduction	1-2
 medicinal plants l. aloe vera 2. Indian gooseberry 3 Lemon 4. Mango 5. Banana 6. Guava 7. Bodhi tree 8. pomegranate 	4 5 6 7 8 9
9. Betel leaf 10. Black plum 11. Curry leaves 12. Banyan tree 13. wood apple 14. periwinkle 15. Asthma weed 16. Hibiscus	11 12 13 14 15 16
17. Butterfly pea	19 20 21 22 23 24 25 26
- Summary	
Roference	29-30



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Koni, Bilaspur - 495009 (C.G.)

A Comparative Analysis of Kabul First and Virat Variety of Cicer arietinum in

Response to Salt Stress

A DISSERTATION REPORT

SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE DEGREE

OF

BACHELOR OF SCIENCE (HONS.) IN BOTANY



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(A CENTRAL UNIVERSITY)

BY

DURGESH PATEL

B.Sc. (VI SEMESTER)

(ENROLLMENT NO: GGV/21/03616)

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UNDER THE SUPERVISION OF

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CERTIFICATE

This is to certify that the dissertation entitled A Comparative Analysis of Kabul First and Virat Variety of Chickpeas in Response to Salt Stress is based on the original work done by Durgesh Patel, B.SC. VI semester, department of Botany, Guru Ghasidas Vishwavidyalaya, Koni Bilaspur, Chhattisgarh, and this has not previously formed the basis for the award of my degree, diploma, associated or any other similar title and it represents entirely an independent work of the candidate.

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Place: Bilaspur Date: 15/05/24

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Place: Bilaspur

Date: 15/05/24

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Koni, Bilaspur - 495009 (C.G.)

Table of Contents

SI NO.	Contents	Page No.
1	Introduction	1-2
2	Materials and Methods	2-3
3	Result	3-5
4	Discussion	5-6
- 5	Conclusion	. 6
6	References	7

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Koni, Bilaspur - 495009 (C.G.)

A Review on "Medicinal Plants in Chhattisgarh"

A Dissertation Report submitted for the partial fulfilment of the requirement of the Award of Degree

of

BACHELOR OF SCIENCE

IN

BOTANY



2023-2024

BY

Ganga Ram

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Place: Bilaspur

Date: 15/05/2024

Dr. Mamta Patra Shahi (supervisor)

Assistant Professor

I recommend the Project Report to be forwarded to the respective examiners for evaluation. I wish her all the success in her carrier and life.

Place: Bilaspur

Date:

Prof. D. K. Patel

Head, Department of Botany

GGV, Bilaspur

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Guru Ghasidas Vishwavidyalaya (A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

Koni, Bilaspur - 495009 (C.G.)

CONTENT

❖ Introduction

* Material and Methods

- · Buchanania lanzan spreng
 - Madhuca longifolia
 - Cuscuta reflexa
 - · Argemone mexicana
 - Azadirachta indica
 - Diospyros melanoxylon
 - Holarrhena pubescens
 - · Aegle marmelos
 - Schleichera oleosa
 - · Ficus racemosa
 - Conclusion
 - *References

(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

Koni, Bilaspur - 495009 (C.G.)

A review on the application of biochar in air Pollution

A DISSERTATION REPORT

SUBMITTED FOR THE PARTIALFUL FILLMENT OF DEGREE

OF BACHELOR OF SCIENCE (HONS.)

IN

BOTANY



GURU GHASIDAS VISHWAVIDYALAYA (A CENTRAL UNIVERSITY) BY GAYATRI

B.Sc.(VI SEMESTER)

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UNDER THE SUPERVISION OF

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Dr. S.K. Pandey
Dr. Sudhir Kumar Pandey
Associate Professor
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TABLE OF CONTENT

S.NO.	TOPIC	Page No.
1	Introduction	7
2	Raw Materials/feedstock	7-8
3	Physical Properties	8
4	. Chemical Properties	8
5	Structure of biochar	8-9
6 .	Application of biochar in air pollution control	9
7	Conclusion	10
8	References	.11



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A DISSERTATION REPORTS "MEDICINAL USE OF ZINGIBER OFFICINALE"

SUBMITTED

For the fulfilment of the degree

Of

BACHELOR OF SCIENCE

IN

BOTANY



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SL.no. CONTENTS PAGE NO. 1. Introduction 1-2 2. Morphology 3-4 3. Chemical composition 5-6 Geography distribution 4. 7 5. Medicinal uses 8-14 6. Conclusion 15 7. References 16-18

Koni, Bilaspur - 495009 (C.G.)

GURU GHASIDAS VISHVIDYALAYA, BILASPUR (C.G.) DEPARTMENT OF BOTANY

Session 2023-24



Timber trees of Chhattisgarh



A Dissertation Report submitted in partial fulfilment for degree of B.Sc. in Botany

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Table of Contents	
I Introduction	11
2 Material methods:	12
3 Types of trees	12
3.1 Sal (shorea robusta):	13
3.1.1 Introduction	14
3.1.2 Use	14
3.1.3 Material uses	15
3.1.4 Phytochemical constituents of shorea robusta:	16
3.2 Teak (Tectona grand)	16
3.2.1 Introduction	17
3.2.2 Use	17
3.3 Beeja (Pterocarpus marsupium)	17
3.3.1 Introduction	18
3.3.2 Use	19
3.4 Saja(Terminaliatomentosa)	19
3.4.1 Introduction	19
3.4.2 Uses	20
3.5 Dhavdha (Anogeissus latifolia)	20
3.5.1 Introduction	
3.5.2 Uses	21
3.5.3 Chemical Constituents	21
3.6 Neelgiri (Eucalyptus mannifera)	21
3.6.1 Introduction	
3.6.2 Uses	22
3.7 Mahua (Madhuca indica tendu)	22
3.7.1 Introduction	22
3.7.2 Uses	23
3.7.3 Chemical structure	23
3.8 Bamboo (Dendrocalamus.strictus)	23
3.8.1 Introduction	
3.8.2 Uses	
3.8.3 Chemical structure	
Conclusion	
The Australia State of the Control o	26

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A DISSERTATION ON

MEDICINAL PROPERTIES OF THE

Nerium oleander L.

Submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF SCIENCE

Submitted By KHUSHBOO YADAV GGV/21/03622

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Guru Ghasidas Vishwavidyalaya (A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

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CONTENTS

1. Abstract	1
2. Introduction	2
3. Unique properties of Nerium oleander L.	3
4. Pharmacological properties	5-6
5. Geographical distribution	6
6. Anatomy of Nerium leaf	.7
7. Morphology of Nerium oleander L.	8
8. Ethnomdicinal value	9
9. Traditional use and activity of Nerium oleander L.	10-11
10. Conclusion	11
11. References	

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A DISSERTATION

Recent Advances in Growth Promoting Activity of Rhizobacteria: A Review

Submitted in the partial fulfilment of the requirement for the award of the degree of

Bachelor of Science in BOTANY

To



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Place: Bilaspur

Date: 13 5 24

Head of Department

3

INDEX

- 1. Abstract
- 2. Introduction
- 3. Review of literature
 - 3.1. Phytohormone production by Rhizobacteria
 - 3.1.1. Auxin
 - 3.1.2. Cytokinin
 - 3.1.3. Gibberellin
 - 3.1.4. Abscisic acid
 - 3.2. Mineral Solubilizing Activity
 - 3.2.1. Phosphate Solubilizing Activity
 - 3.2.2. Siderophore Production Activity
 - 3.3. Biocontrol Activity of PGPR
 - 3.3.1. Cellulase
 - 3.3.2. Pectinase
- 4. Conclusion
- 5. Reference

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A REVIEW ON BRYOPHYLLUM (KALANCHOE) & BIOPROSPECTING

A Dissertation Report submitted for the partial fulfilment of the requirement of the

Award of Degree

OF

BACHELOR OF SCIENCEE IN BOTANY

At

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)



2023-2024

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CONTENTS

- 1) INTRODUCTION
- 2) ANATOMICAL CHARACTERISTICS
- 3) BIOPROSPECTING
- 4) MATERIAL AND METHODS
- 5) CHEMICAL COMPOSITION AND STRUCTURE
- 6) USES
- 7) DISCUSSION
- 8) CONCLUSION
- 9) REFERENCES

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"STUDIES OF MEDICINAL PLANTS IN LORMI TEHSIL"

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CONTENTS

1.Introduction	
2.classification of plants	
A.Satavar (Asperagus racemosus)
B.Guava (Psidium guajava)	
C.Jamun (Syzygium cumini)	
D.Kaner (Cascabela thevetia)	
E.Touch me not plant (Mimosa p	udica
F.Giloy (Tinospora cordiofolia)	
G.Neem (Azardirachta indica)	
H.Tulsi (Ocimum tenuiflorum)	
I.Bhasma plant (Kilonchoe pinna	(a)
J.Laxmi taru (Simarouba glauca)	
K.Mehandi (Lawasonia inermis)	
3.Medicinal importance/uses	
4.Summary	

5.conclusion
6.References

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A DISSERTATION

Algae Diversity In India: A Review

Submitted in the partial fulfilment of the requirement for the award of the degree of

Bachelor of Science in BOTANY



To

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TABLE OF CONTENT.

ABSTRACT	06
1.Introduction	07-12
2.Review of Literature	
2.1. Morphology of Algae	13-15
2.1.1. Unicellular	
2.1.2. Colonial	
2.1.3. Filamentous	
2.1.4. Siphonous	
2.1.5. Parenchymatous	
2.2. Types of Algae	15-19
2.2.1. Euglenophyta	
2.2.2. Chrysophyta	
2.2.3. Pyrrophyta	
2.2.4. Chlorophyta	
2.2.5. Rhodophyta	
2.2.6. Phaeophyta	
2.2.7. Xanthophyta	
2.3. Uses of Algae	20-21
2.4. Algae as Biofertilizer	21
2.5. Habitat of Algae	22
3. Conclusion	23
. Reference	24-26
. Neterono	

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A DISSERTATION

ANTAGONISM ACTIVITY OF FUNGUS TO BIOCONTROL PATHOGEN:

A REVIEW

Submitted in the partial fulfilment of the requirement for the award of the degree of

Bachelor of Science in BOTANY

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INDEX

- 1.Abstract (7)
- 2.Introduction (8-10)
- 3. Review of literature (11-18)
 - 3.1 some fungus show antagonistic property
 - 3.2 Formulation of biocontrol agents.
 - 3.2.1 Granular and powder formulation
 - 3.2.2 Liquid formulation
 - 3.3 Importance of Biocontrol agent
 - 3.4 Chemical control verses Biological Control Agents
 - 3.4.1 use of chemical in diseases control
 - 3.4.2 use of biological control agent for plant disease control
- 4. Conclusion (19)
- 5.Reference (20-24)

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Koni, Bilaspur - 495009 (C.G.)

A PROJECT ON

ROLES OF SOIL MICROORGANISMS AND SOIL HEALTH

Submitted in partial fulfilment of the

requirements for the award of the degree of B.Sc.

"Bachelor of Science in Botany"

Submitted by:

MANJUSHA BHARTI

ROLL NO. 21058131

Enrollment No. GGV/21/036031 B.Sc. – 6th Semester

UNDER THE GUIDANCE OF:

Prof. Devendra Kumar Patel

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INDEX

Serial Number	Content	Page no.	
01.	Introduction	06 - 07	
02.	Types of soil microorganisms 2.1 Bacteria 2.2 fungi 2.3 Algae 2.4 Protozoa 2.5 Viruses	07 - 11	
03.	Benefitsof soil microorganisms 3.1 Diseases control 3.2Availability of soil nutrients 3.3 Ecological balance among plants soil and microbes	12 - 14	
04.	Roles of soil microbes on plants	14 - 16	
05.	Conclusions	16	

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"Exploring the Cosmetic Applications of Asteraceae Family: A Documentation Study"



Submitted in partial fulfillment of the requirement for the award of the degree of

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This is to certify that dissertation entitled "Exploring the Cosmetic Applications of Asteraceae Family: A Documentation Study" **Is based on** original work done by "Mimanshika kumari", Department of Botany, Guru Ghasidas Vishwavidyalaya, Bilaspur and this has formed the basis for the award of any degree, diploma, associateship, fellowship or any other similar title and it represent entirely an independent work of the candidate.

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TABLE OF CONTENT

Chapter	Content	PAGE NO.
1	ABSTRACT	6
2	INTRODUCTION	7 - 8
3	ABOUT COSMETICS	9 - 10
4	HERBAL COSMETIC	11 - 12
5	ASTERCEAE FAMILY	13
6	LIST OF PHOTOGRAPHS	14 - 23
7	Table	24 - 26
8	conclusion	27 - 28
9	Reference	29 - 30

Guru Ghasidas Vishwavidyalaya (A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

Koni, Bilaspur - 495009 (C.G.)

A DISSERTATION REPORT

A review on Chromium stress in plants

Submitted in the partial fulfilment of the requirement for the award of the degree of

Bachelor of Science in BOTANY

To



GURU GHASIDAS VISHWAVIDYALAYA (A CENTRAL UNIVERSITY)

BY

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This is certifying that the dissertation entitled "A review on chromium stress in plant" is based on the original work done by Ms. Muskan Sahu, Department of Botany, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur 495009(C.G.), under my supervision and this has not previously formed the basis for the award of any degree, diploma, associate ship, fellowship or any other similar title and it represents entirely an independent work of the part of candidate. Plagiarism is less than 15% in this review paper.

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Table of Content

S. No.	Topic	Page No.
1	Introduction	5-6
2	Sources of Cr	6-7
3	Phytotoxicity effects on plant	7
4	Effects on seed germination	8
5	Effects on morphology	8 - 10
6	Anatomical changes in plant	11 - 12
7	Physiological changes in plant	12
8	Chromium induced oxidative damage in plants	12 - 14
9	Antioxidant enzymes	14
10	Role of proline in heavy metal stress	15
11	Role of proline in crop improvement	15 - 16
12	Conclusion	16
13	Reference	16 - 18

A Review On Local Fruits Of Chhattisgarh

A Dissertation Report submitted for the partial fulfilment of the requirement of the

Award of Degree

OF

BACHELOR OF SCIENCEE IN BOTANY

At

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S. N O	COMMO N NAME	BOTANICA L NAME	FAMILY	HAB BIT	NUTRIENT PRESENT	CHEMICAL PRESENT
1	Char Chironji	Buchanania Lanzan spreng	Anacardia ceae	Tree	Carbohydrates (such as sugars and fibers), vitamins (like vitamin C), minerals (such as potassium and calcium), organic acids (like citric acid), and antioxidants (such as flavonoids and phenolic compounds)	Nitrogen, Carbon, Phosphorus, Sulfur, and Potassium
2	Mahua	Madhuca longifolia	Sapotacea e	Tree	The whole mahua seeds contain 50-61 % oil, 16.9 % protein, 3.2 % fiber, 22 % carbohydrates, 3.4 % ash, 2.5 % saponins, and 0.5 % tannins. Oil represents the major component which is thrice the amount of protein	Polycyclic aromatic hydrocarbons (PAHs) and acrylamide.

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PHARMACOLOGICAL VALUES OF Aloe barbadensis miller

DISSERTATION REPORT SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE DEGREE OF BACHELOR OF SCIENCE IN BOTANY



BY

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TABLE OF CONTENT

NO.	TOPICS	PAGE NUMBER
01	INTRODUCTION	06-07
02	SCIENTIFIC CLASSIFICATION OF ALOE VERA	08
03	ANATOMY AND MORPHOLOGY OF ALOE bardadensis	09 -11
	ACTIVE COMPONENTS IN ALOE	12-14
04	VERA COMPONENTS IN ALOE	12-14
05	MEDICINAL PROPERTY OF ALOE VERA	15-17
06	CONCLUSION	18
07	REFERENCE	19

Koni, Bilaspur - 495009 (C.G.)

A DISSERTATION ON MEDICINAL PROPERTIES OF

Kalanchoe pinnata



Submitted in partial fulfillment of the requirement for the award of degree of

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This is to certify that this dissertation entitled "Kalanchoe pinnata" Constitutes the work done by Nisha Das student of B.Sc (Hons) Botany VI sem. in the Department of Botany, Guru Ghasidas Vishwavidyalaya.

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CONTENTS

- 1 Abstract
- 2 Introduction
- 3 Unique properties of Kalanchoe pinnata

Toxicity

Ability to survive under extreme climatic conditions

Industrial Prospective

4 Pharmacological activity

Antimicrobial activity

Anti-inflammatory activity

Antimalerial activity

Antipyratic activity

Antiasthmatic activity

Anti-cancer activity

5 Effects on reproductive organs

Spasmolytic activity

Antidiarrhoeal activity

Neuroprotective effective

Immune responses activity

- 6 Biological uses of different parts of Kalanchoe pinnata and their extraction.
- 7 An Overview of the Characteristics and Potential of Kalanchoe pinnata

Ecology and biology

- 8 Genus Kalanchoe: a hub of medicinally active Phytoconstituents
- 9 Identification and activity of Kalanchoe pinnata leaves
- 10 Conclusion
- 11 Refrences

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Extrafloral Nectaries and their Strategic Positioning: An evolutionary dilemma solved?

Dissertation Report Submitted for the partial fulfilment of the degree of



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CONTENTS

	Page No.
List of Figures	i
I. Introduction	
2. Morphology of EFNs	
3. Anatomy of EFNs	
4. Chemical composition of EFNs	
5. Physiology of nectar secretion	9
6. Environmental influence of EFNs	9
7. Genomics of EFNs	10
8. Different Positions of EFNs on plants	10
8.1 EFNs located on the adaxial (upper) surface of the le	af11
8.2 EFNs located on the rachis.	11
8.3 EFNs located on the stipules/stipels	
8.4 EFNs located on the petioles	12
8.5 EFNs located on the abaxial (lower) surface of the leaves.	12
8.6 EFNs located on the base of the leaflet	12
8.8 Multiple locations of EFN in the same plant	12
8.9 EFN located on Inflorescence and floral parts	13
8.10 EFNs present on the fruits	13
8.11 EFNs located on the tendrils	13
8.12 EFNs located on the bud scales	13

EFFECTS OF MICROORGANISMS ON FOOD SAFETY AND QUALITY

(REVIEW)

A Dissertation Report submitted for the partial fulfilment of the requirement of the

Award of Degree

OF

BACHELOR OF SCIENCEE IN BOTANY

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TOPIC: EFFECTS OF MICROORGANISMS ON FOOD SAFETY AND QUALITY

CONTENTS

ABSTRACT

- 1. Introduction
- 2. Microorganisms in our household
 - 2.1. Traditional fermentation
 - 2.2. Fermented products commonly found in household's
 - 2.3. Safety measures to follow in kitchen
- 3. Beneficial aspect of microorganisms and their role in different industries
 - 3.1. Dairy industry
 - 3.2. In bakery
 - 3.3. In beverages and other product industries
 - 3.4. In medical field
 - 3.5. In agricultural sector
- 4. Harmful aspect of microorganisms (negative impacts)
 - 4.1. Food spoilage microorganisms
- 5. Health risks associated with microorganisms
 - 5.1. Food poisoning
 - 5.2. Swine flu and bird flu
- 6. Key factors influencing microbial growth
 - 6.1. The intrinsic factors
 - 6.2. The extrinsic factors
- 7. Strategic control methods of microbial growth
 - 7.1. Preservation
 - 7.2. Packaging
 - 7.3. Sanitation
 - 7.4. Irradiation
 - 7.5. Antimicrobial agents
 - 7.6. Hygiene practices
- 8. Conclusion and future perspective
- 9. References

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MEDICINAL VALUES OF THE

Phyllanthus emblica L. (AMLA)

DISSERTATION REPORT SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE DEGREE OF BACHELOR OF SCIENCE IN BOTANY



By

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Koni, Bilaspur - 495009 (C.G.)

CONTENT TABLE

S.No	Title	Page No.	
1.	Introduction	6-7	\dashv
2.	Morphology	8-9	\dashv
3,	Geographical distribution	. 10	\exists
4.	Vernacular name	11	\dashv
5.	Nutritional Value	12	┪
6.	Recommendation Dosage of Vitamin C	13	┪
7.	Phytochemistry	14-17	
8.	Medicinal Value	18	\neg
9.	Traditional uses of Amla	19	
10.	Therapeutic and pharmacological value	20-26	
11.	Conclusion	27	
12.	Reference	28-29	

Guru Ghasidas Vishwavidyalaya (A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

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PLANT BIODIVERSITY OF GGV"

A Dissertation Report

Submitted

In partial fulfillment of the requirement for the award of the degree of Bachelor of Science in Botany



By

PRAGYA SHARMA

B.Sc. (Hons.) VI Semester

Enrollment no- GGV/21/036042 Roll no. - 210581042

Under the Supervision of

DR. SHUSHIL KUMAR SHAHI

Associate Professor

May 2024

Department of Botany

School of Studies of Life Science

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https://www.instagram.com/reel/C5P52lhB_cX/?igsh=M2Y0emU2Y3FiNjl4Place:
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Koni, Bilaspur - 495009 (C.G.)

MOLECULAR CONSTITUENTS AND PHARMACOLOGICAL ACTIVITY OF CURCUMA LONGA (TURMERIC) DISSERTATION REPORT SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE DEGREE OF BACHELOR OF SCIENCE IN BOTANY



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This is to certify that the project report entitled "Molecular constituents and Pharmacological activity of curcuma longa (turmeric), "is an authentic record work done by PRATEEK TIWARI student of B.Sc. (Hons.) Botany VI Sem, in the department of Botany, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (C.G).

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TABLE OF CONTENT

SNO.	TOPICS	PAGE NUMBER
01	INTRODUCTION	6-7
02	Geographical distribution	8-11
03	Turmeric history	12-13
04	Harvesting and curing	13-14
05	Molecular constituents in turmeric	14-20
06	Pharmacological activity	20-26
07	Conclusion	26-27
08	Reference	28-29

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A review on the Biochar Derived From Invasive Plant Species

A DISSERTATION REPORT SUBMITTED FOR THE PARTIAL FULFILLMENT OF DEGREE

OF

BACHELOR OF SCIENCE (HONS.)

IN

BOTANY



GURU GHASIDAS VISHWAVIDYALAYA (A CENTRAL UNIVERSITY)

BY

PRATEEKSHA RAI

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(Roll no: 21058144)

UNDER THE SUPERVISION OF Dr. S.K. PANDEY

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Table of Content

TOPIC	Page No.
Introduction	7-8
Physiochemical properties	9-10
Preparation of biochar	10-11
Modification of biochar	12-13
Application of biochar	13-15
Conclusion	15-1
Reference	16-23
	Introduction Physiochemical properties Preparation of biochar Modification of biochar Application of biochar Conclusion

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SURVEY OF LOCAL MEDICINAL PLANT OF AKALTARA JANGIR-CHAMPA

(SURVEY)

A Dissertation Report submitted for the partial fulfilment of the requirement of the

Award of Degree

OF

BACHELOR OF SCIENCE IN BOTANY

At

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S.NO	CHAPTERS	Page no.
1.	Abstract	6
2.	Introduction	7-8
3.	Objective	8
4.	Study area	8-9
5.	Methodology	10
6.	Table of content	10-12
7.	Scientific classification and description with uses of plant specimens	12-37
8.	Conclusion	37
9.	References	38-39

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A DISSERTATION REPORT

Phytochelation Mechanisms in Plant

Submitted in the partial fulfilment of the requirement for the award of the degree of

Bachelor of Science in BOTANY

To



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BY

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Table of Content:

SI No.	Content	Page No.
1.	Introduction	1-5
2.	Phytochelation synthesis	5-6
3.	Phytochelatin synthesis and regulation	6-7
4.	Transportation and phytochelatin buildup	7-8
5.	The phytochelatins mechanism of action	8-9
6.	Meta(loid) transport into the vacuole assisted by phytochelatin	9-10
7.	Roles of phytochelatin on plants	10-11
8.	Conclusion	11

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Gut Microbiome: its relation with food habit (REVIEW)

A Dissertation Report submitted for the partial fulfilment of the requirement of the

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OF

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Content-

Abstract

Keywords

- 1. Introduction.
- 2. Human gut microbiome.
- 2.1. Function of gut microbiome.
- 2.2. Good, bad and opportunistic gut bacteria.
- 2.3. The gut microbiota and inflammatory bowel disease.
- 3. Food habit.
- 4. Relationship between food habit and gut microbiome.
- 5.how to cure disbalanced gut microbiome.
- Conclusion and future prospective.

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STUDY OF THE BIODIVERSITY OF THE NORTH – WESTERN PART OF GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (CG)

A Dissertation Report

Submitted

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A DISSERTATION ON Roles of Phytohormones in plant senescence



SUBMITTED FOR THE PARTIAL FULFILLMENT OF DEGREE OF BACHELOR OF SCIENCE IN THE

DEPARTMENT OF BOTANY

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Table of Contents

1.Introduction	1-2
2. Signs of senescence	
2.1 Leaf senescence	
2.2 Flower Senescence	
2.3 Fruit Senescence	
2.4 Abscission	
3. Hormones involved in plant senescence	4-9
3.1 Roles of Ethylene	
3.1.1 Interaction of ethylene with other hormones in relation to senescence	
3.2 Roles of Abscisic Acid	
3.3 Roles of Salicylic Acid	
3.4 Roles of Jasmonic Acid	
4. Conclusion	9
5 References	10-17

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A DISSERTATION REPORT

A review on ROS TOLERANCE IN PLANT UNDER ABIOTIC STRESS

Submitted in the partial fulfilment of the requirement for the award of the degree of

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To



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S No.	Contents	Page No.
1.	Introduction	7-8
2.	ROS Homeostasis by organelles under abiotic stress in plant	8-13
3.	Plant defence mechanism against oxidative stress	13-14
1.	Conclusion	14-15
5.	References	15-19

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Koni, Bilaspur - 495009 (C.G.)

A PROJECT REPORT ON 'GLOBAL WARMING REVIEW CONSEQUENCES'

A Dissertation submitted to



DEPARTMENT OF BOTANY SCHOOL OF LIFE SCIENCE

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For Partial fulfilment of the requirements for the degree of

BACHELOR OF BOTANY (HONOURS)

2023-24

Submitted by

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CONTENTS
1. Introduction01
2. Green house effect02
Green house gases: A Hazard
3. Causes of Global warming07
4. Evidences of climate change09
5. Climate change evidences from Physical systems09
 Increase in sea water temperature Melting of mountain glaciers and snow Sea level rise Shifting trends in precipitation Incidence of floods, droughts and earthquakes Monsoon unpredictability Climate change evidences from biological systems Advance onset of flowering in trees Shifting of temperate crops Changing cropping patterns
6. Impacts of Global Warming16
 Melting of glaciers Loss of biodiversity Altered ecosystem dynamics Increased extinction risks Impact on agriculture

(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

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"A Review: Application of Biochar in Soil"

A Dissertation Report

Submitted for the Partial Fulfilment of the Degree of

BACHELOR OF SCIENCE IN BOTANY TO



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BY

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This is certifying that the dissertation entitled "A Review: Application of biochar in soil" is based on the original work done by Miss Sakshi Rajwade Department of Botany, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur 495009(C.G.), under my supervision and this has not previously formed the basis for the award of any degree, diploma, associate ship, fellowship or any other similar title and it represents entirely an independent work of the part of candidate.

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Table of Content

S no.	Topic	Page no.
1.	Introduction	1-2
2.	Properties of biochar	3-4
3.	Biochar feedstock	5-6
4.	Application of biochar in soil	7-10
5.	Conclusion	11
8.	Reference	12-15



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A DISSERTATION ON PHYSIOLOGICAL RESPONSES OF PLANTS DUE TO CLIMATE CHANGE



SUBMITTED FOR THE PARTIAL FULFILLMENT OF DEGREE OF BACHELOR OF SCIENCE IN

DEPARTMENT OF BOTANY

GURU GHASIDAS VISHWAVIDYALAYA

(A CENTRAL UNIVERSITY)

BY

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B.Sc. (VI SEMESTER)

(ENROLLMENT NO: GGV/21/03654) (Roll no: 21058154)

UNDER THE SUPERVISION OF

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TITLE: PHYSIOLOGICAL RESPONSES OF PLANTS DUE TO CLIMATE CHANGE

CONTENTS:

- 1. Introduction
- 2. Elevation of CO2
- 3. Elevated Temperature
- 4. Drought
- 5. Water logging
- 6. Soil Salinity
- 7. Conclusion
- 8. References



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"A REVIEW ON BIOCHAR DERIVED FROM SAWDUST"

A DISSERTATION REPORT
SUMMITTED FOR THE PARTIAL FULFILLMENT OF DEGREE
OF
BACHELOR OF SCIENCE(HONS.)
IN
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Submitted By SHRUTI NISHAD Roll no.21058155

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CONTENT

S.No	Topic	Page no
1.	Introduction	7-8
2.	Sawdust and preparation of feedstock	9-11
3.	Properties of sawdust biochar	11-14
4,	Application of sawdust biochar	14-18
5.	Conclusion	19
6,	Reference	20-29

AEROMONAS GENUS: EXPLORING THE SPECTRUM FROM PATHOGENS TO NATURE'S AIDE, A COMPARATIVE REVIEW (REVIEW)

A Dissertation Report submitted for the partial fulfilment of the requirement of the

Award of Degree

OF

BACHELOR OF SCIENCEE IN BOTANY

At

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)



2023-2024

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TOPIC: AEROMONAS GENUS: EXPLORING THE SPECTRUM FROM PATHOGENS TO NATURE'S AIDE, A COMPARATIVE REVIEW

ABSTRACT

- 1. INTRODUCTION
- 2. CHRONICLES OF TRACING THE EVOLUTIONARY JOURNEY
- 2. CHROMONAS IN SPOTLIGHT: A CLOSER LOOK AT ITS UNIQUES CHARACTERISTICS
- 4. BENEFICIAL ROLES OF AEROMONAS BEYOND PATHOGENS: AEROMONAS AND ITS
 - 4.1 BIOREMEDIATION POTENTIAL
 - 4.2 SECONDARY METABOLITES PRODUCTION
 - 4.3 AS PLANT GROWTH PROMOTOR
 - 4.4 ECOLOGICAL IMPORTANCE
- 5. UNMASKING AEROMONAS: INSIGHTS INTO PATHOGENICITY
 - 5.1 AEROMONAS PATHOGENIC SPECIES: IMPACT ON PUBLIC HEALTH &
 - 5.1.1 AEROMONAS AND PUBLIC HEALTH
 - 5.1.2 AEROMONAS AND ZOONOTIC TRANSMISSION
- 6. DIFFERENT VIRULENCE FACTORS
 - 6.1 STRUCTURAL COMPONENTS
 - 6.2 EXTRACELLULAR PROTEINS
 - 6.3 SECRETION SYSTEMS
- 7. QUORUM SENSING & BIOFILM PRODUCTION
- 8. NAVIGATING ANTIBIOTIC RESISTANCE IN AEROMONAS
- 9. CONCLUSION AND FUTURE PERSPECTIVE:
- 10. REFRENCES

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CONTENT

- 1. Gummosis
- 2. Root Rot
- 3. Heart Rot
- 4. Anthracnose
- 5. Leaf spot
- 6. Canker
- 7. Fruit rot
- 8. Powedery mildew
- 9. Dieback
- 10. Leaf rust
- 11. Black tip of mango



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A DISSERTATION ON

Curcuma longa L. (Turmeric)

For partial fulfilment of the degree of BACHELOR OF SCIENCE IN BOTANY

SUBMITTED BY

TANISHA PATEL

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CONTENTS

S.	TOPIC	PAGE NO.	
NO.			
1.	Introduction	6-7	
2.	MORPHOLOGY OF THE PLANT	8-11	
3.	CHEMISTRY	12-13	
4.	PHARMACOLOGICAL PROPERTIES OF TURMERIC	14-20	
5.	TRADITIONAL/ ETHNOMEDICINAL USES	21	
6.	CURCUMIN BIOAVAILABILITY	21-22	
7.	CONCLUSION	22	
8.	REFERENCES	23-28	

PHAGE THERAPY: A NEW APPROACH TO FIGHT AGAINST BACTERIAL INFECTIONS

(REVIEW)

A Dissertation Report submitted for the partial fulfilment of the requirement of the

Award of Degree

OF

BECHELOR OF SCIENCEE IN BOTANY

At

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)



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Topic: Phage Therapy: a new approach to fight against bacterial infections

CONTENTS

ABSTRACT

- 1. Introduction
- 2. History of Phage Therapy
- 3. Phage Biology
- 4. Mechanism of phage therapy
- 5. Phage therapy VS Antibiotics
- 6. Applications of Phage Therapy
- 7. Advantages
- 8. Challenges/Limitations
- 9. Future perspective
- 10. Conclusion
- 11. References



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A Review On The Biochar Preparation And Modification

A DISSERTATION REPORT SUBMITTED FOR THE PARTIAL FULFILLMENT OF THE DEGREE OF BACHELOR OF SCIENCE (HONS.)

IN BOTANY



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Table of Content

TOPIC	Page No.
Introduction	7-8
Effect of biomass used on biochar	8-9
Biochar preparation	9-12
Pyrolysis	9-10
Hydrothermal carbonisation	10-11
Gasification	11
Flash carbonization	12
Torrefaction	12
Biochar modification	12-
Physical modification	13-14
Chemical modification	14
Conclusion	15
References	15-22
	Introduction Effect of biomass used on biochar Biochar preparation Pyrolysis Hydrothermal carbonisation Gasification Flash carbonization Torrefaction Biochar modification Physical modification Chemical modification Conclusion

Koni, Bilaspur - 495009 (C.G.)

"BIODIVERSITY MAPPING OF FLOWERING PLANT IN THE AREA OF USLAPUR"

A DISSERTATION REPORT SUMMITTED FOR THE PARTIAL FULFILLMENT OF DEGREE OF BACHELOR OF SCIENCE(HONS.)

> IN BOTANY

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S.NO.	Topic	Page no
1	Introduction	1
2	Area of biodiversity mapping	2-3
3	Sampling design and method of data collection	4-5
4	Species identification and taxonomic considerations	6-7
5	Data analysis techniques,including mapping approaches and statistical method	8-11
6	Result	12-30
7	Conclusion	31
8	Reference	32-33

A REVIEW DISSERTATION WORK ON:

MINT

(The Genus: Mentha)

FOR PARTIAL FULFILLMENT OF DEGREE OF BACHELOR OF SCIENCE IN BOTANY

Submitted By:

USHA MAHANT

ENROLLMENT NO - GGV/21/03662

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UNDER THE SUPER VISION OF

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Session 2021-2024



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Head বন্ধজ্ঞিকানীপ্ৰকা Department of Botany

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CONTENTS

ГОРІС	PAGE NO
1.ABSTRACT	6.
2.INTRODUCTION	7-8
3.TAXONOMICAL CLASSIFICATION OF MINT	9
4.MORPHOLOGY	9-13
5.HISTORICAL DESCRIPTION	13-15
6.DIFFERENT SPECIES AND VARIATION	16-17
7.CHEMICAL COMPOSITION	18
8.CULTIVATION AND PROPAGATION	19-21
9.MEDICINAL, THERAPEUTICAL AND CULINARY APPLICATIONS	22-24
10.ECONOMIC IMPORTANCE	25-26
11.FUTURE RESEARCH AND CONCLUSION	27
12.REFERENCES	28-31



Koni, Bilaspur - 495009 (C.G.)

A DISSERTATION ON

A Review of Medicinal Plant

Carica papaya L.

For partial fulfilment of the degree of BACHELOR OF SCIENCE IN BOTANY

SUBMITTED BY

VIDHA VERMA

ENROLLMENT NO. - GGV / 21 / 03663 ROLL NO. - 21058163

UNDER THE SUPERVISION OF Prof. DEVENDRA KUMAR PATEL



DEPARTMENT OF BOTANY
GURU GHASIDAS VISHWAVIDYALAYA
A CENTRAL UNIVERSITY, BILASPUR (C.G.)
Session – 2021 - 2024



(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

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CERTIFICATE

This is to certify that the dissertation entitled "A Review of Medicinal Plants: Carica Papaya L." is based on the original work done by Vidha Verma, B.Sc. 6th Semester, Department of Botany, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur, Chhattisgarh and this has not been previously formed the basis of any degree, diploma, associateship or any other similar title; it represents entirely an independent workof the candidate.

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CONTENTS

S. NO.	TOPIC	PAGE NO.
1.	Introduction	6-7
2.	Therapeutics role of Carica Papaya	8-9
3.	Taxonomic Position of Carica Papaya	9
4.	Medicinal uses of Carica Papaya	10-11
5.	Benefits of Carica Papaya	12
6.	Uses in treatment of various diseases	13-14
7.	Negative aspects of Papaya	14-15
8.	Future aspects of Carica Papaya	15-16
9.	Chemical constituents of Carica Papaya	17-18
10.	Pharmacological activities of Carica Papaya	18-21
11.	Conclusion	21-22
12.	References	22-23

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A Dissertation Report

Submitted

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A Taxonomic Review of Of The Genus Indigofera

Dissertation Report Submitted for the partial fulfillment of the degree of



BACHELOR OF SCIENCE IN BOTANY

By YASH CHOUHAN ROLL NO. 21058165 2021-2024

Under the supervision of

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Date: 15-05-2024

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Koni, Bilaspur - 495009 (C.G.)

CONTENTS

	Page No
ist of Tables	i
ist of Figures	ii
Abstract	
1.Introduction	1
2. Taxonomic positions and morphological circumscription	2
2.1 Leaves	3
2.2 Inflorescence.	4
2.3 Flowers	
2.4 Pods	5
2.5 Seeds	
3. Cytology	
4. Palynology	
5. Biological activities	8
5.1 Pollination	8
6. Chemical constituents	9
7. Pharmacological activities	10
8. Phylogeny of Genus Indigofera	11
9. Molecular phylogeny	12
9.1 Phylogenetic incestigation of the genome of analysis of chroloplast	f
11. Significance of the study	
12. Summary	
12. Conclusion	
13 References	

MICROBES AND POLLUTION (REVIEW)

A Dissertation Report submitted for the partial fulfilment of the requirement of the

Award of Degree

OF

Bachelor of Science in Botany

At

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)



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Date: 15 5 2024

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I recommend the Project Report to be forwarded to the respective examiners for evaluation. I wish her all the success in her carrier and life.

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Content:

Abstract

Keywords

- 1. Introduction
- 2. What is Pollution?
- 3. Types of Pollution
 - 3.1Soil Pollution
 - 3.1.1 Sources of Soil Pollution
 - 3.2Air Pollution
- 3.2.1 Long-Term and Short-Term Effects from Exposure to Air Pollutants
 - 3.3 Water Pollution
- 3.3.1 Short-term and Long-term Impacts of Water Pollution
 - 3.4Microbial Pollution
 - 3.5 Microbes as Pollutant
- 4. Remedies for Pollution through chemical and biological ways-
- 4.1 Chemical Remediation
 - 4.2Biological Methods
- 5. Conclusion
- 6. References