

SNJB (Jain Gurukul's)

**K.K.H. Abad Arts, S.M.G. Lodha Commerce & S.P.H. Jain Science College
Neminagar, Chandwad-423101, Dist.-Nashik, Maharashtra**



Establishment
27/11/1928

(Affiliated to SavitribaiPhule Pune University) Id. No.PU/NS/AC/015/1970

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• P. O. Box No.: 6 • E-mail : alccchandwad@yahoo.co.in

• Website : www.acschandwadcollege.com

DST-FIST Funded (2018-19)

UGC-NSQF Courses (B.Voc. & CC)

Best College Award by SavitribaiPhule Pune University (2015-16)

1.3.2: Number of courses that include experiential learning through project work/field work/internship during the year

M.Sc.II. Botany - Project

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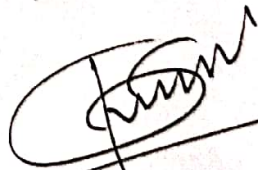
M. Sc II Botany Semester IV

BOUP244 Botany Practical paper (2Cr)

OR PG Dissertation (2Cr)

BOUP244 based on BODT244c) Research Methodology (2Cr)

Sr. No	Title of practical (Any 12 Practical)	No.
1	Experiments based on chemical calculations.	1
2	Plant micro technique experiments.	1
3	The art of imaging of samples through microphotography and field photography.	1
4	Poster presentation on defined topics.	1
5	Technical writing on topics assigned.	1
6	Identification of different types of research in day by day life	1
7	Testing of a formulated hypothesis with type I and type II errors	1
8	Curation of relevant scientific literature from Google Scholar, NCBI PubMed etc	1
9	Poster presentation on defined topics	1
10	Demonstration for checking of plagiarism using recommended software	1
11	Technical writing on topics assigned.	1
12	More Practical may be added depending on the local habitats and available facilities	1


PRINCIPAL
K.H.A. Arts, S.M.G.L. Comm.
& S.P.H.J. Science College.
Chandwad Dist Nashik-42310



ESTD - 1928

SNJB's
KKHA Arts SMGL Commerce and SPIIJ Science College, Chandwad Dist-Nasik,
Maharashtra Pin-423101 India

(Affiliated to Savitribai Phule Pune University, Pune, Maharashtra, India)
Best College Award Recipient (2015-16) (DST-FIST Funded 2018-19)

NAAC Reaccredited 'B++' Grade with CGPA 2.95 (2019-20)

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Dr. Dattatraya N. Shimpi (B.Com, M.PEd., Ph.D.)

Senior College Code No. 088

Principal

University Id. No. PU/NS/AC/015/1970

Email: shimpi.dnacs@snjb.org, Contact No.: 9689092092

Date -19/12/2024

No.61/Bot/2024-25

List Of Project Students M.Sc. II 2023-24

Name: Dr. Mayur S. Patil

List Of Project Students (2023-24)

Sr. No	Name Of The Students	PG Dissertation Title	Remark
1	Thombare Kaveri	Preliminary Phytochemical Analysis Of Some Lamiaceae Plants.	
2	Thakre Urmila	Taxonomic Studies In Some Asterace Family And Its Preliminary Qualitative Analysis	
3	Shinde Jayashri	Preliminary Phytochemical Assessment Of Tecoma Stans And Spathodia Campanulata	
4	Bhoje Ratna	Preliminary Phytochemical Screening In Some Fabaceae Plant	

Name: Dr. Manoj T. Patil

List Of Project Students (2023-24)

Sr. No	Name Of The Students	PG Dissertation Title	Remark
1	Kolhe Rohini	Phytochemical Analysis On <i>Erithrina Verigata</i> , <i>Grevia Aciatica</i> , <i>Woodfordia Fruticosa</i> .	
2	Thakre Savita	Phytochemical Analysis On <i>Wrightia Tinctoria</i> , <i>Woodfordia Fruticosa</i> .	
3	Pawar Rupesh	Phytochemical Analysis On <i>Erithrina Verigata</i> , <i>Butea Monosperma</i>	
4	Bahikar Harshali	Phytochemical Analysis On <i>Cassia Fistula</i> And <i>Abrus Pricatorious</i> .	

Name: Dr. Sudin C. Dalave

List Of Project Students (2023-24)

Sr. No	Name Of The Students	PG Dissertation Title	Remark
1	Gangurde Chhakuli	Analysis Of Biochemical Parameters Of Catharanthus Rosus	
2	Bagul Mayuri	Estimation Of Total Alkaloids From Safed Musali Cultivation In Various Soil Combination	
3	Bairagi Sakshi	Effect Of Different Salt Concentration On Overall Seed Germination And Ascorbate Peroxidase In Sorghum Vulgare Varieties	



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Principal

University Id. No. PU/NS/AC/015/1970

Email: shimpi.dnacs@snjb.org, Contact No.: 9689092092

Date -19/12/2024

No.61/Bot/2024-25

Name: Dr. Swapnil D. Wagh
List Of Project Students (2023-24)

Sr. No	Name Of The Students	PG Dissertation Title	Remark
1	Kolhe Pratiksha	Phytochemical Analysis Of <i>Pogostemon Benghalensis</i>	
2	Mapari Megha	Phytochemical Analysis Of <i>Lucus Biflora</i>	
3	Kotwal Chaitali	Recipie Of Wild Edible Plantfrom Chandwad	
4	Nikam Vaishali	Phytodiversity Of Snjbs College Campous	

Name: Mr. Navnath V. Pawar
List Of Project Students (2023-24)

Sr. No	Name Of The Students	PG Dissertation Title	Remark
1	Thakare Shweta	Study Of Oyester Mushroom Cultivation On Different Substrate	

Remarks:

1. IQAC Department:

2. ~~Principal~~

K.K.H.A. Arts, S.M.G.L. Comm.
& S.P.H.J. Science College,
Chandwad. Dist. Nashik-42310*

HEAD

Department of Botany
SNJB's K.K.H.A.Arts,S.M.G.L.Commerce
& S.P.H.J.Science College
Chandwad - 423101,Dist.Nashik.



A PROJECT REPORT ON
Phytochemical analysis on *Butea monosperma* & *Erithrina variagata*

SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY

FOR THE FULFILMENT OF
MASTER DEGREE IN BOTANY

BY

Mr. RUPESH VIJAY PAWAR

UNDER THE GUIDENCE OF

Dr. MANOJ TUKARAM PATIL (M.Sc. Ph.D.)

POST GRADUATED DEPARTMENT OF BOTANY

SNJB's KKHA Arts, SMGL Commerce & SPHJ Science College,

Neminagar, Chandwad-423101 Dist Nashik (MS)

PRINCIPAL
A.K.H.A. Arts, S.M.G.L. Comm.
& S.P.H.J. Science College,
Chandwad Dist Nashik-423101

YEAR 2023-2024

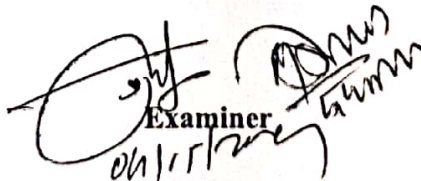
CERTIFICATE

This to certified that the work incorporated in the project entitled **Phytochemical analysis on *Butea monosperma* & *Erithrina variagata*** Being submitted by **Mr. Rupesh Vijay Pawar** for the award of M.Sc. degree in Botany from Savitribai Phule Pune University during the year 2023-2024 was carried out under the guidance and supervision of **Dr. Manoj Tukaram Patil**.

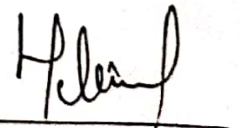
The matter embodied in this project as not been submitted in part or full to any other university for award of any degree. The material obtained from other sources has been duly acknowledgement in project.



Dr. Manoj T. Patil
(Project Guide)



Examiner



Dr. Mayur S. Patil
Head of department

HEAD
Department of Botany
K.K.H.A.Arts, S.M.G.L.Commerce &
S.P.H.J.Science College, Chandwad Dist. Nashik.

DECLARATION

I hereby declared that the project entitled, **Phytochemical analysis on *Butea monosperma* & *Erithrina variagata*** submitted for the degree of M.Sc. in Botany has not been previously submitted by me for any degree or diploma or any other university.

Name - Pawar Rupesh Vijay

Date -

Place - Chandwad

ACKNOWLEDGEMENT

With great pleasure, I express my deep sense of gratitude and respect to our project guide Dr. Manoj Tukaram Patil, for his inspiration, encouragement, excellent guidance, and suggestion to complete this project work.

I express my profound thanks to principal Dr. D. N. Shimpi SNJB's Art's, Science & Commerce College, Chandwad, who allowed me to work independently and provided me with the necessary facilities.

I am also grateful to Dr. Mayur S. Patil, Head Department of Botany for he's cooperation.

I am also thankful to Dr. Sudin C. Dalve, Dr. Swapnil D. Wagh, Prof. Sagar G. Lokhande, Prof. Navnath V. Pawar, Prof. Miss. Bhakti V. Jadhav, Prof. Yogita M. Pawar for their guidance & constant help.

I am also thankful to the Chemistry and Botany department for providing laboratory facilities. I take opportunities to express my heart full thanks to the non-teaching staff Mr. Akshay Shimpi, Mr. Bhushan Pathade & Mr. Krishna Shinde for their cooperation. I wish to thank all my dear friends Rohini, Savita & Harshali who encouraged & helped during my project as well as throughout the academic year. Finally, I have no words to express my sincere gratitude to my beloved parents & family.

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ABSTRACT

Plants are recognized in the pharmaceutical industry for their broad structural diversity as well as their wide range of pharmacological activities. The biologically active compound present in plants is called phytochemicals. These phytochemicals are derived from various parts of plants such as leaves, flowers, seeds, bark, and roots. These phytochemicals are used as a source of direct medicinal agents. The present experimental work deals with the collection of plants, the extraction of active compounds from leaves, and qualitative analysis of phytochemical and thin-layer chromatography.