

**“Study of Extraction of Chitosan and Characterization  
on its properties”**

**A Dissertation submitted to  
University of pune**



**As a partial fulfillment for the degree of  
Master in science, Zoology (Entomology)**

**By**

**Mr. Janrao Akshay Babasaheb**

**Under the guidance of**

**Dr. Muktabai Babasaheb Shinde**

**At**



**Sanjivani Arts Commerce And Science College,**

**Post-Graduate Department Of Zoology**

**Kopargaon -423 603**

**2022-2023**

Sanjivani Rural Education Societies

**Sanjivani arts commerce and Science  
College,**

**Kopergaon-423 601**

NACC Accredited B+

# Certificate

This is to certify that the project entitled 'Study of Extraction of Chitosan and Characterization on its properties'' being submitted by Mr. Janrao Akshay Babasaheb for the award of M.Sc. zoology (Entomology), university of pune, was carried out under the guidance and supervision of Dr. Shinde Mukta Babasaheb during academic year 2022-23.

Project Guide



Examiner



Head of Dept.

Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopergaon



**“To Study the Feeding behaviors of Physa Acuta and Cornu  
Aspersum Fresh Water Gastropods”**

**A Dissertation submitted to  
University Of Pune**



**As a partial fulfillment for the degree of  
Master in science, Zoology (Entomology)**

**By**

**Ms. Gunde Vrushali Bhausahab**

**Under the guidance of  
Prof. Munje R.R**

**At**



**Sanjivani Arts Commerce and Science College,  
Post-Graduate Department of Zoology  
Kopargaon -423 603  
2022-2023**



Sanjivani Rural Education Societies  
**Sanjivani Arts Commerce and Science  
College,  
Kopargaon-423 601**

NACC Accredited B+

## Certificate

This is to certify that the project entitled "To Study the Feeding behaviors of Physa Acuta and Cornu Aspersum Fresh Water Gastropods" being submitted by **Miss. Gunde Vrushali Bhausahb** for the award of **M.Sc. Zoology (Entomology)**, university of pune, was carried out under the guidance and supervision of **Prof. Munje R.R.** during academic year 2022-23.

*Spj*  
17/05/2023  
Project Guide

*V.R. L.*  
17/05/2023  
Examiner

*Spj*  
17/05/2023  
Head of Dept



Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopargaon

# **“THE STUDY OF DIABETES MELLITUS”**

**A Dissertation submitted to  
University Of Pune**



**As a partial fulfillment for the degree of  
Master in Science, Zoology (Entomology)**

**By**

**Mr. Gadekar Pratik Nivrutti**

**Under the guidance of**

**Dr. Yogita Channe**

**At**



**Sanjivani Arts Commerce And Science College,**

**Post-Graduate Department Of Zoology**

**Kopargaon -423 603**

**2022-2023**



Sanjivani Rural Education Societies

**Sanjivani Arts Commerce and Science  
College,**

**Kopargaon-423 601**

NACC Accredited B+

**Certificate**

This is to certify that the project entitled **"THE STUDY OF DIABETES MELLITUS"** being submitted by **Mr. Gadekar Pratik Nivrutti** for the award of **M.Sc. Zoology (Entomology)**, university of pune, was carried out under the guidance and supervision of **Dr. Yogita Channe** during academic year 2022-23.

Project Guide

*Yogita Channe*  
17/05/2023  
Examiner

*Pratik*  
17/05/2023  
Head of Dept.



Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopargaon



**“Biochemical Studies on the haemolymph and heart muscle normal  
and insecticide treated cockroach (periplaneta Americana)”**

**A Dissertation submitted to  
University of pune**



**As a partial fulfillment for the degree of  
Master in science, zoology (Entomology)**

**By**

**Mr. Tupake Hrushikesh Sanjay**

**Under the guidance of**

**Prof. Munje R.R.**

**Co-Guide – Prof. Girme S.B.**

**At**



**Sanjivani arts commerce and Science College,**

**Post-graduate department of zoology**

**Kopargaon -423 603**

**2022-2023**



Sanjivani Rural Education Societies

**Sanjivani Arts Commerce and Science  
College,**

**Kopargaon-423 601**

NACC Accredited B+

**Certificate**

This is to certify that the project entitled "**Biochemical Studies on the haemolymph and heart muscle normal and insecticide treated cockroach (*periplaneta Americana*)**" being submitted by. **Mr. Tupake Hrushikesh Sanjay** for the award of **M.Sc. zoology (entomology)**, university of pune, was carried out under the guidance and supervision of **Prof. Munje R.R.** during academic year 2022-23.

Project Guide

  
19/07/2023

Examiner

Head of Dept.



# “STUDY OF ZOOPLANKTON FROM DONGARGAON DAM YEOLA”

A Dissertation Submitted to  
University of Pune



As a partial fulfillment for the degree of  
Master in Science, Zoology (Entomology)

By

Miss. Somvanshi Vaishali Gorakhnath

Under the guidance of

Prof. Naikwadi Harshada G.



Sanjivani Arts Commerce and Science College,

Post-graduate department of zoology

Kopargaon -423 601

  
Project Guide

  
Examiner

  
Head of dept.



Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopargaon



Sanjivani Rural Education Societies

**Sanjivani arts commerce and Science College,  
Kopargaon-423 601**

NACC Accredited B+

# Certificate

This is to certify that the project entitled "**STUDY OF ZOOPLANKTON FROM DONGERGOAN POND**" being submitted by. Miss. **Somvanshi Vaishali Gorakhnath** for the award of **M.Sc. zoology (entomology)**, university of pune, was carried out under the guidance and supervision of miss. **NAIKWADI HARSHDA .G** academic year 2022-23.

  
Project Guide

  
Examiner

  
Head of Dept

**“COMPARATIVE STUDY OF ORNAMENTAL FISHES FOR  
FEEDING RATE OF MOSQUITO LARVAE.”**

**A Dissertation submitted to  
University of pune**



**As a partial fulfillment for the degree of  
Master in Science, Zoology (Entomology)**

**By**

**Miss. Rahane Divya Sanjay**

**Under the guidance of**

**Dr. Shinde Muktabai Babasaheb**

**At**



**Sanjivani Arts Commerce and Science College,  
Post-Graduate Department of Zoology  
Kopargaon -423 603  
2022-2023**



Sanjivani Rural Education Societies

Sanjivani Arts Commerce and Science College,

Kopergaon-423 603

NACC Accredited B+

# Certificate

This is to certify that the project entitled "COMPARATIVE STUDY OF ORNAMENTAL FISHES FOR FEEDING RATE OF MOSQUITO LARVAE" being submitted by Miss. **Rahane Divya Sanjay** for the award of **M.Sc. Zoology (Entomology)**, university of pune, was carried out under the guidance and supervision of **Dr.Shinde mukta Babasaheb** during academic year 2022-23.

Project Guide



Examiner

*Dr. Shinde*  
17/05/2023

*[Signature]*  
17/05/2023  
Head of Dept.

Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopergaon

**DETERMINATION OF VITAMIN C CONTAIN IN VARIOUS  
FRUITS AVAILABLE IN MANSOON SEASON**

**A Dissertation submitted to  
University of pune**



**As a partial fulfillment for the degree of  
Master in science, zoology (Entomology)**

**By**

**Miss. Sangpal Vaishnavi Nanasaheb**

**Under the guidance of**

**Miss. Naikwadi H.G**

**Co-Guide – Dr. Shinde M.B.**


**At**



**Sanjivani arts commerce and Science College,**

**Post-graduate department of zoology**

**Kopargaon -423 601**

  
**Project Guide**

**Examiner**

**Head of Dept.**





Sanjivani Rural Education Societies

**Sanjivani arts commerce and Science College,**  
**Kopargaon-423 601**

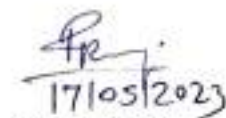
NACC Accredited B+

# Certificate

This is to certify that the project entitled **“Determination of Vitamin C contain in various fruits available in mansoon season”** being submitted by. Miss. Sangpal Vaishnavi Nanasaheb for the award of **M.Sc. Zoology (Entomology)**, university of pune, was carried out under the guidance and supervision of Miss. Naikwadi Harshada during academic year 2022-23.

  
Project Guide

  
Examiner

  
17/05/2023  
Head of Dept.



**Head**  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopargaon



**“Comparative study of oxygen consumption and estimation of protein in freshwater crab *Barytelphusa cunicularis*”**

**A Dissertation submitted to  
University of pune**



**As a partial fulfillment for the degree of  
Master in science, zoology (Entomology)**

**By**

**Miss. Chine Priyanka Bhaurao**

**Under the guidance of**

**Dr. Channe Yogita Raosaheb**

**At**



**Sanjivani Arts Commerce And Science College,**

**Post-Graduate Department Of Zoology**

**Kopargaon -423 603**

**2022-2023**



Sanjivani Rural Education Societies

Sanjivani Arts Commerce and Science College,

Kopargaon-423 601

NACC Accredited B+

# Certificate

This is to certify that the project "**Comparative study of oxygen consumption and estimation of protein in freshwater crab *Barytelphusa cunicularis*.**" being submitted by Miss.**Chine Priyanka Bhauro** for the award of **M.Sc. zoology (entomology)**, university of pune, was carried out under the guidance and supervision of **Dr.Channe Yogita Raosaheb** during academic year 2022-23.

Project Guide

  
Examiner

  
Head of Dept.



Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopargaon

# **“The Physicochemical Properties of Various Milk Sample”**

**A Dissertation submitted to  
University Of Pune**



**As a partial fulfillment for the degree of  
Master in science, Zoology (Entomology)**

**By**

**Miss. Akanksha Rajendra Bawake**

**Under the guidance of**

**Dr. Yogita Channe**

**At**



**Sanjivani Arts Commerce And Science College,  
Post-Graduate Department Of Zoology  
Kopargaon -423 603  
2022-2023**



Sanjivani Rural Education Societies

**Sanjivani Arts Commerce and Science  
College,**

**Kopargaon-423 601**

NACC Accredited B+

**Certificate**

This is to certify that the project entitled "The Physicochemical Properties of Various Milk Sample" being submitted by, **Miss. Akanksha Rajendra Bawake** for the award of **M.Sc. zoology (entomology)**, university of pune, was carried out under the guidance and supervision of **Dr. Yogita Channe** during academic year 2022-23.

Project Guide

  
19/05/23  
Examiner

  
17/05/2023  
Head of Dept.



**Head**  
**Department of Zoology**  
Sanjivani Arts, Commerce &  
Science College, Kopargaon

**COMPARATIVE ANALYSIS OF PROTEIN ESTIMATION  
OF FRESHWATER FISHES FROM KOPARGAON TAHSIL  
OF AHMADNAGAR DISTRICT**

**A Dissertation submitted to**

**University of Pune**



**As a partial fulfillment for the degree of  
Master in science, zoology (Entomology)**

**By**

**Ms. Kadam Vaishnavi Vilasrao**

**Under the guidance of**

**Mrs. Rupali munje**

**Co-Guide - Dr. Shinde M.B.**

**At**



**Sanjivani arts commerce and Science College,**

**Post-graduate department of zoology**

**Kopargaon -423 601**

*M. B. Shinde*  
*19/10/2023*

**Project Guide**

**Examiner**

**Head of dept.**





Sanjivani rural education societies

Sanjivani arts commerce and Science College,  
Kopargaon-423 601

NACC Accredited B+

# Certificate

This is to certify that the project entitled '**Comparative analysis of protein estimation of freshwater fishes from kopargaon tahsil of ahmadnagar district**', being submitted by Miss. **KADAM VAISHNAVI VILASRAO** for the award of **M.Sc. zoology (entomology)**, university of Pune, was carried out under the guidance and supervision of **MRS. RUPALI MUNJE** during academic year 2022-23

Project Guide



*Rupali Munje*  
24/01/2023  
Examiner

*Rupali Munje*  
17/05/2023  
Head of Dept.

Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopargaon



**"Phytochemicals analysis of *Ocimum sanctum*.Leaf extract"**

**A Dissertation submitted to**

**University of pune**



**As a partial fulfillment for the degree of  
Master in science, zoology (Entomology)**

**By**

**Miss. Dhandre Poonam Lahanu**

**Under the guidance of**

**Prof. Munje R.R.**

**At**



**Sanjivani Arts Commerce And Science College,**

**Post-graduate department of zoology**

**Kopergaon -423 603**

**2022-2023**




Sanjivani Rural Education Societies

**Sanjivani Arts Commerce and Science College,  
Kopargaoon-423 601**

NACC Accredited B+

## Certificate

This is to certify that the project entitled "**Phytochemicals analysis of *Ocimum sanctum*.Leaf extract**" being submitted by **Mr.Dhandre Poonam Lahanu** for the award of **M.Sc. zoology (entomology)**, university of pune, was carried out under the guidance and supervision of **Prof. Munje R.R.** during academic year 2022-23.

  
17/10/2023  
Project Guide

  
19/05/2023  
Examiner

Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopargaoon  
  
Head of Dept.



Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopargaoon

**“Comparative Study of Physico-Chemical Properties and Glucose  
Estimation Of Honey From Different Flora”**

**A Dissertation submitted to  
University of pune**



**As a partial fulfillment for the degree of  
Master in science, zoology (Entomology)**

**By**

**Miss. Dhandre Pooja Lahanu**

**Under the guidance of  
Prof. Munje R.R.**

**At**



**Sanjivani Arts Commerce And Science College,  
Post-graduate department of zoology  
Kopargaon -423 603  
2022-2023**



Sanjivani Rural Education Societies

**Sanjivani Arts Commerce and Science  
College,**

**Kopargaon-423 601**

NACC Accredited B+

**Certificate**

This is to certify that the project entitled "**Comparative study of physico-chemical properties and glucose estimation of honey from different flora**" being submitted by **Mr.Dhandre Pooja Lahanu** for the award of **M.Sc. zoology (entomology)**, university of pune, was carried out under the guidance and supervision of **Prof. Munje R.R.** during academic year 2022-23.

*Prj*  
17/05/2023  
Project Guide

*Prj*  
19/05/2023  
Examiner

*Prj*  
17/05/2023  
Head of Dept.



Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopargaon

**“Analysis of Water Quality of Samples Collected from Kopargaon  
Region , Maharashtra, India”**

**A Dissertation submitted to**

**University of pune**



**As a partial fulfillment for the degree of  
Master in science, zoology (Entomology)**

**By**

**Ms . Pagare Bhawana Rajendra**

**Under the guidance of**

**Mrs. Munje Rupali Rajendra**

**At**



**Sanjivani Arts Commerce And Science College, Kopargaon**

**Post-Graduate Department Of Zoology**

**Kopargaon -423 603**

**2022-2023**





Sanjivani Rural Education Societies

**Sanjivani arts commerce and Science College,**

**Kopargaon-423 601**


NACC Accredited B+

# Certificate

This is to certify that the project entitled 'ANLYSIS OF WATER QUALITY OF SAMPLES COLLECTED FROM KOPERGAON,MH,INDIA'' being submitted by Miss. **Pagare Bhawana Rajendra** for the award of **M.Sc. zoology (entomology)**, university of pune, was carried out under the guidance and supervision of m ys. **Munje Rupali Rjendra** during academic year 2022-23.

  
17/05/2023  
Project Guide

  
17/05/2023  
Examiner

  
17/05/2023  
Head of Dept



**Head**  
**Department of Zoology**  
Sanjivani Arts, Commerce &  
Science College, Kopargaon



**“DETERMINATION OF VITAMIN A CONTENT FROM  
DIFFERENT METHODS”**

A Dissertation Submitted to Savitribai Phule

Pune University, Pune



**As a partial fulfillment for the degree of  
Master in Science, Zoology (Entomology)**

By

**Miss. Thombare Aishwarya Madhav**

Research Student

Under The Guidance Of

**Prof. Naikwadi Harshada G**

Of Department of Zoology



**Sanjivani Arts Commerce and Science College,**

**Post-graduate Department of Zoology**

**Kopergaon -423 603**

**2022-2023**

Sanjivani rural education societies  
**Sanjivani arts commerce and Science  
College,  
Kopargaon-423 601**



NACC Accredited B+

## Certificate

This is to certify that the project entitled **Determination Of Vitamin A Content From Different Method** being submitted by, Miss. Aishwarya Madhav Thombare for the award of **M.Sc. zoology (entomology)**, University of Pune, was carried out under the guidance and supervision of **Miss. NAIKWADI HARSHDA .G** Academic year 2022-23

  
Project Guide

  
Examiner

  
17/05/2023  
Head of Dept.



Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopargaon

**“APPLICATION OF EARTHWORM AND DIFFERENT  
BIOCOMPOST FOR SOIL FERTILITY”**

**A Dissertation submitted to**

**Savitribai Phule Pune University, Pune**



**As a partial fulfillment for the degree of  
Master in science, zoology (Entomology)**

**By**

**Miss. Gare Urmila Nivrutti**

**Under the guidance of**

**Dr. Shinde Muktabai Babasaheb**

**At**



**Sanjivani arts commerce and Science College,**

**Post-Graduate Department Of Zoology**

**Kopargaon -423 603**

**Year 2022-2023**



Sanjivani Rural Education Societies

**Sanjivani Arts Commerce and Science  
College,**

**Kopargaoon-423 601**

NACC Accredited B+

**Certificate**

This is to certify that the project entitled "APPLICATION OF EARTHWORM AND DIFFERENT BIOCOMPOST FOR SOIL FERTILITY" being submitted by Miss. Gare Urmila Nivrutti for the award of M.Sc. Zoology (Entomology), university of Pune, was carried out under the guidance and supervision of Dr. Shinde Mukta Babasaheb during academic year 2022-23.

Project Guide

Examiner

Head of Dept.



Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopargaoon

**“EFFECT OF CHLORANTRANILIPROLE 18.5% W/W PESTICIDE  
ON THE CARBOHYDRATE CONTENT OF FRESHWATER FISH  
*OREOCHROMIS AUREUS* (TILAPIA)”**

**A Dissertation submitted to**

**University of Pune**



**As a partial fulfillment for the degree of  
Master in science, zoology (Entomology)**

**By**

**Miss. Gite Shubhangi Bhagwat**

**Under the guidance of**

**Mrs. Rupali Rajendra Munje**

**And**

**Co-guidance Dr. Shinde M.B**

**At**



**Sanjivani Arts Commerce and Science College,**

**Post-graduate department of zoology**

**Kopergaon -423 603**

**2022-2023**





Sanjivani rural education societies

**Sanjivani Arts Commerce and Science College,**

**Kopargaon-423 603**

NACC Accredited B+

## **Certificate**

This is to certify that the project entitled "**Effect of chlorantraniliprole 18% W/W pesticide on the carbohydrate content of freshwater fish *Oreochromis aureus* (Tilapia)**" being submitted by **Miss. Gite Shubhangi Bhagwat** for the award of M.Sc. Zoology (Entomology), university of Pune, was carried out under the guidance and supervision of **Mrs. Munje Rupali** during academic year 2022-23.

  
17/05/2023  
Project Guide

  
17/05/23  
Examiner

  
17/05/2023  
Head of Dept.



**Head**  
**Department of Zoology**  
**Sanjivani Arts, Commerce &**  
**Science College, Kopargaon**

**“To Study the Control of Mealybug On Vegetables By Using Herbal Biopesticide”**

**A Dissertation submitted to  
Savitribai Phule Pune University, Pune**



**As a partial fulfillment for the degree of  
Master in Science, Zoology (Entomology)**

**By**

**Miss. Vaishnavi Sharad Tanpure**

**Under the guidance of**

**Prof. Rupali Rajendra Munje**

**Co-Guide – Prof. S.B. Girme**

**At**



**Sanjivani arts commerce and Science College,**

**Post-graduate department of Zoology**

**Kopargaon -423 603**

**Year 2022-2023**



Sanjivani Rural Education Societies

**Sanjivani arts commerce and Science  
College,**

**Kopargaon-423 603**

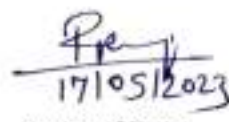
NACC Accredited B+

## Certificate

This is to certify that the project entitled "To Study the Control of Mealybug On Vegetables By Using Herbal Biopesticide" being submitted by Miss. Vaishnavi Sharad Tanpure for the award of M.Sc. Zoology (Entomology), university of pune, was carried out under the guidance and supervision of Mrs. Rupali Rajendra Munje during academic year 2022-23.

  
17/05/2023  
Project Guide

  
17/05/2023  
Examiner

  
17/05/2023  
Head of Dept.



Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopargaon

**“APPLICATION OF DIFFERENT INOCULUM ON ONION SEED  
GERMINATION AND YIELD OF ONION CROP”**

**A Dissertation submitted to  
University of pune**



**As a partial fulfillment for the degree of  
Master in science, zoology (Entomology)**

**By**

**Miss. Gursal Shweta Rajesh**

**Under the guidance of**

**Dr. Shinde Muktabai Babasaheb**

**At**



**Sanjivani arts commerce and Science College,**

**Post-graduate department of zoology**

**Kopergaon -423 603**

**2022-2023**



Sanjivani Rural Education Societies

**Sanjivani Arts Commerce and Science College,**

**Kopergaon-423 603**

NACC Accredited B+

# Certificate

This is to certify that the project entitled "APPLICATION OF DIFFERENT INOCULUM ON SEED GERMINATION AND YIELD OF ONION CROP." being submitted by. **Miss. Gursal Shweta Rajesh** for the award of **M.Sc. Zoology (Entomology)**, university of pune, was carried out under the guidance and supervision of **Dr. Shinde muktabai Babasaheb** during academic year 2022-23.

Project Guide

Examiner

Head of Dept.



Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopergaon



Sanjivani rural education societies

Sanjivani arts commerce and Science College,

Kopergaon-423 601

NACC Accredited B+

# Certificate

This is to certify that the project entitled **To study The Anemia.Its  
Types Symptoms And  
Dignostic**


being submitted by

**Mr.Sharvil Dattakumar Utwale**

for the award of **MSc Zoology**, university of pune, was carried out under  
the guidance and supervision of,

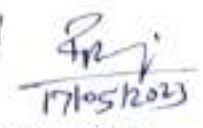
**Mr.Swapnil Girme**

during academic year **2022-23**.

  
Project Guide



  
Examiner

  
Head of Dept.

Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopergaon

**“To study of Total Protein and Carbohydrates in Two  
Freshwater Gastropods *Melanoides tuberculata* and *Bellamya  
bengalensis*”**

**A Dissertation submitted to  
University of pune**



**As a partial fulfillment for the degree of  
MSc, Zoology (Entomology)**

**By**

**Mr. Kadam Amol Balasaheb**

**Under the guidance of**

**Miss. Channe Yogita**

**At**



**Sanjivani Arts Commerce And Science College,**

**Department Of Zoology**

**Kopargaon -423 603**

**2022-2023**

Sanjivani Rural Education Societies

**Sanjivani Arts Commerce And Science  
College,**

**Kopergaon-423 601**

NACC Accredited B+

# Certificate

This is to certify that the project entitled **To study of Total Protein and Carbohydrates in Two Freshwater Gastropods *Melanoides tuberculata* and *Bellamya bengalensis*** being submitted by Mr. **Kadam Amol Balasaheb** for the award of **MSc Zoology**, university of pune, was carried out under the guidance and supervision of, miss . **Channe Yogita** during academic year **2022-23**.

Project Guide

  
17/05/2023  
Examiner

  
17/05/2023  
Head of Dept.

**Head**  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopergaon



# EXTRACTION OF LEMONGRASS ESSENTIAL OIL FOR THE DETERMINATION OF VARIOUS PHYTOCHEMICALS

A Dissertation submitted to

University of pune



As a partial fulfillment for the degree of  
Master in science, zoology (Entomology)

By

Ms. Pawar Mansi Bharat

Under the guidance of

Miss. Naikwadi H.G.

Co-Guide – Dr. Shinde M.B.

At



Sanjivani arts commerce and Science College,

Post-graduate department of zoology

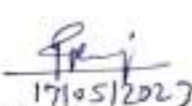
Kopargaon -423 601

  
Project Guide



  
Examiner

1

  
17/05/2023  
Head of dept.

Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopargaon



Sanjivani rural education societies

**Sanjivani arts commerce and Science College,**

**Kopergaon-423 601**

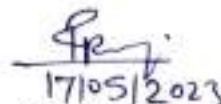
NACC Accredited B+

# Certificate

This is to certify that the project entitled '**Extraction of lemongrass essential oil for the determination of various phytochemicals**' being submitted by **Ms.Pawar Mansi Bharat** for the award of **M.Sc. zoology (entomology)**, university of pune, was carried out under the guidance and supervision of miss.**H.G.Naikwadi** during academic year 2022-23.

  
Project Guide

  
Examiner

  
17/05/2023  
Head of Dept.



**“Study of Seed Germination Capacity in Chili Seed by Using  
Treatment of Different Inoculum”**

**A Dissertation submitted to  
Savitribai Phule Pune University, Pune**



**As a partial fulfillment for the degree of  
Master in Science, Zoology (Entomology)**

**By  
Mr. Gaikwad Pratik Sanjay**

**Under the guidance of  
Dr. Shinde Muktabai Babasaheb**

**At**



**Sanjivani arts commerce and Science College,  
Post-graduate department of zoology**

**Kopargaon -423 603**

**Year 2022-2023**



Sanjivani Rural Education Societies

**Sanjivani Arts Commerce and Science  
College,**

**Kopargaon-423 601**

NACC Accredited B+

# Certificate

This is to certify that the project entitled "Study of Seed Germination Capacity in Chili Seed by Using Treatment of Different Inoculum" being submitted by **Mr. Gaikwad Pratik Sanjay** for the award of **M.Sc. Zoology (Entomology)**, university of pune, was carried out under the guidance and supervision of **Dr. Shinde Muktabai Babasaheb** during academic year 2022-23.

Project Guide

Examiner

Head of Dept.



Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopargaon

“Analysis of Manure Collected From Different Animals”

A Dissertation submitted to

University of Pune



As a partial fulfillment for the degree of  
Bachelor in science (zoology)

By

**Mr. Saurabh Madhukar Ghumare**

Under the guidance of

Dr.Channe.Y.R

At



**Sanjivani Arts Commerce and Science College, Kopergaon-423601**

Graduate department of zoology,

**"MICROANATOMICAL OBSERVATIONS OF HAIR IN HUMAN AND DOMASTIC ANIMALS"**

A Dissertation Submitted to  
University of Pune



As a Partial Fulfillment for the Degree of  
Bachelor In Science (Zoology )

By

Miss. Ridima Anil Janrao

Under The Guidance of

Dr. Channe Y.R

At



Sanjivani Arts Commerce and Science College,

Graduate Department of Zoology


Kopargaon - 423 603

**Certificate:-**

This is to certify that the project entitled "**MICROANATOMICAL OBSERVATIONS OF HAIR IN HUMAN AND DOMASTIC ANIMALS**" being submitted by. Miss. **Ridima Anil Janrao** for the award of **T.y.b.sc . Zoology** , University of Pune , was carried out under the guidance and supervision of **Dr. Channe Y.R** during academic year 2022-23.

  
Project Guide

  
Examiner

  
13/05/23  
Mrs Rupali R. Munje  
Head of Dept.

**Head**  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopergaon





# “PHYSICO-CHEMICAL PARAMETERS OF GODAVARI RIVER”

A Dissertation Submitted to  
University of Pune



As a Partial Fulfilment for the Degree of  
Bachelor In Science (Zoology)

By

Miss. Ankita Sudhakar Jagtap

Under The Guidance of

Dr.Channe Y.R

At



Sanjivani Arts Commerce and Science College,

Graduate Department of Zoology


Kopargaon -423 603

Certificate:-

This is to certify that the project entitled '**PHYSICO-CHEMICAL PARAMETERS OF GODAVARI RIVER**' being submitted by, Miss.**Ankita Sudhakar Jagtap** for the award of **T.y.b.sc Zoology** , University of Pune , was carried out under the guidance and supervision of **Dr.Channe Y.R** during academic year 2022-23.

  
Project Guide

  
13/05/23  
Examiner

  
13/05/23  
Mrs. Rupali K. Munje  
Head of Dept.  
**Head**  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopergaon



# **"TO STUDY OF DIVERSITY OF BUTTERFLYS"**

A Dissertation Submitted to

University of Pune



As a Partial Fulfillment for the Degree of  
Bachelor In Science (Zoology )

By

Mr. Akshay Vitthal Badne

Under The Guidance of

Dr. Channe Y.R

At




Sanjivani Arts Commerce and Science College,

Graduate Department of Zoology

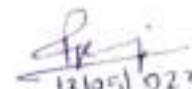
Kopargaon - 423 603

Certificate:-

This is to certify that the project entitled '**TO STUDY OF DIVERSITY OF BUTTERFLYS**' being submitted by **MR. Akshay Vitthal Badne** for the award of T.y.b.sc . Zoology , University of Pune , was carried out under the guidance and supervision of **Dr. Channe Y.R** during academic year 2022-23.

  
Project Guide

  
Examiner

  
13/05/23  
Mrs. Rupali R. Munje  
Head of Dept.  
Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopergaon



**“Study of Gastro Intestinal Parasites of Cockroach *Periplanata americana*”**

**A Dissertation submitted to  
University of pune**



**As a partial fulfillment for the degree of  
Bachelor of Science, Zoology**

**By**

**Miss. Satpute Harshada Rajendra**

**Under the guidance of**

**Dr. Channe Yogita R.**

**At**



**Sanjivani arts commerce and Science College,**

**Graduate Department of zoology**

**Kopargaon -423 601**



## Certificate

This is to certify that the project entitled '**Study of Gastrointestinal Parasites of Cockroach *Periplanata americana***'

being submitted by

**Miss. Satpute Harshada Rajendra**

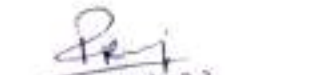
for the award of T.Y.BSc. Zoology, university of Pune, was carried out under the guidance and supervision of,

**Dr. Channe Yogita**

during academic year 2022-23.

  
Project Guide

  
Examiner

  
13/10/23  
Mrs. Rupali R. Munje  
Head of Dept.

**Head**  
**Department of Zoology**  
**Sanjivani Arts, Commerce &**  
**Science College, Kopergaon**



**TO STUDY OF DIVERSITY OF BIRDS**  
**A Dissertation submitted to**  
**University of pune**



**As a partial fulfillment for the degree of**  
**Bachelor in science, (zoology)**

**By**

**Miss. Shravani Balasaheb Sagalgile**

**Under the guidance of**

**Miss. Dr.Channe Y.R.**

**At**



**Sanjivani arts commerce and Science College,**  
**Graduate department of zoology**  
**Kopargaon -423 601**

# Certificate

This is to certify that the project entitled **'TO STUDY OF DIVERSITY OF BIRDS'** being submitted by Miss. **Sagalgile Shravani Balasaheb** for the award of **B.Sc. (zoology)**, university of pune, was carried out under the guidance and supervision of Miss. **Channe.Y.R.** During academic year 2022-23.



*Channe Y.R.*  
Project Guide

*Rupali R. Munje*  
Examiner

*Rupali R. Munje*  
13/05/23  
Mrs. Rupali R. Munje  
Head of Dept.

Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopergaon

**"TO PERFORM PREFORMULATION OF PARACITAMOL DRUG"**

A Dissertation Submitted to  
University of Pune



As a Partial Fulfillment for the Degree of  
Bachelor In Science (Zoology )

By

Miss. Divya Chandarkant Kote

Under The Guidance of

Dr. Channe Y.R

At



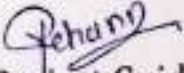
Sanjivani Arts Commerce and Science College,

Graduate Department of Zoology

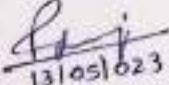
Kopargaon - 423 603

Certificate:-

This is to certify that the project entitled "TO PERFORM  
PREFORMATION OF PARACITAMOL DRUG" being submitted  
by. Miss . KOTE DIVYA CHANDRAKANT for the award of  
T.y.b.sc . Zoology , University of Pune , was carried out under the  
guidance and supervision of Dr. Channe Y.R during academic year  
2022-23.

  
Project Guide

  
13/07/23  
Examiner

  
13/05/23  
Rupali Munje  
Head of Dept.  
Head  
Department of Zoology  
Sanjivani Arts, Commerce &  
Science College, Kopergaon





**"TO PERFORM PREFORMULATION OF PARACETAMOL DRUG"**

A Dissertation Submitted to  
University of Pune



As a Partial Fulfillment for the Degree of  
Bachelor In Science (Zoology )

By

Miss. Divya Chandarkant Kote

Under The Guidance of

Dr. Channe Y.R

At



Sanjivani Arts Commerce and Science College,

Graduate Department of Zoology

Kopergaon - 423 603