



VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS ART'S, COMMERCE & SCIENCE COLLEGE,
SAMUDRAPUR DIST. WARDHA 442305 (M.S.)

(Affiliated To RTM Nagpur University, Nagpur)

Email: vidya_vikascoll@rediffmail.com Website : www.vidyavikascollege.com

Dr. K. G. Rewatkar Principal
(NAAC Accredited B++ 2022)


Ph. & Fax No. 07151 225560, 9822426769 (Estd.1989).

Criterion-I

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

Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship	Course code	Year of offering	Name of the student studied course on experiential learning through project work/field work/internship
Master of Science	M.Sc	Chemistry	NA	2022-23	Students Enrolled in M.Sc- Semester IV
Master of Science	M.Sc	Botany	NA	2022-23	Students Enrolled in M.Sc- Semester IV
Master of Science	M. Sc.	Zoology	NA	2022-23	Students Enrolled in M. Sc. Semester IV
Master of Science	M. Sc.	Physics	NA	2022-23	Students Enrolled in M. Sc. Semester IV




Principal
Vidya Vikas Art's Commerce & Science College,
Samudrapur, Dist. Wardha 442305



VIDYA VIKAS ART'S, COMMERCE & SCIENCES COLLEGE,
SAMUDRAPUR Dist. Wardha 442305 (MS)
DEPARTMENT OF PHYSICS
PROJECT LIST AND ALLOTTED STUDENT
M.Sc. Semester-IV Physics

Sr no	Name of student	Name Guide	Name of topic
1	Harshada Dambhare	Dr. Vaishali D.Maske	Study of characteristic of Glycine doped KDP crystal a nonlinear optical material
2	Ankita Babulkar		Study of X-ray diffraction, UV Spectroscopy and different properties. (review paper)
3	Ashish Potdukhe		Different technique in crystal growth (review paper)
4	Swati Meharkure		Effect of Alanine dopant on growth and characterization of Nonlinear optical material .
5	Tejas Mandavgade		Study of nonlinear optical material and its synthesis and characterization (review paper)
6	Pradnya Zalwade	Dr .Nitesh Shambharkar	Synthesis and application of NiO ₂
7	Pragati Awari		Synthesis and application of zink oxide
8	Manjusha Belurkar		Synthesis and application of copper oxide
9	Manthan Pawar		Comparative study of zink oxide and copper oxide
10	Nikita Wandhare		Synthesis and application of MnO ₂
11	Nishant Bhende	Mr. Sadanand R. Sarve	Medical application of spinel Cobalt ferrite.
12	Pranali Patil		Synthesis of zinc doped cobalt ferrite Zn _{0.6} Co _{0.4} Fe ₂ O ₄ .
13	Pranali Warghane		Synthesis of zinc doped cobalt ferrite Zn _{0.4} Co _{0.6} Fe ₂ O ₄ .
14	Pranjali Hiware	Dr. K.G Rewatkar	Super ferromagnetic ferrites
15	Sonu Dukre		Photocatalitic activities in ferrites
16	Priyanka Lokhande		Microwave absorption in ferrites (review work)
17	Priyanka Shinde		Super paramagnetic ferrites
18	Prachi Khatdeo	Ms. Smita V.Dhuppe	Synthesis and characterization Mno. ₂ Zn _{0.8} Fe ₂ O ₄ by Sol gel method
19	Prachi Warbhe		Synthesis by sol gel method MNO. ₄ ZNO. ₆ Fe ₂ O ₄ by sol gel method
20	Ranjit Bhagat		To study application of single crystal by various technique (review work)
21	Sanket Sathe		Synthesis and characterization of KDP Crystal by slow evaporation method (review work)
22	Sharayu Thakare		Application of Zn doped spinel ferrite in microwave application (review work)

Principal
Vidya Vikas Arts, Commerce
& Science College, Samudrapur
Dist. Wardha - 442 305

**“STUDY OF CHARACTERISTIC OF ALANINE DOPED AMMONIUM
DIHYDROGEN PHOSPHATE (ADP) & POTASSIUM DIHYDROGEN
PHOSPHATE (KDP) MIXED CRYSTAL A NONLINEAR OPTICAL
MATERIAL”**

Project

MASTER OF SCIENCE (PHYSICS)

To

Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur

By

Harshada Gajanan Dambhare

M.Sc. Final (Physics)

Under the guidance of

Dr. Vaishali D. Maske

M.Sc., B.Ed., Ph.D.

Vidya Vikas Art's, Commerce & Science College, Samudrapur



DEPARTMENT OF PHYSICS

Vidya Vikas Art's, Commerce & Science College, Samudrapur

2022-2023



**VIDYA VIKAS ART'S, COMMERCE & SCIENCE COLLEGE,
SAMUDRAPUR**

CERTIFICATE

This is to certify that **Miss. Harshada Gajanan Dambhare** has finished all her research work in Department of Physics. She has completed all the formalities of our research centre. Her Project is hereby forwarded to RTM Nagpur University, Nagpur for the award of **POST GRADUATE DEGREE IN PHYSICS.**

Date:- 19/06/2023

Dr. K.G. Rewatkar

Principal

Place:-Samudrapur

Vidya Vikas Art's, Commerce & Science College,
Samudrapur

VIDYA VIKAS ARTS, COMMERCE AND SCIENCE COLLEGE
SAMUDRAPUR, WARDHA



A

PROJECT ON TOPIC

" Synthesis and Application of Zinc Oxide"

Samudrapur, district Wardha,
Maharashtra, India

Project submitted to the
RashtrasantTukadoji Maharaj Nagpur university, Nagpur
For the partial fulfillment degree of the requirement degree of

MASTER OF SCIENCE

In the faculty of science
(PHYSICS)

By

Miss. Pragati Gajanan Awari
M.sc Physics (Sem-IV Student)

Under the guidance of
Nitesh D. Shambharkar
M. Sc, PHD

POST GRADUATE DEPARTMENT OF PHYSICS


2022-2023

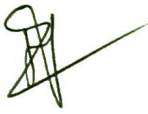
Certificate

This is to certify that **Miss. Pragati Gajanan Awarihas** finished all her research work in Department of Physics. She has completed all the formalities of our research Centre. Her Project is hereby forwarded to RTM Nagpur University, Nagpur for the award of **Post Graduate Degree in Physics**.

Date:

Place: Samudrapur


Dr. K. G. Rewatkar
Principal
Vidya Vikas Arts,
Commerce & Science
College, Samudrapur


Mrs. Aradhana

VIDYA VIKAS ARTS, COMMERCE AND SCIENCE COLLEGE

SAMUDRAPUR, WARDHA



A

PROJECT ON TOPIC

Synthesis and Application of MnO₂

Samudrapur, district Wardha,

Maharashtra, India

Project submitted to the

Rashtrasant Tukadoji Maharaj Nagpur university, Nagpur

For the partial fulfilment degree of the requirement degree of

MASTER OF SCIENCE

In the faculty of science

(PHYSICS)

By

Miss. Nikita Ashok Wandhare

M.sc Physics (Sem-IV Student)

Under the guidance of

Dr. S.V. Kuhikar

POST GRADUATE DEPARTMENT OF PHYSICS

Certificate

This is to certify that Miss. Nikita Ashok Wandhare has finished all her research work in Department of Physics. She has completed all the formalities of our research Centre. Her Project is hereby forwarded to RTM Nagpur University, Nagpur for the award of **Post Graduate Degree in Physics**.

Date:

Place: Samudrapur



Dr. K. G. Rewarkar

Principal

Vidya Vikas Arts,

Commerce & Science

College, Samudrapur



Ms. Anshu

**" STUDY OF CHARACTERISTIC OF HISTIDINE DOPED
POTASSIUM DIHYDROGEN PHOSPHATE (KDP) MIXED CRYSTAL
A NONLINEAR OPTICAL MATERIAL"**

Project

MASTER OF SCIENCE (PHYSICS)

To

Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur

By

Swati Kisnaji Meharkure

M.Sc. Final (physics)

Under the guidance of

Dr. Vaishali D. Maske

M.Sc., B.Ed., Ph.D.

Vidya Vikas Art's, Commerce And Science College, Samudrapur



DEPARTMENT OF PHYSICS

Vidya Vikas Art's, Commerce And Science College , Samudrapur

2022-2023

Certificate

This is to certify that **Miss. Swati K. Meharkure** has finished all her research work in Department of Physics. She has completed all the formalities of our research Centre. Her Project is hereby forwarded to RTM Nagpur University, Nagpur for the award of **Post Graduate Degree in Physics.**

Date:

Place: Samudrapur




Dr. K. G. Rewatkar

Principal

Vidya Vikas Arts,

Commerce & Science

College, Samudrapur



V. V. Chaudhari

**VIDYA VIKAS ARTS, COMMERCE AND SCIENCE COLLEGE
SAMUDRAPUR, WARDHA**



A

PROJECT ON TOPIC

" Synthesis and Application of Zinc Oxide"

Samudrapur, district Wardha,
Maharashtra, India

Project submitted to the
RashtrasantTukadoji Maharaj Nagpur university, Nagpur
For the partial fulfillment degree of the requirement degree of

MASTER OF SCIENCE

In the faculty of science
(PHYSICS)

By

Miss. Pragati Gajanan Awari
M.sc Physics (Sem-IV Student)

Under the guidance of
Nitesh D. Shambharkar
M. Sc, PHD

POST GRADUATE DEPARTMENT OF PHYSICS

2022-2023

Certificate

This is to certify that **Miss. Pragati Gajanan Awari** has finished all her research work in Department of Physics. She has completed all the formalities of our research Centre. Her Project is hereby forwarded to RTM Nagpur University, Nagpur for the award of **Post Graduate Degree in Physics**.



Dr. K. G. Rewatkar

Principal


Vidya Vikas Arts,

Commerce & Science

College, Samudrapur

Date:

Place: Samudrapur



no credit

VIDYA VIKAS ART'S COMMERCE AND SCIENCE COLLEGE, SAMUDRAPUR
P. G. DEPARTMENT OF CHEMISTRY
M. Sc. CHEMISTRY SEM-IV PROJECT DATA 2022-23

S. N.	NAME OF STUDENT	PROJECT TITLE	NAME OF SUPERVISOR
1	Ajay C. Gabhane	Minireview on assignment of water quality parameters.	Mrs. Shital W. Awaghade
2	Ku. Anjali D. Jadhav	Physico-chemical analysis of groundwater in Hinganghat, District wardha	Dr. Rahul Gajbhiye
3	Ku. Arya V. Domale	Iodinattion of Quinoline.	Dr. M. N. Narule
4	Gopal D. Ugale	Bromination reaction.	Dr. M. N. Narule
5	Ku. Kalyani S. Dhokpande	Study of photoluminescence of La ₂ O ₃ phosphorous dopped with dysprosium.	Mrs. Shital W. Awaghade
6	Ku. Mayuri A. Naukarkar	Synthesis of La ₂ O ₃ phosphorous dopped with Serium.	Mrs. Shital W. Awaghade
7	Milind D. Narse	Determiation of electric conductivity, pH and pecentage of organic matter of soil sample from different region of Hinganghat taluka.	Mrs. Shital W. Awaghade
8	Ku. Nikita D. Pawade	Physico-chemical parameters of milk analysis in Hinganghat, Dist-Wardha.	Dr. Rahul Gajbhiye
9	Ku. Nita S. Marghade	Application of UV-Visible spectroscopy-multicomponent analytsis.	Dr. Rahul Gajbhiye
10	Ku. Payal A. Thakur	Organocatalys of L-Proline.	Dr. M. N. Narule
11	Ku. Pranali S. Shindekar	Photoluminescence study of carbondots from Ginger.	Mrs. Shital W. Awaghade
12	Ku. Punam H. Kalwade	Photoluminescence study of carbondots from Watermelon peel.	Mrs. Shital W. Awaghade
13	Ku. Rani P. Atel	Synthesis , characterization and pharmacological activities of new Furan.	Dr. Rahul Gajbhiye

14	Ku. Rekha N. Mahakalkar	Minireview on recent advance in biopolymers and biopolymer-based nanocomposites for food packaging materials.	Mrs. Shital W. Awaghade
15	Ku. Ruchika C. Zade	Application of 2-acetyl Furan in organic chemistry.	Dr. M. N. Narule
16	Sarang P. Salve	Study of Novel schiff base ligand with respect to its analytical application.	Dr. Rahul Gajbhiye
17	Ku. Shilpa D. Hiwarkar	Knowengel condensation.	Dr. M. N. Narule
18	Ku. Shraddha B. Shukla	Organic catalytic reaction by phenylalanine.	Dr. M. N. Narule
19	Ku. Shraddha R. Bhurle	Different parameter in organic chemistry for the synthesis of Hantzsch reaction.	Dr. M. N. Narule
20	Ku. Shrushti A. Gaikwad	Review article on Reformatsky reaction.	Dr. Rahul Gajbhiye
21	Sumit V. Ughade	Perkins reaction.	Dr. M. N. Narule
22	Ku. Vaishnavi K. Bhopale	Review on the green synthesis, characterization and evaluation of the biological activities of silver nanoparticles synthesized from different Indian spices.	Mrs. Shital W. Awaghade
23	Ku. Vaishnavi R. Gohade	Synthetic method and application of pharmacological activities of new β -D-glucopyranose.	Dr. M. N. Narule
24	Ku. Vijaya N. Giri	Photoluminescence study of Dy doped $\text{Na}_2\text{Sr}(\text{PO}_4)_3\text{F}$ Phosphor.	Mrs. Shital W. Awaghade
25	Vinodkumar T. Bhoyar	Air pollution.	Dr. Rahul Gajbhiye
26	Vishal M. Urade	Synthesis of 2,4-diphenyl-3H-benzo[b][1,4]diazepine from chalcone.	Dr. Rahul Gajbhiye
27	Ku. Vrunda A. Raut	Evaluation of physico-chemical characteristics of soil from different region of Samudrapur, Dist-Wardha.	Dr. Rahul Gajbhiye
28	Ku. Pragati V. Changale	To study different metals in different brands of milk.	Dr. Rahul Gajbhiye

minireview

[Signature]
Principal
Vidya Vikas Arts Comm. &
Science College, Samudrapur



A
Project
ON TOPIC

“ Organo Catalyst of L - Proline ”

Project submitted to the
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
2022 – 23



For the partial fulfillment of the requirement degree of
MASTER OF SCIENCE
In the faculty of science
(CHEMISTRY)

By
Miss. Payal Adalatsingh Thakur
M. Sc. (Sem IVth Student)

Under the guidance of
Dr. M. N. Narule
M. Sc. M. Ed., Ph. D, MBA (HR)

POST GRADUATE DEPARTMENT OF CHEMISTRY
VIDYA VIKAS ARTS, COMMERCE AND SCIENCE COLLEGE
SAMUDRAPUR, WARDHA



CERTIFICATE

This is to certify that the work reported in the M.Sc. Project entitled "**Organo Catalyst of L – Proline**" has been carried out by **Ms. Payal A. Thakur** in department of Chemistry VVACSC, Samudrapur under our supervision and that the material from other sources if any is duly acknowledged and that there is no plagiarism. This work has not been submitted earlier to any University/ Institution for any research degree/ diploma to the best of our knowledge.

Date : 02-05-2023

Place : Samudrapur

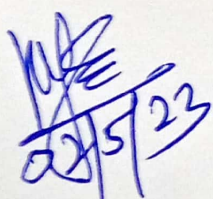


Dr. Meghasham N. Narule

Guide

**Head, Department of Chemistry,
VVACSC, Samudrapur, Wardha**

Dr. M. N. Narule
Head, Dept. of Chemistry
Vidya Vikas Art's, Commerce
& Science College, Samudrapur
Wardha 442305



Principal
Vidya Vikas Arts Comm &
Science College Samudrapur

A

Project

ON TOPIC

" IODINATION OF QUINOLINE"

Project submitted to be

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

2021-23



For the partical fulfillment of the requirement degree of

MASTER OF SCIENCE

In the factly of science

[CHEMISTRY]

By

Miss. Arya Vijendra Domale

M.Sc. Chemistry [Sem 4th Student]

Under the guidance of

Dr. M. N. Narule

M.Sc.,M.Ed.,Ph.D,MBA {HR},Ph.D {Managament}

POST GRADUATE DEPARTMENT OF CHEMISTRY

VIDYA VIKAS ARTS,COMMERCE AND SCIENCE COLLEGE

SAMUDRAPUR, DIST-WARDHA

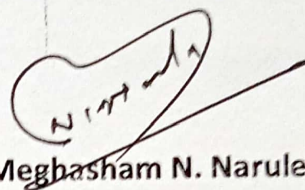


CERTIFICATE

The is to certified that work reported in the M.Sc project " IODINATION OF QUINOLINE" has been carried out by Ms. Arya V. Domale in department of Chemistry VVACSC, Samudrapur under our supervision and that the material from other source if any is acknowledged and that There is no plagiarisim. This work has been submitted earlier to any University / Instiution for any research degree / dipoma to the best of our knowledge.

Date: 6/5/2023

Place: Samudrapur

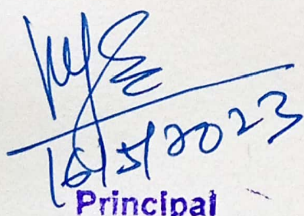


Dr. Meghasham N. Narule

Guide

Head, Department of Chemistry,

VVACSC, Samudrapur, Wardha



Principal

Vidya Vikas Arts Comm &
Science College, Samudrapur

A DISSERTATION REPORT
ON
**MINIREVIEW ON "ASSIGNMENT OF WATER QUALITY PARAMETERS : A
REVIEW"**

SUBMITTED TO



Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur

In the partial fulfillment of the requirement for the degree of

Master of Science in Chemistry

(Faculty of Science)

Submitted by

Ajay C. Gabhane

Under the Supervision of

Mrs. Shital W. Awaghade

Assistant Professor

M.Sc. (NET)



Post Graduate department of Chemistry,

Vidya Vikas Arts, Commerce and Science College, Samudrapur

Dist –Wardha





VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
**VIDYA VIKAS ART'S, COMMERCE & SCIENCE
COLLEGE, SAMUDRAPUR DIST. WARDHA 442305
(M.S.)**

(Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University,
Nagpur)

email: vidya_vikascoll@rediffmail.com website: www.vidyavikascollege.com

Dr. Rewatkar Sir, Principal
(NAAC Accredited B 2015)

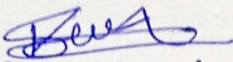
☎07151 225560, 9860179400, 9421539529 (Estd.1989)

"CERTIFICATE"

This is to certify that **Mr. Ajay C. Gabhane** Student of M.Sc. Final (Organic Chemistry) of session 2022-2023, project work entitled "**ASSIGNMENT OF WATER QUALITY PARAMETERS : A REVIEW**" conducted under my supervision. This results presented in this project have not been submitted to any of university for award of any other degree. The candidate herself has collected literature related to the topic project Experimental Work; writing and completion work was carried out by her.

Place- Samudrapur

Date:- 15/05/23

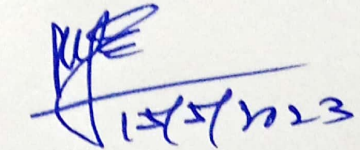

Asst. Prof. S. W. Awaghade

Project Supervisor


Dr. M.N. Narule

Head Dept. of

Chemistry


15/05/23

Dr. Rewatkar Sir

Principal



A DISSERTATION REPORT
ON

“Photo-Luminescence Study of Dy Doped $\text{Na}_2\text{Sr}(\text{PO}_4)_3\text{F}$ Phosphor”

SUBMITTED TO



Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur

In Chemistry

(In the partial fulfillment of the requirement for the degree of

Master of Science Faculty of Science)

Submitted

Vijaya Naresh Giri

Under the Supervision of

Mrs. Shital W. Awaghade

Assistant Professor

M.Sc. (NET)



Post Graduate department of Chemistry, Vidya Vikas Arts, Commerce and
Science College, Samudrapur, Dist –Wardha

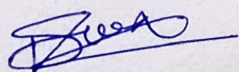


“CERTIFICATE”

This is to certify that **Miss. Vijaya Naresh Giri** Student of M.Sc. Final (Organic Chemistry) of session 2022-2023, project work entitled **“Photo Luminescence Study Of Dy Doped $\text{Na}_2\text{Sr}(\text{PO}_4)_3$ F Phosphor”** conducted under my supervision. This results presented in this project have not been submitted to any of university for award of any other degree. The candidate herself has collected literature related to the topic project Experimental Work; writing and completion work was carried out by her.

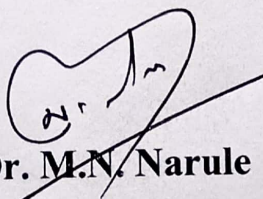
Date: - 06-05-2023

Place:- Samudrapur



Asst. Prof. S. W. Awaghade

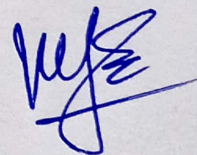
Project Supervisor



Dr. M.N. Narule

Head Dept. of

Chemistry



Dr. K. G. Rewatkar

Principal

A
PROJECT ON TOPIC

"Physico-Chemical parameters of milk analysis in
Hinganghat, district Wardha,
Maharashtra, India"

Project submitted to the
Rashtrasant Tukadoji Maharaj Nagpur university, Nagpur
For the partial fulfillment degree of the requirement degree of
MASTER OF SCIENCE
In the faculty of science
(CHEMISTRY)



By
Miss. Nikhita D. Pawde
M.sc Chemistry (Sem-IV Student)

Under the guidance of
Dr. R. G. Gajbhiye
M. Sc, Ph. D., NET, SET, GATE

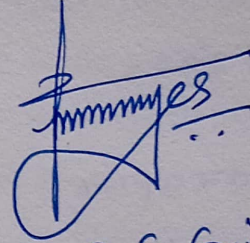
POST GRADUATE DEPARTMENT OF CHEMISTRY
VIDYA VIKAS ARTS, COMMERCE AND SCIENCE COLLEGE
SAMUDRAPUR, WARDHA

CERTIFICATE

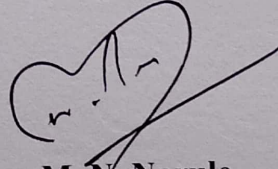
This is to certify that the work reported in M. Sc. project entitled "physoco-chemical parameters of milk analysis" has been carried out by **Ms. Nikhita D. Pawde** in department of chemistry VVACSC, Samudrapur, wardha. Under our supervision and that the material from other sources if any duly acknowledged and that there is no plagiarism. This work has not been submitted earlier to any university/ institution for any research degree/ diploma to the best of our knowledge.

Date: 06/05/2023

Place: Samudrapur



Dr. R. G. Gajbhiye

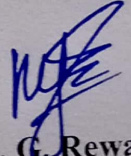


Dr. M. N. Narule

H.O. D

Dr. R. G. Gajbhiye

Guided by



Dr. K. G. Rewatkar

Principal

A PROJECT REPORT

On

**CULTIVATION OF MEDICINAL PLANT THROUGH
ARTIFICIAL LIGHTING - *MORINGA OLEIFERA*, *WITHANIA
SOMNIFERA* AND *OCIMUM SANCTUM***

Submitted in partial fulfilment of the

Degree of Master of Science (Botany)

In the Faculty of Science

By

MISS TANUJA DHANRAJ CHAUDHARI

Under the Supervision of

DR. NAYANA S. SHIRBHATE

Assistant professor,

Department of Botany,

Vidya Vikas Art's, Commerce and Science

College, Samudrapur Dist. Wardha -442305, India



Department of Botany

Vidya Vikas Art's, Commerce and Science

College, Samudrapur Dist. Wardha -442305, India

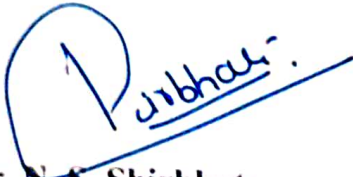
2022-2023

CERTIFICATE

This is to clarify that Miss. **Tanuja Dhanraj Chaudhari** is a student of M.sc Botany (IVth semester) in the Department of Botany, Vidya Vikas Art's, Commerce and Science College, Samudrapur Dist. Wardha affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

The dissertation in the title "**Cultivation of Medicinal Plants through Artificial Lighting**" - *Moringa oleifera*, *Withania somnifera* and *Ocimum sanctum* is submitted to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur in partial fulfilment for the degree of Master of Science in Botany.

Forwarded through:



Dr. N. S. Shirbhate.

Assistant professor and Head,
Department of Botany
Vidya Vikas Arts, Commerce and
Science college Samudrapur.



Dr. K. G. Rewatkar

Principal,
Vidya Vikas Art's,
Comm. & Sci. College, Samudrapur.



A PROJECT REPORT
ON
**“EFFECT OF PLANT DERIVED SMOKE ON
GERMINATION AND GROWTH OF PLANTS”**

Submitted in partial fulfilment of the
DEGREE OF MASTER OF SCIENCE
(BOTANY)

In the Faculty of Science & Technology

By

MISS. HARSHADA GULABRAO RAUT

Under the Supervision of

DR. VIJAY G. MANWATKAR

Assistant Professor,
Department of Botany,
Vidya Vikas Art's, Commerce and Science
College, Samudrapur Dist. Wardha-442305, India



Department of Botany

Vidya Vikas Art's, Commerce and Science
College, Samudrapur Dist. Wardha-442305, India

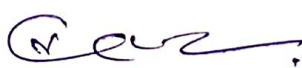
2022-23

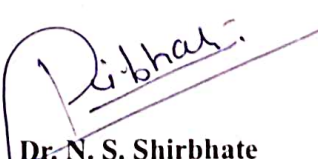
CERTIFICATE


This is to clarify that **Miss. Harshada Gulabrao Raut** is a student of **M. Sc. Botany (Semester-IV)** in the Department of Botany, Vidya Vikas Arts, Commerce and Science College, Samudrapur Dist. Wardha affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

The dissertation in title **“EFFECT OF PLANT DERIVED SMOKE ON GERMINATION AND GROWTH OF PLANTS”** is submitted to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur in partial fulfilment for the degree of Master of Science in Botany.

Forwarded through:


Dr. V. G. Manwatkar
Assistant Professor,
Vidya Vikas Arts,
Comm. & Sci. College
Samudrapur


Dr. N. S. Shirbhate
Head of Department,
Vidya Vikas Arts,
Comm. & Sci. College
Samudrapur


Dr. K. G. Rewatkar
Principal,
Vidya Vikas Arts,
Comm. & Sci. College
Samudrapur


28/6/23

A PROJECT REPORT

On

“ CHLOROPHYLL ESTIMATION OF LEAVES OF *TRITICUM AESTIVUM* OF DIFFERENT LOCATIONS ”

Submitted in partial fulfillment of the

DEGREE OF MASTER OF SCIENCE

(BOTANY)

In the Faculty of Science

By

MISS. MAYURI DASHRATH GURNULE

Under the Supervision of

Dr. V. G. MANWATKAR

Assistant Professor of

Department of Botany,

Vidya Vikas Art's Commerce & Science

College, Samudrapur Dist. Wardha-442305, India



Department of Botany

Vidya Vikas Art's Commerce and Science

College, Samudrapur Dist. Wardha-442305, India

CERTIFICATE

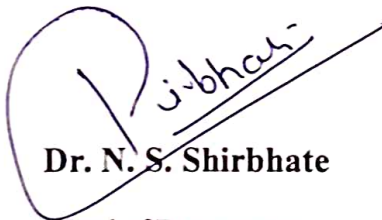
This is to clarify that **Miss . Mayuri Dashrath Gurnule** is a student of **M.Sc. Botany** (Semester -IV) in the Department of Botany, Vidya Vikas Art's, Commerce and Science College, Samudrapur Dist. Wardha affiliated to Rashtrasant Tukdoji Maharaj Nagpur University , Nagpur.

This dissertation in title “ **CHLOROPHYLL ESTIMATION OF TRITICUM AESTIVUM OF LEAVES OF DIFFERENT LOCATION** ” is submitted to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur in partial fulfillment for the degree of Master of Science in Botany.

Forwarded Through:


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Assistant Professor
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Dr. K. G . Rewatkar

Principal,
Vidya Vikas Art's,
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Samudrapur


28/4/23

A PROJECT REPORT
ON
“MORPHOLOGICAL STUDY AND
PROXIMATE ANALYSIS OF SOME
MEMBERS OF MALVACEAE FAMILY”

Submitted in partial fulfilment of the

Degree of Master of Science

(Botany)

In the Faculty of Science

By

MISS. AMISHA DILIP YEWALE

Under the Supervision of

DR. SWATI D. YEOTKAR

Assistant professor,

Department of Botany,

Vidya Vikas Arts, Commerce and Science

College, Samudrapur Dist. Wardha-442305, India



Department of Botany

Vidya Vikas Art's, Commence and Science

College, Samudrapur Dist. Wardha-442305, India

2022-23

CERTIFICATE

This is to clarify that **Miss. Amisha Dilip Yewale** is a student of **M. Sc. Botany (Semeyer-IV)** in the Department of Botany, Vidya Vikas Art's Commerce and Science College, Samudrapur Dist. Wardha affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. fulfilment

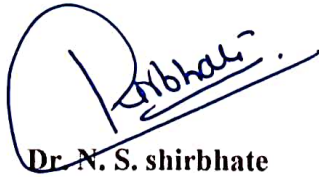
The dissertation in title "**MORPHOLOGICAL STUDY AND PROXIMATE ANALYSIS OF SOME MEMBER OF MALVACEAE FAMILY**" is submitted to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur in partial fulfilment of the degree of Master of Science in botany.

Forwarded through:



Dr. S. D. Yeotkar

Assistant Professor,
Vidya Vikas Art's,
Comm. & Sci. College
Samudrapur



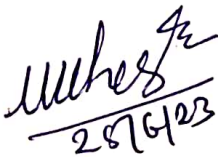
Dr. N. S. Shirbhate

Head of Department,
Vidya Vikas Art's,
Comm. & Sci. College
Samudrapur



Dr. K. G. Rewatkar

Principal,
Vidya Vikas Art's,
Comm. & Sci. College
Samudrapur



28/6/23

A PROJECT REPORT

On

EFFECT OF PATHOGEN STRESS ON SPINACH
(Spinacia oleracea)

Submitted In Partial Fulfillment of The
DEGREE OF MASTER OF SCIENCE (BOTANY)
In The Faculty of Science

By

MISS. PRATIKSHA PRAKASHRAO KAWALE

Under the supervision of

DR. SWATI D. YEOTKAR

Assistant professor,
Department of Botany,
Vidya Vikas Art's, Commerce and Science
College, Samudrapur Dist. Wardha -442305, India



Department of Botany
Vidya Vikas Art's, Commerce and Science
College, Samudrapur Dist. Wardha-442305, India

2022-2023

DECLARATION

The author, hereby, declares that the piece of work presented in this project has been carried out by me and that it has not been submitted to any other University or Institution for the award of a Degree, a Diploma or a Certificate.

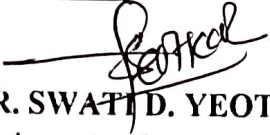
Place: Samudrapur

Pp.Kawale.
(Miss. Pratiksha Prakashrao Kawale)

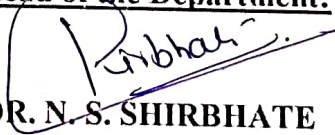
Date: 27-06-2023

CERTIFIED

Supervisor:


DR. SWATI D. YEOTKAR
Assistant Professor
Department of Botany,
Vidya Vikas Art's, Commerce
& Science College, Samudrapur
Dist. Wardha-442305, India.

Head of the Department:



DR. N. S. SHIRBHATE
Assistance Professor and Head
Department of Botany,
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& Science College, Samudrapur
Dist. Wardha-442305, India

**VIDYA VIKAS ARTS, COMMERCE AND SCIENCE COLLEGE,
SAMUDRAPUR DIST. WARDHA
DEPARTMENT OF BOTANY
M. Sc. SEMESTER-IV
SESSION: - 2022-23
PROJECT TOPICS**

NAME OF SUPERVISOR: DR. NAYANA S. SHIRBHATE

Sr. No.	Name of Student	Title of Project
1	DIPALI S. SUPARE	To study cultivation of organic farming of rare vegetable plants
2	KOMAL GALANDE	Ethnobotanical survey of selected crop plant species: A review of Samudrapur region
3	KHUSBU K. UMARE	Cultivation of Ornamental Plants in polluted soil
4	SHRADDHA A. NIKHADE	Cultivation of Vegetable Plant through artificial lighting
5	RAKSHA V. KATDEO	Ethnobotanical Study of Plants presents in Samudrapur region
6	RASIKA B. NAKADE	To Study the Biodiesel Plants
7	SHITAL S. GHATURLE	Cultivation of Ornamental Plant through artificial lighting
8	TANUJA D. CHAUDHARI	Cultivation of Medicinal Plant through Artificial lighting " <i>Moringa oleifera</i> , <i>Withania somnifera</i> and <i>Ocimum sanctum</i> "
9	PRASAD S. THUTE	Effect of Pesticides and Fertilizers on vegetable plants


Signature of Supervisor

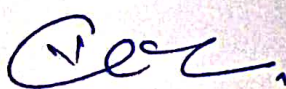

Head of Department
Prof. N. S. Shirnate
Head Dept. of Botany
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& Science College Samudrapur
Dist. Wardha 441 114



Principal
Vidya Vikas Arts Comm. &
Science College, Samudrapur


**VIDYA VIKAS ARTS, COMMERCE AND SCIENCE COLLEGE,
SAMUDRAPUR DIST. WARDHA
DEPARTMENT OF BOTANY
M. Sc. SEMESTER-IV
SESSION: - 2022-23
PROJECT TOPICS**

NAME OF SUPERVISOR: DR. VIJAY G. MANWATKAR

Sr. No.	Name of Student	Title of Project
1	HARSHADA G. RAUT	Effect of Plant-derived smoke on Germination and Growth of Plants
2	POOJA N. RAUT	Comparative study of phytochemical analysis of <i>Cicer arietinum</i> L.
3	MUSKAN P. SHEIKH	To study the water stress on the development of some vegetable plant species
4	VAISHNAVI A. DHABEKAR	Ethnobotanical survey of selected medicinal plants species: A review of Samudrapur region
5	MRUNALI V. DHONE	Effect of Ethyl Methyl Sulfonate (EMS) concentration, exposure time and pre-soaked effect on seed germination traits of <i>Gossypium hirsutum</i> and <i>Cajanas cajan</i>
6	GITA R. YENORKAR	Chlorophyll estimation of leaves of <i>Cajanas cajan</i> in different locations
7	VISHAKHA B. LONDHE	To study salt stress on the development of some Leguminous crop plants (<i>Cajanas cajan</i>)
8	MAYURI D. GURNULE	Chlorophyll estimation of leaves of <i>Triticum aestivum</i> in different locations


Signature of Supervisor


Prof. N. S. Shirone
Head of Department
Vidya Vikas Arts, Commerce
& Science College Samudrapur
Dist. Wardha 442202

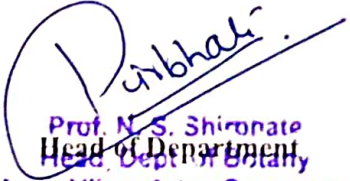

Principal
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**VIDYA VIKAS ARTS, COMMERCE AND SCIENCE COLLEGE,
SAMUDRAPUR DIST. WARDHA
DEPARTMENT OF BOTANY
M. Sc. SEMESTER-IV
SESSION: - 2022-23
PROJECT TOPICS**

NAME OF SUPERVISOR: DR. SWATI D. YEOTKAR

Sr. No.	Name of Student	Title of Project
1	AMISHA D. YEWALE	Morphological Study and Proximate analysis of Some members of Malvaceae family
2	KARISHMA D. KHADSE	To study the effect of Expired paediatric multivitamins on Spinach (<i>Spinacia oleracea</i>)
3	NIKITA M. KAWALE	Effect of Water stress on Spinach growth (<i>Spinacia oleracea</i>)
4	PRATI KSHA P. KAWALE	Effect of Pathogen stress on Spinach (<i>Spinacia oleracea</i>)
5	SAKSHI S. BULLE	Effect of different manure on growth and development of Wheat (<i>Triticum aestivum</i>)
6	SNEHA J. MOHITE	Ethnobotanical study of plants presents in wardha district
7	SHUBHANGI B. BHAGAT	Comparative Biochemical analysis of the member of Asteraceae family in Samudrapur region

Signature of Supervisor


Prof. N. S. Shironote
Head of Department
Vidya Vikas Arts, Commerce
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Dist. Wardha 441104


Principal
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Science College Samudrapur



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(Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur.)

Dr. K. G. Rewatkar, Principal
(NAAC Accredited B++)

email: vidya_vikascoll@rediffmail.com website : www.vidyavikacollege.com
Ph. & Fax No. 07151 225560, 9860179400, 9421539529

(Estd. 1989)

CERTIFICATE

This is to certify that, the project work of M. Sc. IV Semester students under the supervision of **Prof. Dr. M. S. Ambatkar and Dr. Archana M. Bhende**, Department of Zoology, Vidya Vikas Arts, Commerce & Science College, Samudrapur Dist- Wardha. The list of qualified students is shown below and their results are verified by using the Tabulation Report (T. R.) Copy of R. T. M. Nagpur University, Nagpur for the **Session 2022-23**.

Sr. No.	Name of Student	Project topic	Guide
1	Ku. Diksha Narendra Bais	Review on Effects of Drug on lifestyle.	MSA
2	Ku. Diksha Raju Newal	Diversity of soil worms.	MSA
3	Ku. Kalyani Jagdishrao Shelke	Survey of waste material regarding with the vector Diseases.	MSA
4	Ku. Karishma Babarao Mandaokar	Diversity of beetle.	MSA
5	Ku. Pranali Nanaji Dhote	Diversity of birds in nearby region.	MSA
6	Ku. Samiksha GajananBorkute	Diversity of Zooplankton in nearby water ponds of samudrapur taluka.	MSA
7	Ku. Tejashri Shriramji Dhote	Diversity of Butterfly in nearby water ponds of samudrapur taluka.	MSA
8	Ku. Tejaswita Mahadev Sahastrabuddhe	Analysis of nutrition content in soil.	MSA
9	Ku. Vaishnavi Vilasrao Nalhe	Checklist of Moths fauna in nearby region.	MSA
10	Mr. Pranay AnandraoMandaokar	Checklist of poisonous and non-poisonous snakes of nearby regions.	MSA
11	Ku. Achal Madan Vaidya	Statistical analysis of mental stress among the Student.	AMB
12	Ku. Dipali Prabhakar Ghumde	Kitchen waste management by vermicomposting.	AMB
13	Ku. Harshada Shyam Urkudkar	To determine the psychological stress induce alteration in physiology of student at the time of Examination.	AMB
14	Ku. Kiran Rajuji Ghankar	Survey of Addiction related with stress.	AMB
15	Ku. Komal Natthuji Bhusari	Plant waste management by vermicomposting.	AMB
16	Ku. Nikhita Narayan Bhure	To determine the common problems of adolescents girls and their of aware.	AMB
17	Ku. Pranjali Sanjay Kubade	Analysing of cholesterol level in Masters Students.	AMB
18	Ku. Priyanka VinaykaroSatone	Analysis of the phages and risk of fibroadenoma of breast in patients.	AMB
19	Ku. Trupti Dilip Girade	Paper waste management by vermicomposting.	AMB
20	Ku. Vidya Vasanttrao Karare	Analysis of glucose level in blood.	AMB
21	Ku. Vishakha Rajendra Kawale	Analysis of protein level in blood.	AMB
22	Ku. Trupti Kishor Dhole	Physiological Stress in with the help of recognised Survey.	AMB

HOD
Dr. Manohar Ambatkar

Principal

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS ARTS, COMMERCE & SCIENCE COLLEGE,
SAMUDRAPUR DIST. WARDHA 442305 (M.S.)
(Affiliated To RTM Nagpur University, Nagpur)



M.Sc. Project

**Review on Drugs addiction and its impact on
Human Mental and Physical Health**

Submitted by

DIKSHA NARENDRA BAIS

M.Sc. Semester IV

For the award of
Master of Science in Zoology

POST GRADUATE DEPARTMENT OF ZOOLOGY

VIDYA VIKAS COLLEGE, SAMUDRAPUR

(Academic Year 2022 – 2023)

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS COLLEGE, SAMUDRAPUR
POST GRADUATE DEPARTMENT OF ZOOLOGY
(Academic Year 2022 - 2023)



CERTIFICATE

This is to certify that Mr./Ms./Mrs. **Diksha Narendra Bais** has successfully completed the M.Sc. Semester IV Project titled **Review on Drugs addiction and its impact on Human Mental and Physical Health** in the partial fulfillment of the Degree of Master of Science in Zoology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

This project report is the record of authentic work carried out by him/her under my supervision.

Date: 23 June 2023

Place: Samudrapur

verified,

27/6/23

Dr. M. S. Ambatkar

Dr. M. S. Ambatkar
Head, Dept. of Zoology
Vidya Vikas College, Samudrapur
Dist. Wardha 442 102

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS ART'S, COMMERCE & SCIENCE COLLEGE,
SAMUDRAPUR DIST. WARDHA 442305 (M.S.)
(Affiliated To RTM Nagpur University, Nagpur)



M.Sc. Project

A STUDY ON FIBROADENOMA OF THE BREAST

Submitted by

Priyanka Vinayakrao Satone

M.Sc. Semester IV

For the award of
Master of Science in Zoology

POST GRADUATE DEPARTMENT OF ZOOLOGY
VIDYA VIKAS COLLEGE, SAMUDRAPUR
(Academic Year 2022 – 2023)

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS COLLEGE, SAMUDRAPUR
POST GRADUATE DEPARTMENT OF ZOOLOGY
(Academic Year 2022 - 2023)

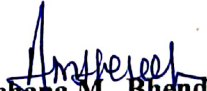


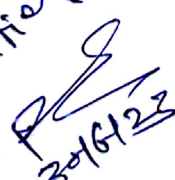
CERTIFICATE

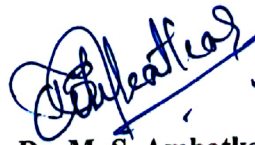
This is to certify that Mr./Ms./Mrs. Priyanka Vinayakrao Satone has successfully completed the M.Sc. Semester IV Project titled A study on fibroadenoma of the breast in the partial fulfillment of the Degree of Master of Science in Zoology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

This project report is the record of authentic work carried out by him/her under my supervision.

Date: 23/06/2023
Place: Samudrapur


Dr. Archana M. Bhende
Assistant Professor
Department of Zoology
Vidya Vikas College, Samudrapur

verified

20/6/23


Dr. M. S. Ambatkar
Head of the Department
Department of Zoology
Vidya Vikas College, Samudrapur
Vidya Vikas Art's, Commerc
Science College, Samudrapur
Dist. Wardha

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VIDYA VIKAS ART'S, COMMERCE & SCIENCE COLLEGE,
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(Affiliated To RTM Nagpur University, Nagpur)



M.Sc. Project

***"The Impact of Weight Gain and Examination-
Induced Psychological Stress on Cholesterol Levels in
Teachers & Students: Prospective Study"***

Submitted by

Pranjali Sanjay Kubade

M.Sc. Semester IV

For the award of

Master of Science in Zoology

**POST GRADUATE DEPARTMENT OF ZOOLOGY
VIDYA VIKAS COLLEGE, SAMUDRAPUR
(Academic Year 2022 – 2023)**

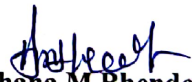
VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS COLLEGE, SAMUDRAPUR
POST GRADUATE DEPARTMENT OF ZOOLOGY
(Academic Year 2022 - 2023)




CERTIFICATE


This is to certify that Ms. Pranjali Sanjay Kubade has successfully completed the M.Sc. Semester IV Project titled "The Impact of Weight Gain and Examination-Induced Psychological Stress on Cholesterol Levels in Teachers & Students: Prospective Study" in the partial fulfillment of the Degree of Master of Science in Zoology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This project report is the record of authentic work carried out by him/her under my supervision.

Date: 26-6-2023.
Place: Samudrapur


Dr. Archana M Bhende
Assistant Professor
Department of Zoology
Vidya Vikas College, Samudrapur


Dr. M. S. Ambatkar
Head of the Department
Department of Zoology
Vidya Vikas College, Samudrapur

Dr. M. S. Ambatkar
Head, Dept. of Zoology
Vidya Vikas Art's, Commerce
Science College, Samudrapur
Dist. Wardha 44230F

Member

30/6/23

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VIDYA VIKAS ART'S, COMMERCE & SCIENCE COLLEGE,
SAMUDRAPUR DIST. WARDHA 442305 (M.S.)
(Affiliated To RTM Nagpur University, Nagpur)



M.Sc. Project

*" Assessment of Snake Diversity and Species Distribution in the
Hinganghat and Samudrapur taluka, District Wardha Maharashtra
"*

Submitted by

Pranay Anandrao Mandawkar

M.Sc. Semester IV

For the award of

Master of Science in Zoology

**POST GRADUATE DEPARTMENT OF ZOOLOGY
VIDYA VIKAS COLLEGE, SAMUDRAPUR
(Academic Year 2022 – 2023)**

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT

VIDYA VIKAS COLLEGE, SAMUDRAPUR

**POST GRADUATE DEPARTMENT OF ZOOLOGY
(Academic Year 2022 – 2023)**



CERTIFICATE

*This is to certify that **Mr. Pranay Anandrao Mandawkar** has successfully completed the M.Sc. Semester IV Project titled "**Assessment of Snake Diversity and Species Distribution in the Hinganghat and Samudrapur taluka, District Wardha Maharashtra**" in the partial fulfillment of the Degree of Master of Science in Zoology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This project report is the record of authentic work carried out by him/her under my supervision.*

Date: 26/6/2023
Place: Samudrapur

Prof. Manohar Ambatkar

Professor

HOD, Department
of Zoology

Vidya Vikas College, Samudrapur

Dr. M. S. Ambatkar
Head, Dept. of Zoology
Vidya Vikas Art's, Commerce
Science College, Samudrapur
Dist. Wardha 442305

certified
P.S.
26/6/23

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS ART'S, COMMERCE & SCIENCE COLLEGE,
SAMUDRAPUR DIST. WARDHA 442305 (M.S.)
(Affiliated To RTM Nagpur University, Nagpur)



M.Sc. Project

**Diversity of Zooplankton in Samudrapur
Tahsil, Dist. wardha, Maharashtra, (India)**

Submitted by

Samiksha Gajanan Borkute

M.Sc. Semester IV

For the award of

Master of Science in Zoology

**POST GRADUATE DEPARTMENT OF
ZOOLOGY VIDYA VIKAS COLLEGE,
SAMUDRAPUR**

(Academic Year 2022 –2023)

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS COLLEGE, SAMUDRAPUR
POST GRADUATE DEPARTMENT OF ZOOLOGY
(Academic Year 2022 –2023)



CERTIFICATE

This is to certify that Mr./Ms./Mrs Samiksha Gajanan Borkute has successfully completed the M.Sc. Semester IV Project titled Diversity of Zooplankton in Samudrapur Tahsil, Dist. Wardha, Maharashtra, (India) in the partial fulfillment of the Degree of Master of Science in Zoology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

This project report is the record of authentic work carried out by him/her under my supervision.

Date: 23-06-2023
Place: - Samudrapur

Samiksha
23/06/23

Dr. M. S. Ambatkar
Head of the Department
Department of Zoology
Vidya Vikas College, Samudrapur
Vidya Vikas Art's, Commerce
Science College, Samudrapur
Dist. Wardha

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS ART'S, COMMERCE & SCIENCE COLLEGE,
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(Affiliated To RTM Nagpur University, Nagpur)



M.Sc. Project

**“ANALYSIS OF SOIL IN THE DIFFERENT REGIONS OF
DISTRICT WARDHA, MAHARASHTRA”**

Submitted by

Tejaswita Mahadev Sahastrabudhe

M.Sc. Semester IV

For the award of

Master of Science in Zoology

POST GRADUATE DEPARTMENT OF ZOOLOGY
VIDYA VIKAS COLLEGE, SAMUDRAPUR
(Academic Year 2022 – 2023)

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS COLLEGE, SAMUDRAPUR
POST GRADUATE DEPARTMENT OF ZOOLOGY
(Academic Year 2022 - 2023)



CERTIFICATE

This is to certify that Ms. Tejaswita mahadev Sahastrabuddhe has successfully completed the M.Sc. Semester IV Project titled "Analysis of Soil In The Different Regions Of District Wardha, Maharashtra" in the partial fulfillment of the Degree of Master of Science in Zoology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. This project report is the record of authentic work carried out by him/her under my supervision.

Date: 30-06-2023
Place: Samudrapur

Dr. Manohar Ambatkar
Professor (HOD)
Department of Zoology
Vidya Vikas College, Samudrapur

Dr. M. S. Ambatkar
Head, Dept. of Zoology
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Dist. Wardha 44230f

checked,

30/6/23

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS ART'S, COMMERCE & SCIENCE COLLEGE,
SAMUDRAPUR DIST. WARDHA 442305 (M.S.)
(Affiliated To RTM Nagpur University, Nagpur)



M.Sc. Project

Biodiversity of Moth in Hinganghat Taluka
Dist. Wardha, Maharashtra (India)

Submitted by

Vaishnavi Vilas Nalhe

M.Sc. Semester IV

For the award of
Master of Science in Zoology

POST GRADUATE DEPARTMENT OF ZOOLOGY
VIDYA VIKAS COLLEGE, SAMUDRAPUR
(Academic Year 2022 –2023)

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS COLLEGE, SAMUDRAPUR
POSTGRADUATE DEPARTMENT OF ZOOLOGY
(Academic Year 2022 -2023)



CERTIFICATE

This is to certify that Mr./Ms./Mrs Vaishnavi Vilas Nalhe has successfully completed the M.Sc. Semester IV Project titled Biodiversity of Moth in Hinganghat Taluka, Dist. Wardha, Maharashtra (India) in the partial fulfillment of the Degree of Master of Science in Zoology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.
This project report is the record of authentic work carried out by him/her under my supervision.

Date: 23-06-2023
Place: Samudrapur

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R. S.
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Dr. M. S. Ambatkar
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SAMUDRAPUR DIST. WARDHA 442305 (M.S.)**

(Affiliated To RTM Nagpur University, Nagpur)



M.Sc. Project

Kitchen Waste Management by Vermicomposting

Submitted by

Dipali Prabhakar Ghumade

M.Sc. Semester IV

For the award of

Master of Science in Zoology

**POST GRADUATE DEPARTMENT OF
ZOOLOGY VIDYA VIKAS COLLEGE,
SAMUDRAPUR
(Academic Year 2022 – 2023)**

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS COLLEGE, SAMUDRAPUR
POST GRADUATE DEPARTMENT OF ZOOLOGY
(Academic Year 2022 – 2023)



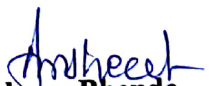
CERTIFICATE

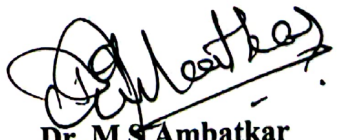
This is to certify that **Dipali Prabhakar Ghumade** has successfully completed the M.Sc. Semester IV Project titled **Kitchen Waste Management by Vermicomposting** in the partial fulfillment of the Degree of Master of Science in Zoology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

This project report is the record of authentic work carried out by him/her under my supervision.

Date: 30/06/2023

Place: Samudrapur


Dr. Archana Bhende
Assistant Professor Department
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Samudrapur


Dr. M.S. Ambatkar
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30/6/23

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT

**VIDYA VIKAS ART'S, COMMERCE & SCIENCE COLLEGE,
SAMUDRAPUR DIST. WARDHA 442305 (M.S.)**

(Affiliated To RTM Nagpur University, Nagpur)



M.Sc. Project

Diversity of Beetle

Submitted by

Karishma Babarao Mandaokar

M.Sc. Semester IV

For the award of

Master of Science in Zoology

**POST GRADUATE DEPARTMENT OF
ZOOLOGY VIDYA VIKAS COLLEGE,
SAMUDRAPUR
(Academic Year 2022 – 2023)**

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS COLLEGE, SAMUDRAPUR
POST GRADUATE DEPARTMENT OF ZOOLOGY
(Academic Year 2022 – 2023)



CERTIFICATE

This is to certify that **Karishma Babarao Mandaokar** has successfully completed the M.Sc. Semester IV Project titled **Diversity of Beetle** in the partial fulfillment of the Degree of Master of Science in Zoology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

This project report is the record of authentic work carried out by him/her under my supervision.

Date: 30/6/2023

Place: Samudrapur

Dr. M. S. Ambatkar
Head of the Department
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M.Sc. Project

**Survey of waste material regarding with
the vector diseases**

Submitted by

Kalyani Jagdishrao Shelke

M.Sc. Semester IV

For the award of
Master of Science in Zoology

POST GRADUATE DEPARTMENT OF ZOOLOGY
VIDYA VIKAS COLLEGE, SAMUDRAPUR
(Academic Year 2022 – 2023)

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS COLLEGE, SAMUDRAPUR
POST GRADUATE DEPARTMENT OF ZOOLOGY
(Academic Year 2022 - 2023)



CERTIFICATE

This is to certify that Mr./Ms./Mrs. **KALYANI JAGDISHRAO SHELKE** has successfully completed the M.Sc. Semester IV Project titled **Survey of waste material regarding with the vector diseases** in the partial fulfillment of the Degree of Master of Science in Zoology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

This project report is the record of authentic work carried out by him/her under my supervision.

Date: 23/06/2023
Place: Samudrapur

Dr. M. S. Ambatkar
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30/6/23