



Vidya Vikas Education Society's
VIKAS COLLEGE OF ARTS, SCIENCE & COMMERCE
Affiliated to University of Mumbai
ISO 9001:2015 CERTIFIED



Department of Chemistry

M.Sc Chemistry

Project Dissertation Report A.Y.2018-19 to 2022-23

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1) Project Dissertation Report A.Y. 2018-19

**VIDYA VIKAS EDUCATION SOCIETY'S
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DEPARTMENT OF CHEMISTRY
PROJECT DISSERTATION REPORT A.Y. 2018-19**

A] Programme Name: M.Sc. (Organic Chemistry) Part 2

B] Programme Code: 1S01121

C] Semester: IV

D] Name of the Course that include experiential learning through project:
Practical of Research Methodology-Research Project (50 Marks)

E] Course Code: PSCHO4P2

F] Project Dissertation Objectives:

1. To equip students with practical skills through hands-on experience with laboratory techniques, data analysis, and scientific methodologies.
2. To enhance the student's proficiency in conducting experiments, analyzing data, and interpreting results, their ability to apply theoretical knowledge to practical situations.
3. To cultivate research skills among students by providing training in research methodologies, data analysis techniques, and critical evaluation of scientific literature.
4. To develop students' professional skills, including scientific writing, presentation skills, project management, and leadership.

G] Outcomes of the Project work:

The learner would be able to -

1. Correlate the theoretical and practical aspects of research.
2. Collate, organize and analyze the existing literature in any given field of study.
3. Formulate a hypothesis following literature review.
4. Design a study to prove/ disprove the hypothesis using the tenets of Research Methodology.
5. Design data/ sample collection.
6. Prepare a presentation and appropriately record the studies done in this course.

H] List of Learners and Project Titles:

Sr. No	Name of the Learner	Title of the Project
1	Ashutosh Singh	Comparative study of ascorbic acid to analysis defense mechanism towards pollution in different plant samples
2	Rajan Mishra	Adulterant in spices and green vegetables
3	Sachin Yadav	Synthesis of metal complexes by using amino acids as a Schiff base


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4	SanmanMadlekar	Esterification by using different fruit juices
5	Swapnil Dhopate	Estimation of heavy metals from basil plant from complexometric titration
6.	Vikram Singh	Comparative study of air pollution effects on total chlorophyll content of various plant spices
7	Pranita Pandurang Kamble	Comparative study of purity of different commercial honey samples
8	SubhijitSathyanandan	Estimation of heavy metals from clove by complexometric titration

I] Duration of the Project work (As prescribed by the University): 1-2 months

J] Evaluation Pattern prescribed by the University:

(50 marks external examination)

Project assessment was done by an external examiner during their University practical examination of Research methodology paper at exam center as per university guidelines.


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2) Project Dissertation Report A.Y. 2019-20

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DEPARTMENT OF CHEMISTRY
PROJECT DISSERTATION REPORT A.Y. 2019-20**

A] Programme Name: M.Sc. (Organic Chemistry) Part 2

B] Programme Code: 1S01121

C] Semester: IV

D] Name of the Course that include experiential learning through project:
Practical of Research Methodology-Research Project (50 Marks)

E] Course Code: PSCHO4P2

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4. Design a study to prove/ disprove the hypothesis using the tenets of Research Methodology.
5. Design data/ sample collection.
6. Prepare a presentation and appropriately record the studies done in this course.

H] List of Learners and Project Titles:

Sr. No	Name of the Learner	Title of the Project
1	Ankita Kamthe	Extraction of natural dyes from vegetable and fruit seeds
2	Pooja Katke	Extraction of dyes from flowers
3	Pranali Yendhe	Removal of fluoride ion from drinking water or ground water by using corn husk or green chickpeas powder
4	Prateek Hajare	Synthesis, characterization and antimicrobial


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		studies of Schiff base metal complexes
5	Amol Chaudhary	Corn and sweet potato starch based biodegradable bioplastic
6	Suyog Torase	Removal of heavy metals from industrial waste water using chelating reagent
7	Vaibhav Kurkute	Synthesis of rodenticides from plant
8	Vrushali Ingavale	Comparative studies of a transition metal containing polymer

I] Duration of the Project work (As prescribed by the University): 1-2 months

J] Evaluation Pattern prescribed by the University:

(50 marks external examination)

Due to pandemic lockdown, project assessment was done online by college during their University practical examination of Research methodology paper as per university guidelines.


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Reaccredited "A" Grade

Kannamwar nagar-2, Vikhroli (East), Mumbai- 400083

Certificate

This is to certify that Mr. Ankita Kishor Kamthe with seat no.4103598 of M.Sc. part (II) Organic Chemistry has successfully completed the project work entitled "Extraction of natural dyes from vegetable and fruit seeds" in partial fulfillment of M.Sc. part (II) Organic Chemistry prescribed by University of Mumbai during the academic year 2019 – 2020.

Guided By,

Dr.Preeti Dwivedi

Head of Department

External Examiner

College seal


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3) Project Dissertation Report A.Y. 2020-21

**VIDYA VIKAS EDUCATION SOCIETY'S
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DEPARTMENT OF CHEMISTRY
PROJECT DISSERTATION REPORT A.Y. 2020-21**

A] Programme Name: M.Sc. (Organic Chemistry) Part 2

B] Programme Code: 1S01121

C] Semester: IV

D] Name of the Course that include experiential learning through project:
Practical of Research Methodology-Research Project (50 Marks)

E] Course Code: PSCHO4P2

F] Project Dissertation Objectives:

1. To equip students with practical skills through hands-on experience with laboratory techniques, data analysis, and scientific methodologies.
2. To enhance the student's proficiency in conducting experiments, analyzing data, and interpreting results, their ability to apply theoretical knowledge to practical situations.
3. To cultivate research skills among students by providing training in research methodologies, data analysis techniques, and critical evaluation of scientific literature.
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5. Design data/ sample collection.
6. Prepare a presentation and appropriately record the studies done in this course.

H] List of Learners and Project Titles:

Sr. No	Name of the Learner	Title of the Project
1	Nikhil Ghuge	Synthesis, characterization and application of chelating resin containing nitrogen and sulphur as donor atom
2	Bushra Kazi	Extraction of oil from holy basil leaves and isolation of curcumin from turmeric
3	Sneha Dashwant	Synthesis characterization and application of various metal nano particles


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4	Mayuri Jadhav	Synthesis of mosquito repellent from various plants and their application
5	Shubhada Jangam	Extraction of fluoride ion and its uses in dentistry

I] Duration of the Project work (As prescribed by the University): 1-2 months

J] Evaluation Pattern prescribed by the University:

(50 marks external examination)

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Kannamwar nagar-2, Vikhroli (East), Mumbai- 400083

Certificate

This is to certify that Mr. Nikhil Eknath Ghuge with seat no.3543160 of M.Sc. part (II) Organic Chemistry has successfully completed the literature review project entitled " Synthesis, characterization and application of chelating resin containing nitrogen and sulphur as donor atom" in partial fulfillment of M.Sc. part (II) Organic Chemistry prescribed by University of Mumbai during the academic year 2020 – 2021.

Guided By,

Dr. Preeti Dwivedi

Head of Department

External Examiner

College seal


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4) Project Dissertation Report A.Y. 2021-22

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VIKAS COLLEGE OF ARTS, SCIENCE & COMMERCE
DEPARTMENT OF CHEMISTRY
PROJECT DISSERTATION REPORT A.Y. 2021-22**

A] Programme Name: M.Sc. (Organic Chemistry) Part 2

B] Programme Code: 1S01121

C] Semester: IV

D] Name of the Course that include experiential learning through project:
Practical of Research Methodology-Research Project (50 Marks)

E] Course Code: PSCHO4P2

F] Project Dissertation Objectives:

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6. Prepare a presentation and appropriately record the studies done in this course.

H] List of Learners and Project Titles:

Sr. No	Name of the Learner	Title of the Project
1	Mayur Bhaskar Bari	An overview on glycerol as green solvent in organic synthesis
2	Ankita Balkrishna Desale	An overview on Use of salicylic acid in agriculture field
3	Vijay Jagdish Bhai Kag	Use of supercritical carbon dioxide in solvent extraction in organic compound "
4	Feroz Ahmed Shameen Ahmed	"Application of Heterocyclic compounds as


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	Khan	drug
5	Shivani Sharad Salvi	Estimation of Oxalateionin Guava fruits at different stages of ripening
6	Prashant Gangadhar Sawant	“Extraction Silicafrom rice Husk
7	Rizwan Younus Shaikh	Use of dimethylcarbonateas a green solvent in Organic synthesis
8	Pooja Sadafal Yadav	“Analysis of Extraction ofcaffeine from tea leaves“

I] Duration of the Project work (As prescribed by the University): 1-2 months

J] Evaluation Pattern prescribed by the University:

(50 marks external examination)

Project assessment was done in college during their University practical examination of Research methodology paper as per university guidelines.

J] Certificates of the Learners from the Project Dissertation signed by the Examiners


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Phone: 25784267
25783540
Fax: 25796196

VIDYA VIKAS EDUCATION SOCIETY'S
VIKAS COLLEGE OF ARTS, SCIENCE & COMMERCE
(Affiliated to University of Mumbai)
(NAAC ACCREDITED A Grade)
Vikas High School Road, Kannamwar Nagar No.2, Vikhroli (E), Mumbai – 400083

Dr. R.K. Patra
Principal
vikascollegeprincipal@gmail.com

Hon'ble. Shri. P. M. RAUT
Chairman, V.V.E.Society
www.vikascollege.org

Certificate

This is certify that Mr. Rizwan Younus Shaikh with seat no.212807of M.Sc. part (II) Organic Chemistry has successfully completed the project work entitled "Use of Dimethyl carbonate as a green solvent in Organic synthesis" in partial fulfillment of M.Sc. part (II) Organic Chemistry prescribed by University of Mumbai during the academic year 2021 – 2022

Guided By,
Ms. Madhuri Thanage
Ms. Thanage
2/5/22

[Signature]
02/05/22
Head of Department

[Signature]
4/5/22
External Examiner

[Signature]
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Vikhroli (E), Mumbai - 400 083.



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(Affiliated to University of Mumbai)
RE -ACCREDITED 'A' GRADE BY NAAC (WITH CGPA 3.15)
ISO 9001: 2008 CERTIFIED
Vikas High School Road, Kannamwar Nagar No.2, Vikhroli (E), Mumbai - 400083
Phone:25784267/25783540 Fax: 25796196

Dr. R.K. Patra
Principal

Hon'ble. Shri. P. M. RAUT
Chairman, V.V.E.Society

vikascollegeprincipal@gmail.com www.vikascollege.org

Certificate

This is certify that Ms. Shivani Sharad Salvi with seat no. 212805of M.Sc . part (II) Organic Chemistry has successfully completed the project work entitled " **Estimation of Oxalate ionin Guava fruits at different stages of ripening** " in partial fulfillment of M.Sc. part (II) Organic Chemistry prescribed by University of Mumbai during the academic year 2021-2022

Guided By,

Ms. Madhuri Thanage

Thange
2/5/22

AKR
02/05/2022

Head of Department

Ch
4/5/22

External Examiner



R.K. Patra
PRINCIPAL
VIKAS COLLEGE OF ARTS, SCIENCE & COMMERCE
Vikhroli (E), Mumbai - 400 083.



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5) Project Dissertation Report A.Y. 2022-23

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DEPARTMENT OF CHEMISTRY
PROJECT DISSERTATION REPORT A.Y. 2022-23**

A] Programme Name: M.Sc. (Organic Chemistry) Part 2

B] Programme Code: 1S01121

C] Semester: IV

D] Name of the Course that include experiential learning through project:
Practical of Research Methodology-Research Project (50 Marks)

E] Course Code: PSCHO4P2

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H] List of Learners and Project Titles:

Sr. No	Name of the Learner	Title of the Project
1	Siddhi Sunil Sawant	Esterification Reaction by Using different Fruit Juices
2	Sandesh Shelar	Acetylation of Amine by using Fruit Juices as a Catalyst
3	Harshali Digambar Shirsat	Preparation of soap by using different types of oil
4	Riddhi Laxmikant Parab	Silica Sulfuric Acid: An Eco-Friendly Catalyst for Synthesis of Quinoazolinones


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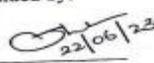
I] Duration of the Project work (As prescribed by the University): 1-2 months

J] Evaluation Pattern prescribed by the University:

(50 marks external examination)

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K] Certificates of the Learners from the Project Dissertation signed by the Examiners

 <p>Vidya Vikas Education Society's VIKAS COLLEGE OF ARTS, SCIENCE & COMMERCE Affiliated to University of Mumbai RE-ACCREDITED 'A' GRADE BY NAAC (WITH CGPA 3.15) ISO 9001 : 2008 CERTIFIED Vikas High School Marg, Kannamwar Nagar No. 2, Vikhroli (E), Mumbai - 400 083.</p>		Phone : 257 84267 257 83540 Fax : 257 96196
Dr. R. K. Patra Principal Email : vikascollegeprincipal@gmail.com	Hon'ble Shri. P. M. Raut Chairman, V. V. Edu. Society www.vikascollege.org	
Certificate		
<p>This is to certify that Miss. Riddhi Laxmikant Parab with seat no.4139645 of M.Sc. Part(II) Organic Chemistry has successfully completed the project work entitled "SILICA SULFURIC ACID: AN ECO-FRIENDLY AND REUSABLE CATALYST FOR SYNTHESIS OF QUINOAZOLINONES" in partial fulfillment of M.Sc. Part(II) Organic Chemistry prescribed by University of Mumbai during the academic year 2022-23.</p>		
Guided by.  Ms. Sheetal Sanas	 <p>College seal</p>	 Head of Department  External Examiner


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