

Synthesis and Characterisation of Carbon Quantum Dots

(Project report submitted to University of Kerala in partial
fulfillment of the requirement for the award of the Degree of
Bachelor of Chemistry)

Submitted by
Group No.1

Name	Candidate code
Abhaya Vinesh	23520118001
Aiswarya B	23520118006
Athira O	23520118017
Devika A J	23520118019
Jayanth J S	23520118025

Examination code : 23520601
Subject code : CH 1646

Under the guidance of
Dr. RESMI RAGHUNANDAN
Assistant Professor of Chemistry



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**DEPARTMENT OF CHEMISTRY
MAHATMA GANDHI COLLEGE,
THIRUVANANTHAPURAM**

PROJECT COMPLETION CERTIFICATE

This is to certify that the project entitled"- Synthesis and Characterization of Carbon Quantum Dots " ,was submitted in partial fulfilment of the requirement for the award of degree of Bachelor of Science during the academic year 2022-23.The following students completed the project.

SI No.	Candidate Code	Name of the Student
1	23520118001	Abhaya Vinesh
2	23520118006	Aiswarya B
3	23520118017	Athira O
4	23520118019	Devika A J
5	23520118025	Jayanth J S



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SYNTHESIS AND SPECTROSCOPIC CHARACTERISATION OF AN AZO DYE



A Project report submitted to University of Kerala in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF SCIENCE

IN

CHEMISTRY

Submitted by

Sl No	Name	Candidate code
1	ABHIRAM V K	23520118002
2	AKHIL KRISHNAN U M	23520118007
3	APARNA S NAIR	23520118012
4	ASWATHY C	23520118015
5	PRIYADHARSHINI S	23520118030

Department of Chemistry
MAHATMA GANDHI COLLEGE, THIRUVANANTHAPURAM
MARCH 2023


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**DEPARTMENT OF CHEMISTRY
MAHATMA GANDHI COLLEGE,
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PROJECT COMPLETION CERTIFICATE

This is to certify that the project entitled"- Synthesis and Spectroscopic Characterization of an Azo Dye " ,was submitted in partial fulfilment of the requirement for the award of degree of Bachelor of Science during the academic year 2022-23.The following students completed the project.

SI No.	Candidate Code	Name of the Student
1	23520118002	Abhiram V K
2	23520118007	Akhilkrishnan U M
3	23520118012	Aparna S Nair
4	23520118015	Aswathy C
5	23520118030	Priyadharsini S



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**P.G. Dept. of Chemistry & Research Centre
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CRYSTAL GROWTH AND CHARACTERISATION OF ZINC COMPLEX OF FUMARIC ACID

Project Submitted

To

UNIVERSITY OF KERALA
THIRUVANANTHAPURAM



PG DEPARTMENT OF CHEMISTRY AND RESEARCH
CENTRE

MAHATMA GANDHI COLLEGE
THIRUVANANTHAPURAM, 2023

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P.G. Dept. of Chemistry & Research Centre
Mahatma Gandhi College
Thiruvananthapuram

CRYSTAL GROWTH AND CHARACTERISATION OF ZINC COMPLEX OF FUMARIC ACID

Project report submitted to the University of Kerala in partial fulfilment of the
Requirement for the award of BSc. degree in chemistry by

SOUJITH SURESH	23520118033
ABHIJITH A S	23520118036
ANEESH S	23520118041
GOURI M S	23520118043
SILPA B S	23520118054
AMALJITH A L	23520118057

Exam code:

Subject code:

DEPARTMENT OF CHEMISTRY
MAHATMA GANDHI COLLEGE
THIRUVANANTHAPURAM
MARCH 2023

**DEPARTMENT OF CHEMISTRY
MAHATMA GANDHI COLLEGE,
THIRUVANANTHAPURAM**

PROJECT COMPLETION CERTIFICATE

This is to certify that the project entitled"- Crystal Growth and Characterization of Zinc Complex from Fumaric Acid " ,was submitted in partial fulfilment of the requirement for the award of degree of Bachelor of Science during the academic year 2022-23.The following students completed the project.

SI No.	Candidate Code	Name of the Student
1	23520118033	Soujith Suresh
2	23520118036	Abhijith A S
3	23520118041	Aneesh S
4	23520118043	Gouri M S
5	23520118054	Silpa B S
6	23520118057	Amaljith A L



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THE IONS PRESENT IN THE TOOTHPASTE

PROJECT REPORT

SUBMITTED TO

UNIVERSITY OF KERALA

THIRUVANANTHAPURAM



PG DEPARTMENT OF CHEMISTRY AND RESEARCH CENTRE

MAHATMA GANDHI COLLEGE

THIRUVANANTHAPURAM

MAY2023



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P.G. Dept. of Chemistry & Research Centre
Mahatma Gandhi College
Thiruvananthapuram

THE IONS PRESENT IN THE TOOTHPASTE

Project report submitted to the University of Kerala in partial fulfillment of the requirement for the award of B.Sc Degree in Chemistry

Anuja Ananthakrishnan G -23520118050

Supriya Rani -23520118034

Remya P -23520118031

Amal Dev L -23520118038

Sabarinath K J -23520118053

Exam Code :23520601

Subject Code :CH1646

DEPARTMENT OF CHEMISTRY

MAHATMA GANDHI COLLEGE

THIRUVANANTHAPURAM

MAY 2023

**DEPARTMENT OF CHEMISTRY
MAHATMA GANDHI COLLEGE,
THIRUVANANTHAPURAM**

PROJECT COMPLETION CERTIFICATE

This is to certify that the project entitled"- Ions Present in Tooth Paste " ,was submitted in partial fulfilment of the requirement for the award of degree of Bachelor of Science during the academic year 2022-23.The following students completed the project.

SI No.	Candidate Code	Name of the Student
1	23520118031	Remya P
2	23520118034	Supriya Rani
3	23520118038	Amal Dev L
4	23520118050	Anuja Ananthakrishnan G
5	23520118053	Sabarinath K G



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Single Pot Green Synthesis of Xyloglucan Grafted Rosin and Its Characterization

(Project report submitted to University of Kerala in partial fulfillment of the
requirement for the award of the degree of Bachelor of Chemistry)

Submitted By

GROUP No. 2

Name	Candidate code
AISWARYA M S	23520118005
ANANDHU A S	23520118009
ATHIRA B S	23520118016
BHARATH S KRISHNA	23520118018
KRISHNA VINOD A	23520118027

(Sixth Semester CBCSS B.Sc Chemistry)

Examination code :- 23520601

Subject code :- CH 1646

Under the supervision of

Dr. SIMI C.K

Assistant Professor Of Chemistry



Department Of Chemistry

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**DEPARTMENT OF CHEMISTRY
MAHATMA GANDHI COLLEGE,
THIRUVANANTHAPURAM**

PROJECT COMPLETION CERTIFICATE

This is to certify that the project entitled"- Single Pot Green Synthesis of Xyloglucan Grafted Rosin and its Characterization " ,was submitted in partial fulfilment of the requirement for the award of degree of Bachelor of Science during the academic year 2022-23.The following students completed the project.

SI No.	23520118005	Aiswarya M S
1	23520118009	Anandhu A S
2	23520118016	Athira B S
3	23520118018	Bharath S Krishna
4	23520118027	Krishna Vinod A
5	23520118005	Aiswarya M S



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Thiruvananthapuram

PROJECT REPORT ON

“EXTRACTION OF BIODIESEL FROM VEGETABLE OIL”

Submitted by

JISHNU SIVA S

REG NO:23520118044

BHAGYA SOMAN US

REG NO:23520118051

GOKUL G R

REG NO:23520118052

SREELEKSHMI SUNIL

REG NO:23520118055

VAISAKH N

REG NO:23520118056

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**DEPARTMENT OF CHEMISTRY
MAHATMA GANDHI COLLEGE,
THIRUVANANTHAPURAM**

PROJECT COMPLETION CERTIFICATE

This is to certify that the project entitled"- Extraction of Biodiesel from Vegetable Oil " ,was submitted in partial fulfilment of the requirement for the award of degree of Bachelor of Science during the academic year 2022-23.The following students completed the project.

SI No.	Candidate Code	Name of the Student
1	23520118044	Jishnu Siva S
2	23520118051	Bhagya Soman U S
3	23520118052	Gokul G R
4	23520118055	Sreelekshmi Sunil
5	23520118056	Vaisakh N



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**IDENTIFICATION OF SOME COMMON ORGANIC COMPOUNDS
USING FTIR SPECTROSCOPY**

PROJECT SUBMITTED
TO
UNIVERSITY OF KERALA
THIRUVANANTHAPURAM



PG DEPARTMENT OF CHEMISTRY AND RESEARCH
CENTRE
MAHATMA GANDHI COLLEGE
THIRUVANANTHAPURAM, INDIA
2023

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P.G. Dept. of Chemistry & Research Centre
Mahatma Gandhi College

IDENTIFICATION OF SOME COMMON INORGANIC COMPOUNDS USING FTIR SPECTROSCOPY

Project report submitted to the University of Kerala in partial
fulfilment of the requirement for the award of BSc degree in Chemistry by

ANAKHA S R	: 23520118008
GAUTHAM MOHAN Y M	: 23520118021
HARI S PRASAD	: 23520118023
PARVATHY NAIR A V	: 23520118029
SALMIYA S	: 23520118032
ADITHYA VINOD	: 23520118037

Exam Code : 23520601

Subject Code : CH1646

DEPARTMENT OF CHEMISTRY

MAHATMA GANDHI COLLEGE

(Affiliated to University of Kerala)

THIRUVANANTHAPURAM , KESAVADASAPURAM - 695004

MAY 2023

**DEPARTMENT OF CHEMISTRY
MAHATMA GANDHI COLLEGE,
THIRUVANANTHAPURAM**

PROJECT COMPLETION CERTIFICATE

This is to certify that the project entitled"- Identification of Some Common Inorganic Compounds Using FT-IR Spectroscopy" ,was submitted in partial fulfilment of the requirement for the award of degree of Bachelor of Science during the academic year 2022-23.The following students completed the project.

SI No.	Candidate Code	Name of the Student
1	23520118008	Anakha S R
2	23520118021	Gautham Mohan Y M
3	23520118023	Hari S Prasad
4	23520118029	Parvathy Nair A V
5	23520118032	Salmiya S
6	23520118037	Adithya Vinod



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EXTRACTION OF ESSENTIAL OILS FROM FLOWERS

(Project report submitted to University of Kerala in partial
fulfillment of the requirement for the award of the
Degree of Bachelor of Chemistry)



Department of Chemistry
Mahatma Gandhi College
(Affiliated to University of Kerala)
Kesavadasapuram, Thiruvananthapuram
2023



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Mahatma Gandhi College
Thiruvananthapuram

EXTRACTION OF ESSENTIAL OILS FROM FLOWERS

(Project report submitted to University of Kerala in partial fulfillment of the requirement for the award of the Degree of Bachelor of Chemistry)

Name	Candidate code
Adhithya K H	23520118004
Arya A S	23520118014
Farsana Sunil	23520118020
Harsha G S	23520118024
Ananthakrishnan S	23520118040
Megha M S	23520118046

Examination code : 23520601
Subject code : CH 1646

Under the guidance of
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**DEPARTMENT OF CHEMISTRY
MAHATMA GANDHI COLLEGE,
THIRUVANANTHAPURAM**

PROJECT COMPLETION CERTIFICATE

This is to certify that the project entitled "Extraction of Essential Oil from Flowers" ,was submitted in partial fulfilment of the requirement for the award of degree of Bachelor of Science during the academic year 2022-23. The following students completed the project.

SI No.	Candidate Code	Name of the Student
1	23520118008	Adithya K H
2	23520118014	Arya A S
3	23520118020	Farsana Sunil
4	23520118024	Harsha G S
5	23520118040	Ananthakrishnan S
6	23520118046	Megha M S



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IDENTIFICATION OF SOME COMMON INORGANIC COMPOUNDS USING FTIR SPECTROSCOPY

PROJECT SUBMITTED

TO

UNIVERSITY OF KERALA

THIRUVANANTHAPURAM



PG DEPARTMENT OF CHEMISTRY AND RESEARCH

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IDENTIFICATION OF SOME COMMON ORGANIC COMPOUNDS USING FTIR SPECTROSCOPY

**Project report submitted to the University of Kerala in partial
fulfillment of the requirement for the award of BSc degree in Chemistry by**

**ANANDAN H A :23520118039
ASWANTH S R :23520118042
LAKSHMI B :23520118045
R CHAITHANYAN :23520118048
VYSHNAVI A R :23520118049
GAYATHRI A S :23520118058**

Exam code :23520601

Subject code :CH1646

DEPARTMENT OF CHEMISTRY

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MAY2023

DEPARTMENT OF CHEMISTRY
MAHATMA GANDHI COLLEGE,
THIRUVANANTHAPURAM

PROJECT COMPLETION CERTIFICATE

This is to certify that the project entitled"- Identification of Some Common Organic Compounds Using FT-IR Spectroscopy " ,was submitted in partial fulfilment of the requirement for the award of degree of Bachelor of Science during the academic year 2022-23.The following students completed the project.

SI No.	Candidate Code	Name of the Student
1	23520118039	Anandan H A
2	23520118042	Aswanth S R
3	23520118045	Lakshmi B
4	23520118048	R Chaithanyan
5	23520118049	Vyshnavi A R
6	23520118058	Gayathri A S



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PREPARATION OF BIO-BASED PLASTICS FROM POTATO STARCH



PROJECT SUBMITTED TO
THE UNIVERSITY OF KERALA
IN PARTIAL FULFILMENT OF THE
REQUIREMENT FOR THE DEGREE OF
BACHELOR OF SCIENCE

IN
CHEMISTRY

BY

Reg No:(23520118003)

Reg No:(23520118010)

Reg No:(23520118022)


Reg No:(23520118028)

Reg No:(23520118035)

Reg No:(23520118047)

DEPARTMENT OF CHEMISTRY,
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MAY 2023


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**DEPARTMENT OF CHEMISTRY
MAHATMA GANDHI COLLEGE,
THIRUVANANTHAPURAM**

PROJECT COMPLETION CERTIFICATE

This is to certify that the project entitled"- Preparation of Bio-based Plastic from Potato Starch " ,was submitted in partial fulfilment of the requirement for the award of degree of Bachelor of Science during the academic year 2022-23.The following students completed the project.

SI No.	Candidate Code	Name of the Student
1	23520118003	Adarshkrishnan J
2	23520118010	Anjali P S
3	23520118022	Govind P
4	23520118028	Panchami Krishna P
5	23520118035	Umeshdev U K
6	23520118047	Priyadersini P S



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