

Department of Chemistry
Project Work 2021-2022

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**EFFECT OF IONIC LIQUID ON SWELLING PROPERTIES AND
HARDNESS OF STYRENE BUTADIENE RUBBER-CARBON
NANOTUBE (SBR-CNT) COMPOSITES**

*Project report submitted to the University of Calicut in partial
fulfillment of the requirements for the award of the Degree of Bachelor of
Science in Chemistry*

By

ARSHANA O. V. (POATSCH001)
KRISHNA P. (POATSCH012)
SHIMNA T. P. (POATSCH017)
RAHEENA (POATSCH034)
MUHAMED SHIBIL P. K. (POATSCH045)

Under the guidance of
Minshiya P.
Assistant Professor
Department of Chemistry



M.E.S PONNANI COLLEGE, PONNANI

2021-2022

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CERTIFICATE

This is to certify that the project work entitled "EFFECT OF IONIC LIQUID ON SWELLING PROPERTIES AND HARDNESS OF STYRENE BUTADIENE RUBBER CARBON NANOTUBE (SBR-CNT) COMPOSITES" submitted by the following students is a bonafied work done by them under my guidance in the Department of Chemistry, M E S Ponnani College, Ponnani in partial fulfillment for requirements of the award of B. Sc. degree in Chemistry of the University of Calicut. The same has not been submitted elsewhere for any other degree.

ARSHANA O. V. (POATSCH001)

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Counter Signed by
(HoD)

External Examiner



(Project supervisor)
MINSHIYA P.

MINSHIYA. P
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**STUDY OF SWELLING CHARACTERISTICS OF STYRENE
BUTADIENEN RUBBER- CARBONNANOTUBE COMPOSITES**

*Project Report Submitted to the University of Calicut in partial
fulfillment of the requirements for the award of the Degree of Bachelor of
Science in Chemistry*

By

**ALTHAF SALEEK C. A (POATSCH007)
AMNA K (POATSCH023)
JAHANA SHIRIN P V (POATSCH028)
SHANILA T K (POATSCH040)**

Under the Guidance of

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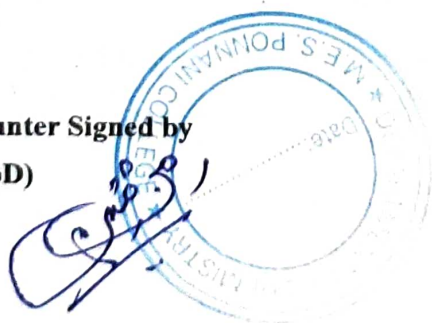
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**POLYMERIC CARBON NITRIDE AS AN EFFICIENT
PHOTOCATALYST FOR THE DEGRADATION OF
RHODAMINE B**

Project submitted to the University of Calicut in partial
fulfillment of the requirement for the degree of

Bachelor of Science in Chemistry

by

GOPIKA P [POATSCH010]

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NAHLA T K [POATSCH032]

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Under the supervision of

Dr. VANDANA P. V

Project Supervisor



**DEPARTMENT OF CHEMISTRY
MES PONNANI COLLEGE, PONNANI**

2021-2022

CERTIFICATE

This is to certify that the project entitled "POLYMERIC CARBON NITRIDE AS AN EFFICIENT PHOTOCATALYST FOR THE DEGRADATION OF RHODAMINE B" submitted to University of Calicut for the award of Bachelor of Science in Chemistry is a record of original work done by Gopika P, Farsana Ashraf, Nahla T K and Shaguphtha of VI semester BSc Chemistry during the year 2021-2022.

Vandana
5/5/22

Dr. VANDANA P. V.

Assistant Professor (Ad-Hoc)

Department of Chemistry



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Counter Signed by

Head of the Department

External Examiner

GRAPHENE OXIDE AS AN EFFICIENT PHOTOCATALYST FOR THE DEGRADATION OF RHODAMINE B

Project submitted to the University of Calicut in partial
fulfillment of the requirement for the degree of

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By

SHAHANA N [POATSCH005]

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FAZAL MOHAMMED V.P [POATSCH043]

Under the supervision of

Dr. VANDANA P. V

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**DEPARTMENT OF CHEMISTRY
MES PONNANI COLLEGE, PONNANI**

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CERTIFICATE

This is to certify that the project entitled " **GRAPHENE OXIDE AS AN EFFICIENT PHOTOCATALYST FOR THE DEGRADATION OF RHODAMINE B**" submitted to University of Calicut for the award of Bachelor of Science in Chemistry is a record of original work done by Ajisha, Fazal Mohammed, Rifna and Shahana of VI semester BSc Chemistry during the year 2021 -2022.

Vandana P. V.
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DETERMINATION OF IRON CONTENT IN VARIOUS FRUIT JUICES USING COLORIMETRY

Project Report

Submitted to University of Calicut

In partial fulfillment of the requirement for the degree of

Bachelor of Science in Chemistry

Submitted By

NITHASHA PARVE	(REG. NO. POATSCH033)
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JISHIN. U.P	(REG. NO. POATSCH044)

Under the guidance of

SMT. JASNA K

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M.E.S PONNANI COLLEGE, PONNANI

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(Affiliated to the University of Calicut)

Ponnani, Malappuram

2021-2022

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This is to certify that the dissertation entitled “DETERMINATION OF IRON CONTENT IN VARIOUS FRUIT JUICES USING COLORIMETRY” is an authentic record of project work carried out by the following students under my supervision in partial fulfillment of requirements for the degree of Bachelor of Science in Chemistry of University of Calicut during the year 2021-2022.

NITHASHA PARVE

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QUANTITATIVE ANALYSIS OF COPPER IN BRASS HOLDS

**Project submitted to the University of Calicut in partial fulfilment of the
requirement for the degree of Bachelor of Science in Chemistry**

by

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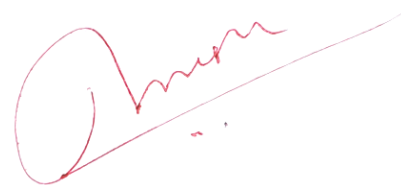
Department of Chemistry
M.E.S Ponnani College, Ponnani
March 2022

CERTIFICATE

This is to certify that the Project work entitled “*Quantitative analysis of Copper in Brass holds*” is an authentic record of project work done by Asna V., Anagha N., Monisha K., Suhana Sherin K.M. and Nishad Koderi Valappil, under my supervision in partial fulfilment of requirements for the degree of Bachelor of Science in Chemistry of University of Calicut.

Umesh C.V.

Assistant Professor



UMESH C V
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QUANTITATIVE ANALYSIS OF IRON IN COMMON FASTENERS

**Project submitted to the University of Calicut in partial fulfilment of the
requirement for the degree of Bachelor of Science in Chemistry**

by

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SAFA SULTHANA R.V. [POATSCH035]

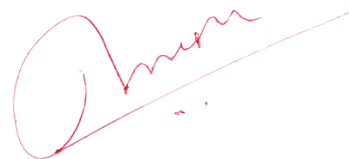
SREESHMA T.P. [POASSCH041]



**Department of Chemistry
M.E.S Ponnani College, Ponnani
March 2022**

CERTIFICATE

This is to certify that the Project work entitled “*Quantitative analysis of Iron in common fasteners*” is an authentic record of project work done by Ayana K.P., Mezyuna, Safa Sulthana R.V., and Sreeshma T.P., under my supervision in partial fulfilment of requirements for the degree of Bachelor of Science in Chemistry of University of Calicut.



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ESTIMATION OF CALCIUM CONTENT IN CALCIUM SUPPLEMENTS

**Project submitted to the University of Calicut in partial fulfilment of the
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This is to certify that the dissertation entitled “Estimation of Calcium Content in Calcium Supplements” is an authentic record of project work carried out by Noufeela.C, Nadha Mujeeb T K, Farhath Mohamed Musthafa and Yasir Koderi Valappil under my supervision in partial fulfilment of requirements for the degree of Bachelor of Science in Chemistry of University of Calicut during the year 2021-22.



Yusufali C

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ESTIMATION OF ZINC CONTENT IN ZINC SUPPLEMENTS

Project submitted to the University of Calicut in partial fulfilment of the requirement for the degree of *Bachelor of Science in Chemistry*

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This is to certify that the dissertation entitled “Estimation of Zinc Content in Zinc Supplements” is an authentic record of project work carried out by Noora Amana E, Fathima Fidha K, Suhaira K, Mohammed Anas K, Shafvanasharin P V under my supervision in partial fulfilment of requirements for the degree of Bachelor of Science in Chemistry of University of Calicut during the year 2021-22.



Yusufali C

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EFFECT OF TEMPERATURE ON VITAMIN C IN TOMATOES

**Project submitted to the University of Calicut in partial fulfilment of the requirement for the degree of Bachelor of Science in Chemistry
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SHEHZADI SHAJAHAN (POATSCH006)

SHAHMA MOIDEEN.P (POATSCH039)



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March 2022**

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This is to certify that the Project work entitled "Effect of temperature on vitamin c in tomatoes" is an authentic record of project work done by Ameena azmi T.V, Fasma P.V, Shehzadi shajahan, Shagma moideen P under my supervision in partial fulfilment of requirements for the degree of Bachelor of Science in Chemistry of University of Calicut.


For

Smt. Jasna k.

Assistant Professor

(Ad.Hoc)

