DETERMINATION OF LYCOPENE CONTENT IN VARIOUS FRUITS

Project report submitted in partial fulfillment of requirement for the award of the degree of Bachelor of Science in Chemistry.

Submitted By

Aneena Siby

Reg.No:200021025104

Georgina Martin

Reg.No:200021025113

Aleena Fine

Reg. No: 200021025123

Under the guidance of

DR. KOCHURANI GEORGE
DEPARTMENT OF CHEMISTRY,
ALPHONSA COLLEGE, PALA

This is to certify that the project report entitled "Determination of Lycopene content in various fruits" is an authentic record of the project work carried out together by Ancena Siby, Aleena Fine and Georgina Martin in partial fulfillment of the project work for the award of the degree of Bachelor of Science in Chemistry of Mahatma Gandhi University under my guidance and supervision during 2022-2023.

Dr. Kochurani George

Assistant Professor,

Department of Chemistry,

Alphonsa College, Pala.

Countersigned by,

Dr. Sr. Jilly James

Head, Department of Chemistry,

Alphonsa College, Pala.

Pala

EFFECT OF VARIOUS SALTS ON FIRST ORDER KINETICS

Project report submitted in partial fulfillment of requirement for the award of the degree of Bachelor of Science in Chemistry.

Submitted By

Anaina Sabu

Reg.No:200021025124

Bhavya M S

Reg.No:200021025128

Catherine Liju

Reg.No:200021025111

Under the guidance of

DR. KOCHURANI GEORGE
DEPARTMENT OF CHEMISTRY,
ALPHONSA COLLEGE, PALA

This is to certify that the project report entitled "Effect of various salts in first order kinetics" is an authentic record of the project work carried out ogether by Ms Anaina Sabu, Ms. Bhavya M S and Ms Catherine Liju in artial fulfillment of the project work for the award of the degree of Bachelor of cience in Chemistry of Mahatma Gandhi University under my guidance and apervision during 2022-2023.

Dr. Kochurani George

Assistant Professor,

Department of Chemistry,

ountersigned by,

. Sr.Jilly James

ead, Department of Chemistry,

phonsa College, Pala.

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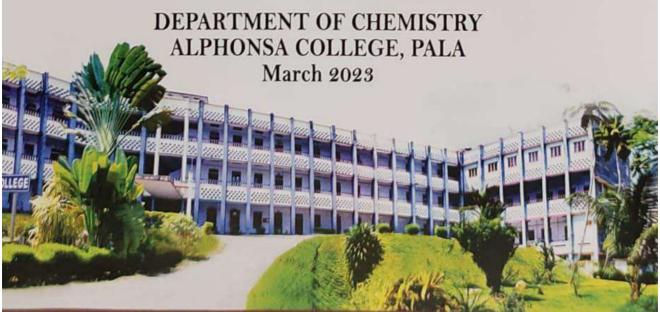
LOW COST AND FAST PRODUCTION OF NANOSILICA FROM RICE HUSK ASH

Project report submitted in partial fulfillment of the requirement for the award of the degree of Bachelor of Science in Chemistry

Submitted by

Under the Guidance of Dr. Sr. Jilly James





This is to certify that the project report entitled "Low Cost and Fast Production of Nanosilica from Rice Husk Ash" is an authentic record of the project work carried out by Kum. Aleena Jose, Devika P M and Nicey Sunil, in partial fulfillment of the project work, for the award of the degree of Bachelor of Science in Chemistry of Mahatma Gandhi University, under my guidance and supervision during 2022-2023.

Dr. Sr. Jilly James

Head, Department of Chemistry,

Alphonsa College, Pala.

DETERMINATION OF DIRT CONTENT, ASE CONTENT VOLATILE MATTER, NITROCEN CONTENT AND PLASTICITY RETENTION INDEX OF CRUMB RUBBER

Project report submitted in partial fulfillment of the requirement for the award of the degree of Bachelor of Science in Chemistry

Submitted by

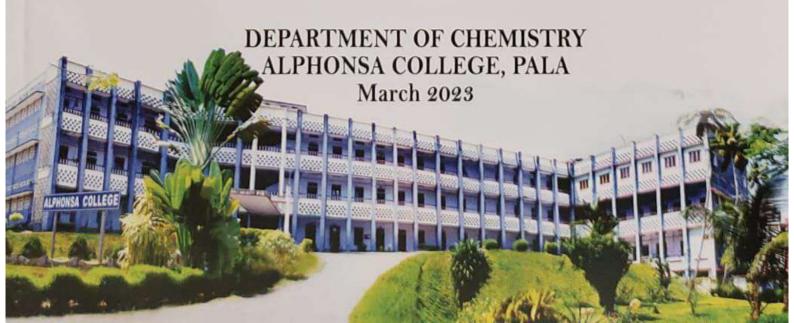
Akshara K Reg.No. 200021025101

Ann Maria Jose Reg.No. 200021025105

Rintu Sebastian Reg.No. 200021025119

Under the Guidance of **Dr. Sr. Jilly James**





This is to certify that the project report entitled "Determination of Pirt Content, Ash Content, Volatile Matter, Nitrogen Content and Plasticity Cetention Index of Crumb Rubber" is an authentic record of the project work arried out by Kum Akshara K, Ann Maria Jose and Rintu Sebastian, it partial fulfillment of the project work, for the award of the degree of Bachelo of Science in Chemistry of Mahatma Gandhi University, under my guidance and supervision during 2022-2023.

Dr. Sr. Jilly Jam

Head, Department of Chemistr

Alphonsa College, Pal

ADSORPTION OF METHYLENE BLUE DYE USING JACK FRUIT LEAF POWDER

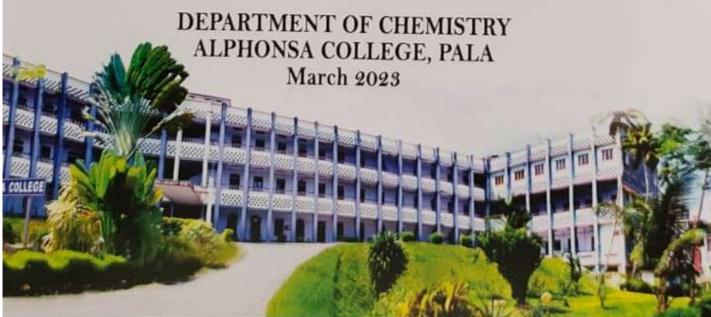
Project report submitted in partial fulfillment of the requirement for the award of the degree of Bachelor of Science in Chemistry

Submitted by

Abita Cherian Reg.No. 200021025099 Anjana Sasikumar Reg.No. 200021025126

Under the Guidance of Dr. Sr. Jilly James





This is to certify that the project report entitled "Adsorption of Methylene Blue Dye using Jack Fruit Leaf Powder" is an authentic record of the project work carried out by Kum. Abita Cherian and Kum. Anjana Sasikumar, in partial fulfillment of the project work, for the award of the degree of Bachelor of Science in Chemistry of Mahatma Gandhi University, under my guidance and supervision during 2022-2023.

Dr. Sr. Jilly James

Head, Department of Chemistry,

Alphonsa College, Pala.

Natural Acid Catalysed Synthesis of Phenolic Schiff bases

Project report submitted in partial fulfillment of requirement for the award of the degree of Bachelor of Science in Chemistry.

Submitted By

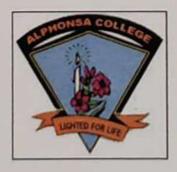
ANAINA SUNNY(Reg No:200021025103)

ANJANA JOSHY(Reg No:200021025125)

SHALUMOL K JOHNY (Reg No:200021025131)

Under the Supervision of

Dr. JESSICA ELIZABETH PHILIP



Department of Chemistry

Alphonsa college, Pala

March 2023

This is to certify that the project report entitled "Natural Acid Catalysed Synthesis of Phenolic Schiff bases" is an authentic record of the project work carried out by Ms. Anaina Sunny, Ms. Anjana Joshy, Ms. Shalumol K Johny in partial fulfillment of the project work for the award of the degree of Bachelor of Science in Chemistry of Mahatma Gandhi University under my guidance and supervision during 2022-2023.

Dr. Jessica Elizabeth Philip Supervising Teacher

Countersigned by,

Dr. Sr. Jilly James

Head of the Department of Chemistry

Alphonsa College, Pala

Place: Pala

Date: 20 March 2023



A STUDY IN DETERMINING THE QUANTITY OF CALCIUM CARBONATE IN VARIOUS BRANDED TOOTHPASTES

Project report submitted in partial fulfillment of requirement for the award of the degree of Bachelor of Science in Chemistry.

Submitted By

MEENAKSHI KRISHNA Reg No: 200021025115

SAJITHA SUNNY Reg No: 200021025130

NIVYA AGNES JOY Reg No: 190021026237

Under the guidance of

DIANA ELIZABETH JOSE

DEPARTMENT OF CHEMISTRY, ALPHONSA COLLEGE, PALA

This is to certify that the project report entitled 'A STUDY IN DETERMINING THE QUANTITY OF CALCIUM CARBONATE IN VARIOUS BRANDED TOOTHPASTES' is an authentic record of the project work carried out by MEENAKSHI KRISHNA, SAJITHA SUNNY, NIVYA AGNES JOY in partial fulfillment of the project work for the award of the degree of Bachelor of Science in Chemistry of Mahatma Gandhi University under my guidance and supervision during 2022-2023.

Ms.Diana Elizabeth Jose

Assistant Professor,

Department of Chemistry,

Alphonsa College, Pala.

Countersigned by

Dr. Sr. Jilly James

Head, Department of Chemistry,

Alphonsa College, Pala.

Pala

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19/03/2023



A STUDY OF INFLUENCE OF MAGNESIUM ION ON THE STABILITY OF NATURAL RUBBER LATEX

Project report submitted in partial fulfillment of requirement for the award of the degree of Bachelor of Science in Chemistry.

Submitted By

AGNES JOSEPH, REG No:200021025100

BALENDHU BINUKUMAR, REG No:200021025109

BHAGYALAKSHMI SAJI, REG No:200021025127

Under the guidance of

Ms. DIANA ELIZABETH JOSE DEPARTMENT OF CHEMISTRY, ALPHONSA COLLEGE, PALA

This is to certify that the project report entitled "A STUDY OF INFLUENCE OF IAGNESIUM ION ON THE STABILITY OF NATURAL RUBBER LATEX" is an uthentic record of the project work carried out by AGNES JOSEPH, ALENDHU BINUKUMAR, BHAGYALAKSHMI SAJI in partial fulfillment of the project work for the award of the degree of Bachelor of Science in Chemistry of Mahatma Gandhi University under my guidance and supervision during 2022-

Ms. Diana Elizabeth Jose

Assistant Professor,

Department of Chemistry,

Alphonsa College, Pala.

Countersigned by,

Dr.Sr. Jilly James

Head, Department of Chemistry,

Alphonsa College, Pala.

Pala

27-03-2023

Analysis of Chocolate: A Marvelous Natural product of Chemistry

Project report submitted in partial fulfillment of requirement for the award of the degree of Bachelor of Science in Chemistry.

Submitted By

AISWARYA K VIJAYAN (Reg.No: 200021025122)

LINITTA P EMMANUEL (Reg.No:200021025114)

NEHA SCARIA (Reg.No: 200021025117)

Under the guidance of Dr. JESSICA ELIZABETH PHILIP



DEPARTMENT OF CHEMISTRY, ALPHONSA COLLEGE, PALA

This is to certify that the project report entitled "Analysis of Chocolate: A Marvelous Natural Product of Chemistry" is an authentic record of the project work carried out by, Aiswarya K.Vijayan, Linitta P Emmanuel, Neha Scaria in partial fulfillment of the project work for the award of the degree of Bachelor of Science in Chemistry of Mahatma Gandhi University under my guidance and supervision during 2022-2023.

Dr. Jessiea Elizabeth Philp

Supervising Teacher

Countersigned by,

Dr.Sr.Jilly James

Head, Department of Chemistry

Alphonsa College, Pala

Place: Pala

Date: 20-03-2023

NANOPARTICLES USING CATHARANTHUS ROSEUS LEAF EXTRACT AND ANTIBACTERIAL STUDIES

Project report submitted in partial fulfillment
Of requirement for the award of the degree of
Bachelor of Science in Chemistry.

SUBMITTED BY

ARCHA NAIR (Reg.No:200021025107)
BHAVANA SURESH (Reg.NO:200021025110)
ANNA JOSE (Reg.No:200021025106)

UNDER THE GUIDENCE OF

Dr. Sr. SHEENA VARGHESE



DEPARTMENT OF CHEMISTRY, ALPHONSA COLLEGE, PALA

This is to certify that the project report entitled "Biological Synthesis of Zinc Oxide Nanoparticles using Catharanthus Roseus Leaf Extract And its Antibacterial Studies" is an authentic record of the project work carried out by Archa Nair, Bhavana Suresh, Anna Jose in partial fulfillment of the project work for the award of the degree of Bachelor of Science in Chemistry of Mahatma Gandhi University under my guidance and supervision during 20222023

Dr. Sr. Sheena Varghese Supervising Teacher

Countersigned by,

Dr. Sr. Jilly James

Head, Department of Chemistry

Alphonsa College, Pala

Pala

GREEN SYNTHESIS OF COBALT NANOPARTICLES USING ASPARAGUS RACEMOSUS ROOT EXTRACT AND EVALUATION OF ANTIFUNGAL ACTIVITY

Project report submitted in partial fulfillment
Of requirement for the award of the degree of
Bachelor of Science in Chemistry.

SUBMITTED BY

NANCY SIBY (Reg.No:200021025129)

SUSAN JOSEPH (Reg.No:200021025120)

MELITTA THERES MATHEW (Reg. No:200021025116)

UNDER THE GUIDANCE OF

Dr. Sr. SHEENA VARGHESE



DEPARTMENT OF CHEMISTRY, ALPHONSA COLLEGE, PALA

This is to certify that the project report entitled "Green Synthesis of Cobalt Nanoparticles using Asparagus Racemosus Root Extract and Evaluation of Antifungal Activity" is an authentic record of the project work carried out by Nancy Siby, Susan Joseph, and Melitta Theres Mathew in partial fulfillment of the project work for the award of the degree of Bachelor of Science in Chemistry of Mahatma Gandhi University under my guidance and supervision during 2022-2023.

Dr. Sr. Sheena Varghese Supervising Teacher

Countersigned by,

Dr. Sr. Jilly James

Head, Department of Chemistry

Alphonsa College, Pala

Pala