

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

Midhuna K Ullas

Reg.No. 190021026220

Riya Jose

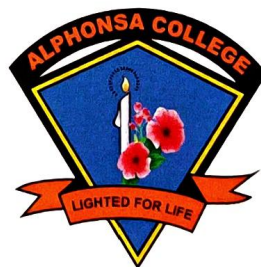
Reg.No. 190021026224

Agnus

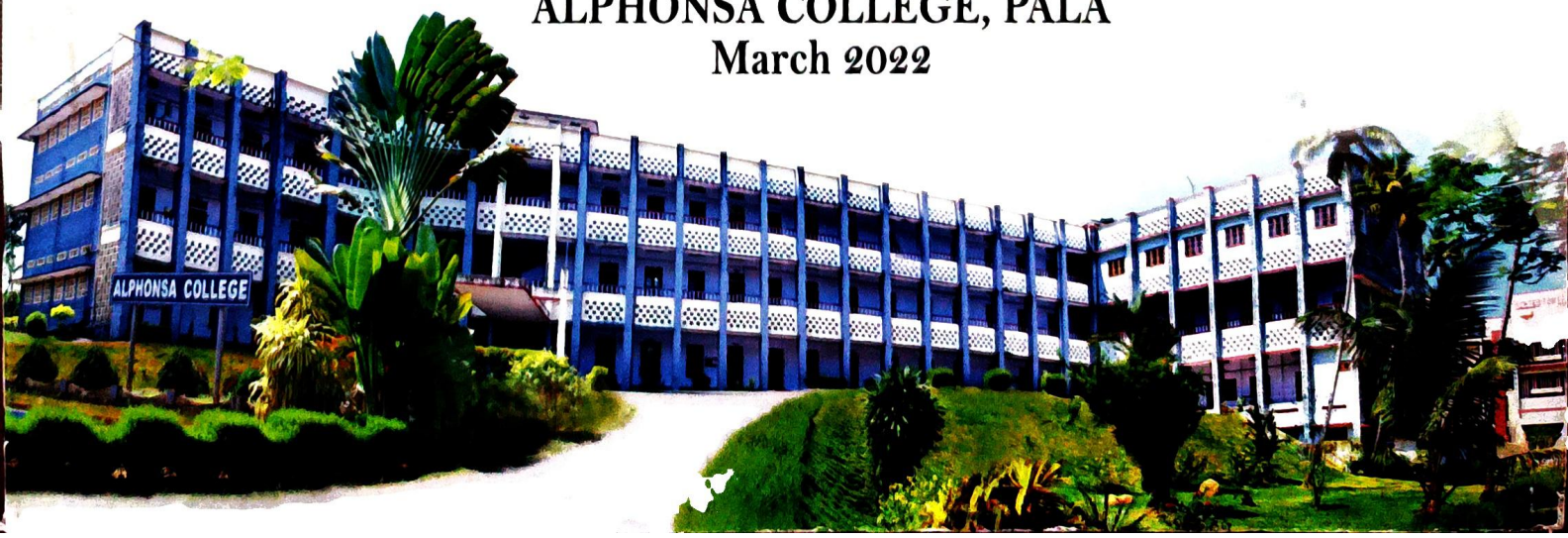
Reg.No. 190021026228

Under the Guidance of

Dr. Sr. Jilly James



**DEPARTMENT OF CHEMISTRY
ALPHONSA COLLEGE, PALA
March 2022**



CERTIFICATE

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. Midhuna K Ullas, Riya Jose and Agnus**, 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 2021-2022.


Dr. Sr. Jilly James

Head, Department of Chemistry,

Alphonsa College, Pala.

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

Gopika G Nair

Reg.No. 190021026217

Minu Satheesh

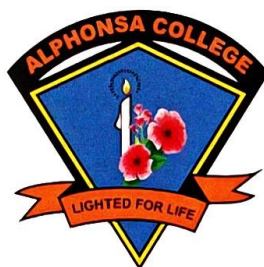
Reg.No. 190021026221

Aneena Chacko

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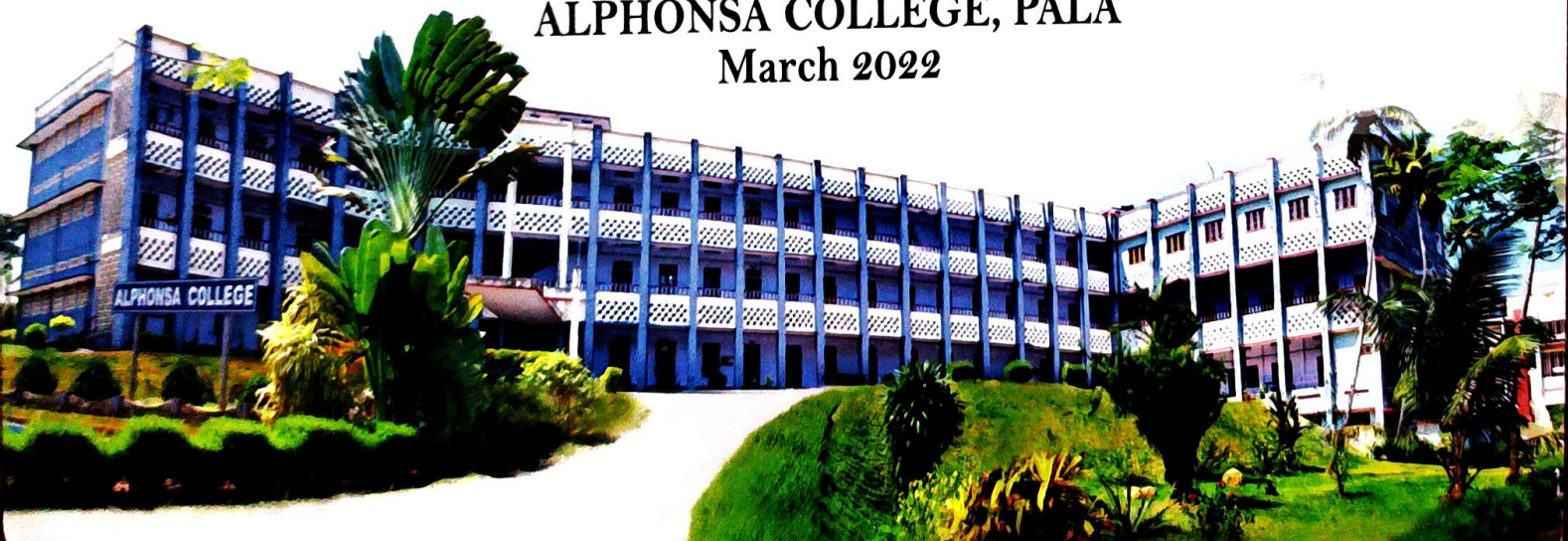
Under the Guidance of

Dr. Sr. Jilly James



**DEPARTMENT OF CHEMISTRY
ALPHONSA COLLEGE, PALA**

March 2022



CERTIFICATE

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. Gopika G Nair, Sr. Minu Satheesh and Kum. Aneena Chacko**, 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 2021-2022.


Dr. Sr. Jilly James

Head, Department of Chemistry,
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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

APARNA K.S.

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Under the guidance of

DR. KOCHURANI GEORGE

DEPARTMENT OF CHEMISTRY,

ALPHONSA COLLEGE, PALA

March 2022

CERTIFICATE

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 **Ms. Aparna K.S., Seeniya Dominic and Shibila Mariyam K.K.** 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 2021-2022.


Dr. Kochurani George

Assistant Professor,

Department of Chemistry,

Alphonsa College, Pala.

Countersigned by,

Dr. Sr. Jilly James 

Head, Department of Chemistry,

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Pala

31.03.2022

COMPARATIVE STUDY OF CURCUMIN CONTENT IN COMMERCIAL AND DOMESTIC TURMERIC SAMPLES

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

Submitted By

ANKITA JACOB

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Under the guidance of

DR. KOCHURANI GEORGE


DEPARTMENT OF CHEMISTRY,

ALPHONSA COLLEGE, PALA

March 2022

CERTIFICATE

This is to certify that the project report entitled “**Comparative study of curcumin content in commercial and domestic turmeric samples**” is an authentic record of the project work carried out together by **Ms. Ankita Jacob, Ms. Binta Maria Siby and Ms. Jeena Rajeev** 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 2021-2022.


Dr. Kochurani George

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Pala

31 March 2022



**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

AMALA S

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BHAGYA M SHIBU

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GOWRI BABU

Reg. No: 190021026218

Under the guidance of

Ms. DIANA ELIZABETH JOSE

DEPARTMENT OF CHEMISTRY,

ALPHONSA COLLEGE, PALA

March 2022

CERTIFICATE

This is to certify that the project report entitled "A STUDY OF INFLUENCE OF MAGNESIUM ION ON THE STABILITY OF NATURAL RUBBER LATEX" is an authentic record of the project work carried out by **AMALA S, GOWRI BABU** and **BHAGYA M SHIBU** 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 2021-2022.



Ms. Diana Elizabeth Jose

Assistant Professor,

Department of Chemistry,

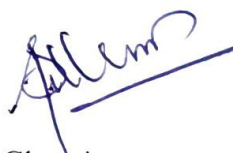
Alphonsa College, Pala.

Countersigned by,

Dr.Sr. Jilly James

Head, Department of Chemistry,

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Pala

5-05-2022

**BIOLOGICAL SYNTHESIS OF SILVER NANO
PARTICLES USING AZADIRACHTA INDICA
LEAF EXTRACT AND DEGRADATION OF DYE**

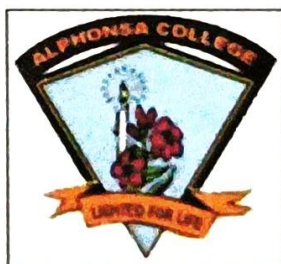
**Project report submitted in partial fulfilment of
Requirement for the award of degree of Bachelor of
Science in chemistry**

SUBMITTED BY

**ANJALI KRISHNA Reg. No. 190021026212
SANDRA. K. SABU.Reg. No. 190021026238
SANIGA CHANDRAN Reg. No. 190021026239**

UNDER THE GUIDENCE OF

JIJAMOL.M. P



**DEPARTMENT OF CHEMISTRY,
ALPHONSA COLLEGE, PALA**

13 May 2022

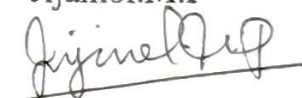
CERTIFICATE

This is to certify that the project report entitled "**BIOLOGICAL SYNTHESIS OF SILVER NANO PARTICLES USING AZADIRACHTA INDICA LEAF EXTRACT AND DEGRADATION OF DYE**" is an authentic record of the project work carried out by **Anjali krishna, Sandra. K Sabu, Saniga Chandranin** 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

2020- 2021.

Supervising Teacher

Jijamol.M.P



Countersigned by,
Dr.Sr.Jilly James
Head, Department of Chemistry
Alphonsa College, Pala

Pala

May 13, 2022



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

DEVOOTTY P.A

AMMU MANOJ

GOWRINANDHA JAYAKUMAR

Reg.No: 190021026233

190021026230

190021026234

CERTIFICATE

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 **Devootty P.A, Ammu Manoj , Gowrinandha Jayakunar** 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 2021-2022.



Ms.Diana Elizabeth Jose

Assistant Professor,

Department of Chemistry,

Alphonsa College, Pala.

**BIOLOGICAL SYNTHESIS OF ZINC OXIDE
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

IRENE EASSO (Reg. No:190021026219)

SNEHA DOMINIC (Reg. No:190021026226)

UNDER THE GUIDENCE OF

Dr. Sr. SHEENA VARGHESE



DEPARTMENT OF CHEMISTRY,
ALPHONSA COLLEGE, PALA

March 2022

CERTIFICATE

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 **Irene Easso and Sneha Dominic** 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 2021-2022.



Dr. Sr. Sheena Varghese
Supervising Teacher

Countersigned by,

Dr. Sr. Jilly James

Head, Department of Chemistry

Alphonsa College, Pala



Pala

27 March 2022

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

ARCHANA S NARAYANAN (Reg.No:190021026215)

RIA ROBINS (Reg.No:190021026223)

SRUTHY P R (Reg.No 190021026227)

UNDER THE GUIDANCE OF

Dr. Sr. SHEENA VARGHESE



DEPARTMENT OF CHEMISTRY,
ALPHONSA COLLEGE, PALA

March 2022

CERTIFICATE

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 **Archana S Narayanan, Ria Robins and Sruthy P R** 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 2021-2022.



Dr.Sr. Sheena Varghese
Supervising teacher

Countersigned by,
Dr. Sr. Jilly James
Head, Department of Chemistry
Alphonsa College, Pala



Pala
27 March 2022