



Affiliated to the University of Kerala Re-accredited with A Grade by NAAC Recognised for STAR College by DBT, Govt. of India



# **BSc CHEMISTRY**

## **PROJECT CERTIFICATES**



Off: 0475-2966973 | Fax: 0475-2275326 ( info@stjohns.ac.in | principal@stjohns.ac.in www.stjohns.ac.in ()

P.B. No.3, Mar Gregorios Nagar, Anchal P.O., Kollam, Kerala - 691 306



## DEPARTMENT OF CHEMISTRY

## CERTFICATE

This is to certify that that dissertation work entitled "Synthesis, Characterization and Photoelectrocatalytic application of NiFe2O4/TiO2 Nanocomposite" here with submitted by Anusree Ramesh (23521138001), Jayalakshmi.D (23521138002) and Jeeva Geevarghese (23521138003) for the partial fulfilment of the requirements for the award of degree of Bachelor of Science in Chemistry of the University of Kerala is an authentic record of work carried out by them under the supervision of Dr. Thomas Mathew, Assistant Professor, Department of Chemistry, St. John's College, Anchal and that no part has been presented before for any other degree.

Dr. Thomas Mathew Assistant Professor Department of Chemistry St. John's College Anchal

Ms.Simi Saju The Head, Department of Chemistry St. John's College Anchal



Signature

Signature

Submitted to the University of Kerala for the award of B.Sc Degree examination, March 2024.

Signature of Examiners:

1: DALIKAWA MAR STAR 2: 01111/15/34

Date:14-05-2024





This is to certify that the project entitled "COMPARISON OF ELECTROCHEMICAL BEHAVIOUR OF AI-Co-Cu MIXED OXIDE SYSTEMS SYNTHESISED BY SOL - GEL AND IMPREGNATION METHOD " is a work done by ABIKRISHNA .S (23521138005, AISWARYA ANIL (23521138006) and AMINA .A. N (23521138007) who are the students of final year (6th Semester) BSc Chemistry, St. John's College, Anchal, in partial fulfilment for the requirements of the award of the degree of Bachelor of Science in Chemistry from University of Kerala and that no part of this project has been submitted earlier or elsewhere for similar purpose.

Ms. Simi Saju Assistant Professor Department of Chemistry St. John's College, Anchal

Ms. Simi Saju The Head, Department of Chemistry St. John's College, Anchal



Signature

Signature

Submitted to the University of Kerala for the award of BSc degree examination, Nale March 2024

Signature of Examiners:

1: 1605 24 2: 1605 24

14.05.2024





This is to certify that the project entitled " Silver incorporated carbon Matrix empeded on NiP pannels for photo and electrocatalytic water splitting " is a work done by Amrutha M S(23521138008), Anagha Ram P S(23521138009) and Arya P S (23521138010) who are the students of final year (6th Semester) BSc Chemistry, St. John's College, Anchal, in partial fulfilment for the requirements of the award of the degree of Bachelor of Science in Chemistry from University of Kerala and that no part of this project has been submitted earlier or elsewhere for similar purpose.

Dr Arun P S Assistant Professor Department of Chemistry St. John's College, Anchal

Ms. Simi Saju The Head, Department of Chemistry St. John's College, Anchal

Signature

Signature

Submitted to the University of Kerala for the award of BSc degree examination, March 2024

Signature of Examiners:

1: Minn Dr. NIKHILDM.P. 1: Brinny Brinky wagher 2: Jobool'24 Brinky wagher

14.05.2024



## DEPARTMENT OF CHEMISTRY

## CERTFICATE

This is to certify that dissertation work entitled "Synthesis and Spectroscopic Evaluation of a Schiff base Ligand and its Manganese (II) Complex" here with submitted by Hentry Thomas (23521138011), Keerthy Krishnan (23521138012) and Lekshmi.R.S (23521138013) for the partial fulfilment of the requirements for the award of degree of Bachelor of Science in Chemistry of the University of Kerala is an authentic record of work carried out by them under the supervision of Dr.Niecy Elsa Mathews, Assistant Professor, Department of chemistry, St.John's College, Anchal and that no part has been presented before for any other degree.

Dr.Niecy Elsa Mathews Assistant Professor Department of Chemistry St.John's College, Anchal

Ms.Simi Saju The Head, Department of Chemistry St.John's College, Anchal



Signature

Signature

Submitted to the University of Kerala for the award of B.Sc Degree examination, March 2024.

Signature of Examiners:

1: 1005 24 Do NIKHILA M. P 1: 16 05 24 Do NIKHILA M. P 2: primy princy varghese No. 10,5 124

Date:14 /05/2024



This is to certify that the project entitled "PHYTOCHEMICAL SCREENING OF AQUEOUS AND ETHANOLIC EXTRACTS OF PULP AND PEEL OF Citrous limonum" is a work done by SREESANTH. S (23521138018), SRUTHILEKSHMI. S (23521138019), SUBIN SAM (23521138020) who are the students of final year (6<sup>th</sup> Semester) BSc Chemistry, St. John's College, Anchal, in partial fulfilment for the requirements of the award of the degree of Bachelor of Science in Chemistry from University of Kerala and that no part of this project has been submitted earlier or elsewhere for similar purpose.

Dr. Vidya Vilas Assistant Professor Department of Chemistry St. John's College, Anchal

Ms. Simi Saju The Head, Department of Chemistry St. John's College, Anchal

Signature

Signature

Submitted to the University of Kerala for the award of BSc degree examination, March 2024 valued.

Signature of Examiners:

1:

Brown Dr. NIKHILA M.P. 16/05/24 Binut Joiney varghere 16/05/24

14.05.2024



DEPARTMENT OF CHEMISTRY

## CERTIFICATE

This is to certify that the project entitled "MOLECULAR DOCKING AND OPTIMIZED GEOMETRY OF ANALGESIC DRUG ACEMETACIN WITH HALOGEN SUBSTITUTION: A DFT STUDY" is a work done by MALAVIKA M (23521138015), NANDANA REJI (23521138016) and SHERLIN ABRAHAM (23521138017) who are the students of final year (6<sup>th</sup> Semester) BSc Chemistry, St. John's College, Anchal, in partial fulfilment for the requirements of the award of the degree of Bachelor of Science in Chemistry from University of Kerala and that no part of this project has been submitted earlier or elsewhere for similar purpose.

Dr. LIJI JOHN Assistant Professor Department of Chemistry St. John's College, Anchal

Ms. Simi Saju The Head, Department of Chemistry St. John's College, Anchal





Signature

Signature

Submitted to the University of Kerala for the award of BSc degree examination, March 2024

Signature of Examiners:

1: Dr. NIKHILA M.P. Dominier 16/05/24 2: poincy varghes fining 16/05/26

Date:



This is to certify that the project entitled "SYNTHESIS AND INSILICO ADME PROFILING OF Cu(II) COMPLEX OF FLAVONE AND 1,2-DIAMINOBENZENE" is a work done by Vishnupriya A (235-21138021), Angel Varghese (235-21138022), Jisna Saji (235-21138023) who are the students of final year (6<sup>th</sup> Semester) BSc Chemistry, St. John'sCollege, Anchal, in partial fulfilment for the requirements of the award of the degree of Bachelor of Science in Chemistry from University of Kerala and that no part of this project has been submitted earlier or elsewhere for similar purpose.

Dr. Sharow Geeth Vincent Assistant Professor Department of Chemistry St. John's College, Anchal

Ms. Simi Saju The Head, Department of Chemistry St. John's College, Anchal



Signature

Signature

Submitted to the University of Kerala for the award of BSc degree examination, March 2024

Signature of Examiners:

Nahreg 1:

16/05/24 2: NIKHILO M.P

Date: