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COLLEGE, ANCHAL

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# BSc CHEMISTRY

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

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

## DEPARTMENT OF CHEMISTRY

### CERTIFICATE

This is to certify that that dissertation work entitled "*Synthesis, Characterization and Photoelectrocatalytic application of NiFe<sub>2</sub>O<sub>4</sub>/TiO<sub>2</sub> 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



Signature

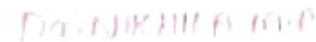
**Ms.Simi Saju**  
The Head, Department of Chemistry  
St. John's College Anchal

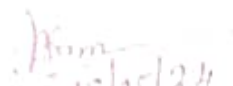


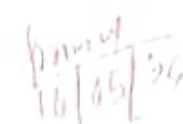
Signature

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

Signature of Examiners:

1: 

  
10/05/24

2:   
10/05/24

Date:14-05-2024

## DEPARTMENT OF CHEMISTRY



### CERTIFICATE

This is to certify that the project entitled "**COMPARISON OF ELECTROCHEMICAL BEHAVIOUR OF Al-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 (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.

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



Signature

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



Signature

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

Signature of Examiners:

*valued*  
1: *P. Anil*  
*16/05/24*

2: *Anm*  
*16/05/24*

*Dr. NIKHILA M.F*

14.05.2024

## DEPARTMENT OF CHEMISTRY



### CERTIFICATE

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



Signature

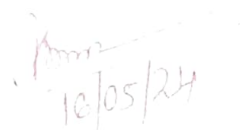
Ms. Simi Saju  
The Head, Department of Chemistry  
St. John's College, Anchal

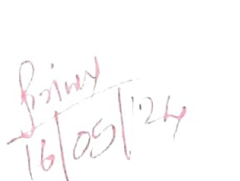


Signature

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

Signature of Examiners:

1:  16/05/24 *DR. NIKHIL M. P.*

2:  16/05/24 *Simi Saju*

14.05.2024



## DEPARTMENT OF CHEMISTRY

### CERTIFICATE

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

Signature

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

Signature

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

**Signature of Examiners:**

1:

Dr. NIKHILA M. P

2:

**Date: 14 /05/2024**

## DEPARTMENT OF CHEMISTRY



### CERTIFICATE

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


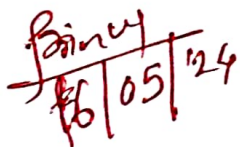
*for*   
Signature

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

  
Signature

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

Signature of Examiners:

*valued .*  
1:  *DR NIKHILA M.P .*  
*16/05/24*  
2:  *Princy vasghere*  
*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 ACETAMINOPHEN 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

Signature

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

Signature

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

Signature of Examiners:

1: Dr. NIKHILA M.P.  
  
16/05/24

2: Poojitha Varghese  
  
16/05/24

Date:

## DEPARTMENT OF CHEMISTRY



### CERTIFICATE

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

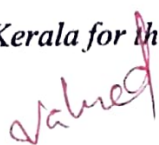
  
13/05/24  
Signature

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

  
Signature

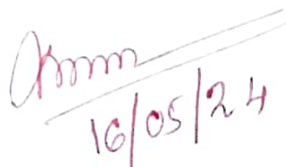
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Dr. NIKHILA M.P