

**Review of the Research Publication
entitled**

**“POLYPYRROLE FUNCTIONALIZED
WITH FePcTSA FOR NO₂ SENSOR
APPLICATION”**

**SUBMITTED TO
THE UNIVERSITY OF CALICUT**

**In partial fulfilment of the requirements
for the degree
BACHELOR OF SCIENCE IN CHEMISTRY**

GROUP 1

**ALEENA ROS THOMAS
ALIYA BENNY
ANNJEWEL BABU
ANUSREE E.A
ANUPA SHYLAN**



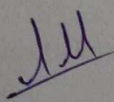
**DEPARTMENT OF CHEMISTRY
SACRED HEART COLLEGE, CHALAKUDY
(Affiliated to University of Calicut)
Chalakudy, Thrissur (Dt.) - 680307**

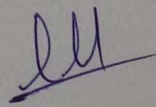
2018–2021

CERTIFICATE

This is to certify that the review of publication entitled "POLYPYRROLE FUNCTIONALIZED WITH FePcTSA FOR NO₂ SENSOR APPLICATION" published in Sensors and Actuators B Chemical journal in the year 2009. The research paper was originally published by the authors Santhosh Paul and Michael Joseph. The present impact factor of the journal is 7.1. The review of publication was carried out by Aleena Ros Thomas, Aliya Benny, Annjewel Babu, Anusree E A and Anupa Shylan.

It is herewith submitted to university of Calicut in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Chemistry during the period of their study in the Department of Chemistry, Sacred Heart College, Chalakudy. This work has not been published or submitted for publication elsewhere as far as our knowledge is concerned.


Dr. Santhosh Paul
Review Supervisor


Head of the Department
Department of Chemistry

Place: Chalakudy

Date:

Submitted for project evaluation held on

Examiners:

1)

2)


Chemistry
S.H. College
Chalakudy

PROJECT REPORT

Lithium Ion Battery

Nobel Prize Winning Research in 2019
SUBMITTED TO

THE UNIVERSITY OF CALICUT

In partial fulfilment of the requirements for the degree

BACHELOR OF SCIENCE IN CHEMISTRY
Group

1. Arpitha.s
2. Monica Antony
3. Mariya Jaison P
4. Liya Joy
5. Aswathy K.J

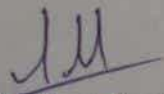


**DEPARTMENT OF CHEMISTRY SACRED HEART
COLLEGE, CHALAKUDY (Affiliated to University of
Calicut) Chalakudy, Thrissur (Dt.) - 680307**
2018-2021

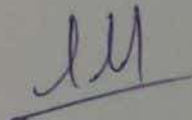
CERTIFICATE

This is to certify that the review of a publication entitled "Lithium Ion Battery" was carried out by Monica Antony, Arpitha S, Liya Joy, Aswathy K. Jand Mariya Jaison P.

It is herewith submitted to university of Calicut in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Chemistry during the period of their study in the Department of Chemistry, Sacred Heart College, Chalakudy. This work has not been published or submitted for publication elsewhere as far as our knowledge is concerned.



Dr. Santhosh Paul
Review Supervisor



Head of the Department
Department of Chemistry



Place: Chalakudy Date:

Submitted for project evaluation held on

Examiners:

- 1)
- 2)

Review of the Research Publication entitled

**“PREPARTION AND CHARACTERIZATION OF
HIGHLY CONDUCTIVE TRANSPARENT FILMS
WITH SINGLE-WALLED CARBON NANOTUBES
FOR FLEXIBLE DISPLAY APPLICATION”**

**SUBMITTED TO
THE UNIVERSITY OF CALICUT**

**In partial fulfilment of the requirements
for the degree
BACHELOR OF SCIENCE IN CHEMISTRY**

GROUP 3

**AKHILA M.S
AMALA ROSE P.R
NANDHA M.R
NEERAJA K.BABU
SURABHI V.S**



**DEPARTMENT OF CHEMISTRY
SACRED HEART COLLEGE, CHALAKUDY
(Affiliated to University of Calicut)
Chalakudy, Thrissur (Dt.) – 680307
2018-2021**

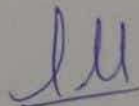
CERTIFICATE

This is to certify that the review of publication entitled "PREPARATION AND CHARACTERIZATION OF HIGHLY CONDUTIVE TRANSPARENT FILMS WITH SINGLE-WALLED CARBON NANOTUBES FOR FLEXIBLE DISPLAY APPLICATION" published by the authors Santhosh Paul and Dong Won Kim. The review of publication was carried out by AKHILA M.S, AMALA ROSE P.R, NEERAJA K.BABU, NANDHA M.R and SURABHI V.S.

It is herewith submitted to university of Calicut in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Chemistry during the period of their study in the Department of Chemistry, Sacred Heart College, Chalakudy. This work has not been published or submitted for publication elsewhere as far as our knowledge is concerned.



Dr. Santhosh Paul
Review Supervisor



Head of the Department
Department of Chemistry

Place: Chalakudy

Date:

Submitted for project evaluation held on

Examiners:

1)

2)



Review of the Research Publicationentitled

**"ELECTROCHEMICAL STUDIES OF TAMSULOSIN
HYDROCHLORIDE USING MULTIWALLED CARBON
NANOTUBE-MODIFIED GLASSY CARBON SENSOR"**

SUBMITTED TO

THE UNIVERSITY OF CALICUT

In partial fulfilment of the requirementsfor the
degree

BACHELOR OF SCIENCE IN CHEMISTRY

GROUP 5

ATHIRA P.N

CHRISTEENA MARY CHACKO

DEVIKA

DIYA

MANYA

MALAVIKA



DEPARTMENT OF CHEMISTRY

SACRED HEART COLLEGE, CHALAKUDY

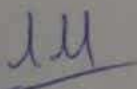
(Affiliated to University of Calicut)Chalakudy,
Thrissur (Dt.) – 680307

2018-2021

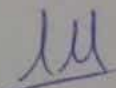
CERTIFICATE

This is to certify that the review of publication entitled "ELECTROCHEMICAL STUDIES OF TAMSULOSIN HYDROCHLORIDE USING MULTIWALLED CARBON NANOTUBE-MODIFIED GLASSY CARBON SENSOR" published in Micro & Nano Letters, received on 22nd July 2011; Revised on 10th October 2011. The review of publication was carried out by ATHIRAP.N,CHRISTEENA MARY CHACKO,DEVIKA,DIYA,MANYA MANIKANDAN ,MALAVIKA.

It is herewith submitted to university of Calicut in partial fulfilment of the requirements for the award of degree of Bachelor of Science in Chemistry during the period of their study in the Department of Chemistry, Sacred Heart College, Chalakudy. This work has not been published or submitted for publication elsewhere as far as our knowledge is concerned.



Dr. Santhosh Paul
Review Supervisor



Head of the Department
Department of Chemistry

Place: Chalakudy

Date:



Submitted for project evaluation held on

Examiners:

1)

2)

PROJECT REPORT

CRYO-ELECTRON MICROSCOPY FOR HIGH -RESOLUTION STRUCTURE DETERMINATION OF BIOMOLECULES IN SOLUTION

Nobel prize winning research in 2017

SUBMITTED TO

THE UNIVERSITY OF CALICUT

In partial fulfillment of the requirements for the degree

BACHELOR OF SCIENCE IN CHEMISTRY

Group

1.Mariya Davis

2.Mayadevi V M

3.Roslin Francis

4.Sandra Jose

5.T S Kavya

6.Viniya Benny



DEPARTMENT OF CHEMISTRY SACRED HEART COLLEGE, CHALAKUDY (Affiliated to
University of Calicut), Thrissur (Dt.)-680307

2018-2021

CERTIFICATE

This is to certify that the review of publication entitled "CRYO ELECTRIC MICROSCOPY"
The review of publication was carried out by MARYA DAVIS, MAYADENI S. DE BORJA,
FRANCIS SANCHEZ, NIGEL S. LAYLA, VISHVA SHINNY

It is here with submitted to University of Calicut in partial fulfillment of the requirements for the
award of degree of Bachelor of Science in Chemistry during the period of their study in the
Department of Chemistry, Sacred Heart College, Chandy. This work has not been published
or submitted for publication else where so far as far knowledge is concerned.


Dr. Santhosh Paul




Head of the department

Department of Chemistry

Review Supervisor

Name

Date

Submitted for Project Evaluation. Held on

Examiners

1.

2.

Review of the Research Publication entitled
“Carbon Nanotube Based Sensor for
Voltammetric Determination of Pyridine-2-
Aldoxime Methochloride”

SUBMITTED TO
THE UNIVERSITY OF CALICUT

In partial fulfilment of the requirements
for the degree
BACHELOR OF SCIENCE IN CHEMISTRY
GROUP IV

ASHITHA RAFEEK
ATHIRA M
ANCY C.P
ANAGHA K.S
ASWINI P.A
ANET BABU



DEPARTMENT OF CHEMISTRY SACRED
HEART COLLEGE, CHALAKUDY

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2018–2021

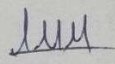
CERTIFICATE

This is to certify that the review of publication entitled "CARBON NANOTUBE BASED SENSOR FOR VOLTAMMERTIC DETERMINATION OF PYRIDINE-2-ALDOXIME METHOCHLORIDE" published in Micro & Nano Letters, received on 8th July 2010; Revised on 18th August 2010. The review of publication was carried out by ANAGHA K. S, ANCY C. P, ANET BABU, ATHIRA M, ASHWINI P. A.

It is hereby submitted to university of Calicut in partial fulfillment of the requirements for the award of degree of Bachelor of Science in Chemistry during the period of their study in the Department of Chemistry, Sacred Heart College, Chalakudy. This work has not been published or submitted for publication elsewhere as far as our knowledge is concerned.

DR. LAINA A. L.
Review Supervisor




Head of the Department

Department of Chemistry

Place: Chalakudy

Date:

Submitted for project evaluation held on:

Examiners:

1)

2)