



**ST. THOMAS COLLEGE**

Ranni, Pathanamthitta, Kerala - 689673

ACCREDITED BY NAAC WITH 'B' GRADE

## **6.5.2. Quality assurance initiatives of the institution**

**Collaborative quality initiatives with other institution(s)**

**2019-2020**

**CRITERION : 6**

**GOVERNANCE, LEADERSHIP  
AND MANAGEMENT**



### 6.5.2. Summary of Functional MoU's/Linkages/Collaborations

2019-2020

| No | MoU/Linkage/Collaboration   | Start Date | End Date   | Nature   |
|----|---|------------|------------|--|
| 1  | Internship for Project work<br>Dept of Chemistry, St. Thomas College Ranni & CUSAT  | 07/05/2020 | 19/07/2020 | MSc Project- Abhishek. P.J under the supervision of Dr. Sunil K.N.Kutty        |
| 2  | Internship for Project work<br>Dept of Chemistry, St. Thomas College Ranni & M.G. University                                | 07/05/2020 | 19/07/2020 | MSc Project- Dayana Sabu under the supervision of Prof. Dr. Sabu Thomas        |
| 3  | Internship for Project work<br>Dept of Chemistry, St. Thomas College Ranni & Common Facility Service Center Changanacherry. | 03/12/2019 | 20/12/2019 | MSc Project- Mariamma Thomas under the supervision of Prof. Dr. M.C.Harikuttan |
| 4  | Internship for Project work<br>Dept of Chemistry, St. Thomas College Ranni & Common Facility Service Center Changanacherry. | 25/04/2019 | 27/05/2019 | MSc Project- Seeba Babu under the supervision of Prof. Dr. M.C.Harikuttan      |
| 5  | Internship for Project work<br>Dept of Chemistry, St. Thomas College Ranni & Common Facility Service Center Changanacherry. | 25/04/2019 | 27/05/2019 | MSc Project- Swathi C.M under the supervision of Dr. M.C.Harikuttan            |
| 6  | Internship for Project work<br>Dept of Chemistry, St. Thomas College Ranni & M.G. University                                | 07/05/2020 | 08/07/2020 | MSc Project- Sona Sebastian under the supervision of Prof. Dr. Sabu Thomas     |
| 7  | Internship for Project work<br>Dept of Chemistry, St. Thomas College Ranni & Common Facility Service Center Changanacherry  | 03/12/2019 | 20/12/2019 | MSc Project- Sreekutty .S under the supervision of Dr. M.C.Harikuttan          |
| 8  | Internship for Project work<br>Dept of Chemistry, St. Thomas College Ranni & CUSAT  | 29/05/2020 | 19/07/2020 | MSc Project- Silpa M. Mathew under the supervision of Dr. Sunil.K.Narayankutty |
| 9  | Internship for Project work<br>Dept of Chemistry, St. Thomas College Ranni & NIT, Calicut                                   | 07/05/2020 | 13/06/2020 | MSc Project- Ms. Varsha .K under the supervision of Dr. Noel                   |



# ST. THOMAS COLLEGE, RANNI

|    |  |            |            |  |
|----|--|------------|------------|--|
|    |  |            |            | Jacob Kaleekal   |
| 10 | <a href="#">Internship for Project work of MSc Physics under Aspire Scholarship</a><br>Dept of Physics, St. Thomas College Ranni & Christian College Chenganoor. | 10/02/2020 | 10/03/2020 | MSc Project under Aspire scholarship Ms. Arundathy Mole under the supervision of Dr. Jayakrishnan. |
| 11 | <a href="#">Internship for Project work of MSc Physics under Aspire Scholarship</a><br>Dept of Physics, St. Thomas College Ranni & Christian College Chenganoor. | 10/02/2020 | 10/03/2020 | MSc Project under Aspire scholarship Ms. Rinku Anuraj under the supervision of Dr. Jayakrishnan.   |
| 12 | <a href="#">Linkage</a><br>Department of Botany and Doddabetta Tea Factory, Ootty  | 09/01/2020 | 09/01/2020 | Industrial Visit   |
| 13 | <a href="#">Linkage</a><br>Department of Commerce and VKC  | 10/01/2020 | 10/01/2020 | Industrial Visit   |
| 14 | <a href="#">Linkage</a><br>Department of Chemistry and Common Facility Service Center Changanacherry   | 28/02/2020 | 28/02/2020 | Industrial Visit   |
| 15 | <a href="#">Linkage</a><br>Department of Botany and CPCRI Kayamkulam   | 26/06/2019 | 26/06/2019 | Industrial Visit   |
| 16 | <a href="#">Linkage</a><br>Department of Zoology and CMFRI   | 11/07/2019 | 11/07/2019 | Industrial Visit   |
| 17 | <a href="#">Collaboration</a><br>Collaboration between Dept of Botany, St. Thomas College Ranni & Ambolil Aryavaidyasala   | 01/10/2019 | 01/10/2020 | Providing plant materials for students for project work/identification of plants                   |
| 18 | <a href="#">Collaboration</a><br>Collaboration between Dept of Botany, St. Thomas College Ranni & Poonkavanam Gardens, Ranni                                     | 07/06/2019 | 07/06/2020 | Providing plant materials for students for project work/identification of plants                   |
| 19 | <a href="#">Memorandum of Understanding</a><br>MoU between Department of History, St Thomas College Ranni and Departments of History of five nearby Colleges.    | 19/11/2019 | 18/11/2024 | Sharing resources and expertise for excellence   |

**ASSESSMENT PERIOD 2017-2022**



# **PROOF FOR LINKAGE PROJECT**

## **LIST OF STUDENTS**

|   |                   |
|---|-------------------|
| 1 | Abhishek P.J      |
| 2 | Dayana Sabu       |
| 3 | Mariamamma Thomas |
| 4 | Seeba Babu        |
| 5 | Swathi CM         |
| 6 | Sona Sebastian    |
| 7 | Sreekutty S       |
| 8 | Silpa M Mathew    |
| 9 | Varsha K          |





ST. THOMAS COLLEGE, RANNI

## PROJECT WORKS

### EXTRACTION OF NANOCELLULOSE FROM COIR FIBERS

Project Report

Submitted to Mahatma Gandhi University, Kottayam

In partial fulfillment of the requirements for the award of the degree of

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

ABHISHEK P. J.

(Reg no: 180011011846)

Department of Chemistry, St. Thomas College, Ranni



Under the Guidance of

Dr. SUNIL K. N. KUTTY

Professor

Department of Polymer Science and Rubber Technology

Cochin University of Science and Technology

JULY 2020



**Department of Polymer Science &  
Rubber Technology**

കോച്ചിൻ - റബ്ബർ ശാസ്ത്രീയ ഗവേഷണ വിഭാഗം

ISO 9001 : 2015 Certified

**Cochin University of Science & Technology**

കൊച്ചി ശാസ്ത്രീയ ഗവേഷണ സർവ്വകലാശാല

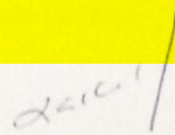
Professor & Head

**CERTIFICATE**

This is to certify that the work embodied in the project entitled '**EXTRACTION OF NANOCELLULOSE FROM COIR FIBERS**' is an authentic record of the research work carried out by Mr. **ABHISHEK P. J.** under my guidance and supervision co-guided by Mrs. Archana Babu in partial fulfillment of the requirements for the degree of Master of Science in Chemistry from Mahatma Gandhi University, Kottayam and that no part of this has been presented elsewhere for any other degree.

Place: Kochi

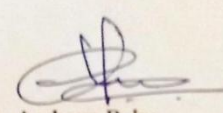
Date: 21.07.2020

  
Prof. Dr. Sunil K. N. Kuty

(Head of the department of Polymer Science  
& Rubber Technology, CUSAT)

For Head  
Dept. of Polymer Science and Rubber Technology  
Cochin University of Science and Technology  
Kochi - 29

Co-guided by,

  
Mrs. Archana Babu



ST. THOMAS COLLEGE, RANNI

**DIFFUSION STUDIES OF GRAPHITE-SILICA HYBRID RUBBER  
COMPOSITES**

*Project report submitted to the Mahatma Gandhi University in partial  
fulfillment of the requirement for the award of the Degree of*

**MASTER OF SCIENCE  
IN  
CHEMISTRY**

By  
**DAYANA SABU**  
Reg. No: 180011011848



**DEPARTMENT OF CHEMISTRY, ST. THOMAS COLLEGE RANNI**

**2018-2020**

Under the guidance of

**Prof (Dr). SABU THOMAS**  
School of Energy Materials, Mahatma Gandhi University, Kottayam







**School of Energy Materials**  
Mahatma Gandhi University  
Polytechnic Centre  
Kottayam 686 560, Kerala, India  
Telephone: 91 9447224555 Website: 91 9447224555

Prof. Dr. SABI THOMAS PhD, PROF  
Director, School of Energy Materials

*Dr. S. Sabar Thomas*  
10/07/2022  
Page No. 6/2022

### CERTIFICATE

This is to certify that the project entitled "DIFFUSION STUDIES ON CARBON- DENDRIMER HYBRID RUBBER COMPOSITES" is an authentic record of the work carried out by the DAYANA SABU (Reg. No. 180010511849), St. Thomas College Ranni, Pathanamthitta, under my guidance and supervision at the School of Energy Materials, Mahatma Gandhi University, Kottayam, Kerala in partial fulfillment of the requirements for the award of the degree of master of science in chemistry from Mahatma Gandhi University, Kerala.

*Prof. Dr. S. Sabar Thomas*



ST. THOMAS COLLEGE, RANNI

# THE EFFECT OF SULFUR IN PHYSICAL PROPERTIES OF NATURAL RUBBER VULCANIZATES

*A project report submitted to the Mahatma Gandhi University in partial  
fulfilment of the requirement for the Degree of Master of Science in  
Chemistry*

By

MARIAMMA THOMAS

Reg.No:180011011849

*Under the supervision of*

Mr.M. C Harikuttan

(Common Facility Service Centre, Department of Industries and Commerce, Changanassery)



DEPARTMENT OF CHEMISTRY

ST.THOMAS COLLEGE

RANNY

2018-2020



ST. THOMAS COLLEGE, RANNI



## Common Facility Service Centre

Department of Industries & Commerce

(ISO 9001:2008 Certified)



No. B/910/2019 (1)

Dated 03/07/2020

This is to certify that

**Ms. MARIAMMA THOMAS**  
(M.Sc. Chemistry)

**of St. Thomas College, Ranni**

has successfully completed various studies under  
the technical supervision of  
Common Facility Service Centre, Changanacherry  
as part of her Project Work on

**"THE EFFECT OF SULPHUR IN PHYSICAL PROPERTIES OF  
NATURAL RUBBER VULCANIZATES"**

during the period from 03/12/2019 to 20/12/2019



  
**ASSISTANT DIRECTOR (TRAINING)**

Industrial Nagar P.O., Changanacherry, Kottayam- 686 106

Phone/ Fax: 0481 2720311, E-mail: cfscchry@gmail.com, cfsc@cfsc.org.in, web: www.cfsc.org.in





**ST. THOMAS COLLEGE, RANNI**

**PHYSICAL PROPERTIES OF NATURAL RUBBER (NR)  
AND  
ACRYLONITRILE BUTADIENE RUBBER NBR BLEND**

*Project report submitted to MG University in partial  
fulfillment of requirement for the award of the  
DEGREE OF MATSER OF SCIENCE IN CHEMISTRY*

*By*

**SEEBA BABU**

**Reg No: 180011011851**

*Under the supervision of*

**Mr. M. C Harikuttan**

**(Common Facility Service Centre, Department of Industries and Commerce)**



**DEPARTMENT OF CHEMISTRY**

**ST. THOMAS COLLEGE**

**RANNY**

**2018-2020**



ST. THOMAS COLLEGE, RANNI



## Common Facility Service Centre

Department of Industries & Commerce

(ISO 9001:2008 Certified)



No. B./392/2019

Dtd: 27/05/2019

**This is to certify that**

**Ms. SEEBA BABU**  
(1<sup>ST</sup> Year M.Sc. Chemistry)

of **ST. THOMAS COLLEGE, RANNI**  
has successfully completed various studies under the main  
guidance of Dr ANSU JACOB, along with technical supervision  
of Common Facility Service Centre, Changanacherry as part of  
her

**Project Work on**

**"PHYSICAL PROPERTIES OF NATURAL RUBBER (NR) &  
ACRYLONITRILE BUTADIENE RUBBER (NBR BLEND)"**

**During the period from 25/04/2019 to 27/05/2019**



**DEPUTY DIRECTOR**

Industrial Nagar P.O., Changanacherry, Kottayam- 686 106

Phone/ Fax: 0481 2720311, E-mail: cfscchry@gmail.com, cfsc@cfsc.org.in, web: www.cfsc.org.in





ST. THOMAS COLLEGE, RANNI

**EFFECT OF CALCIUM CARBONATE ON  
RHEOMETRICAL AND MECHANICAL PROPERTIES  
OF NR-PB**

*A Dissertation Submitted to the Mahatma Gandhi University in Partial Fulfilment of the  
Requirement for the Award of the*

**DEGREE OF MASTER SCIENCE IN CHEMISTRY**

By

**SWATHI C M**

(Reg.No - 180011011855)

*Under the supervision of*

**Mr. M. C Harikuttan**

**(Common Facility Service Centre, Department of Industries and Commerce)**



**DEPARTMENT OF CHEMISTRY**

**ST.THOMAS COLLEGE**



**RANNY**

**2018-2020**

1



ST. THOMAS COLLEGE, RANNI

 **Common Facility Service Centre**  
Department of Industries & Commerce  
(ISO 9001:2008 Certified) 

No. B./392/2019 Dtd: 27/05/2019

**This is to certify that**

**Ms. SWATHI C M**  
(<sup>1<sup>st</sup></sup> Year M.Sc. Chemistry)


of **ST. THOMAS COLLEGE, RANNI**

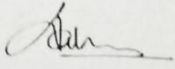
has successfully completed various studies under the main  
guidance of Dr ANSU JACOB, along with technical supervision  
of Common Facility Service Centre, Changanacherry as part of  
her

**Project Work on**

**“EFFECT OF CALCIUM CARBONATE ON RHEOMETRICAL  
AND MECHANICAL PROPERTIES OF NR-PB”**

During the period from 25/04/2019 to 27/05/2019



  
**DEPUTY DIRECTOR**

Industrial Nagar P.O., Changanacherry, Kottayam- 686 106  
Phone/ Fax: 0481 2720311, E-mail: cfscchry@gmail.com, cfsc@cfsc.org.in, web: www.cfsc.org.in



ST. THOMAS COLLEGE, RANNI

**THERMOMECHANICAL STUDIES OF GO-SILICA CONJUGATE  
REINFORCE NATURAL RUBBER NANOCOMPOSITE**

*Project report submitted to the Mahatma Gandhi University in partial  
fulfillment of the requirement for the award of the Degree of*

**MASTER OF SCIENCE  
IN  
CHEMISTRY**

By

**SONA SEBASTIAN**

Reg. No: 180011011853



**DEPARTMENT OF CHEMISTRY, ST. THOMAS COLLEGE RANNI**

**2018-2020**

Under the guidance of

**Prof (Dr). SABU THOMAS**

School of Energy Materials, Mahatma Gandhi University, Kottayam







ST. THOMAS COLLEGE, RANNI



## School of Energy Materials

Mahatma Gandhi University

Priyadarshini Hills

Kottayam-686 560, Kerala, India

Telephone: 91-9447223452 (Mobile), 91-481-2730003 (Office)

Prof. Dr. SABU THOMAS PhD, FRSC  
Director, School of Energy Materials

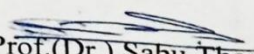
E-mail: sabuthomas@mgmu.ac.in

10/07/2020

Project No: 4-2020

### CERTIFICATE

his is to certify that the project entitled "**THERMOMECHANICAL STUDIES OF GO- SILICA CONJUGATE REINFORCED NATURAL RUBBER NANOCOMPOSITE**" is an authentic record of the work carried out by Ms. SONA SEBASTIAN (Reg. No. 180011011853); St. Thomas college Ranni, Pathanamthitta, under my guidance and supervision at School of Energy Materials, Mahatma Gandhi University, Kottayam, Kerala in partial fulfillment of the requirements for the award of the degree of master of science in chemistry from Mahatma Gandhi University, Kerala.

  
Prof.(Dr.) Sabu Thomas



ST. THOMAS COLLEGE, RANNI

**THE EFFECT OF ACCELERATOR F IN RHEOMETRIC AND  
MECHANICAL PROPERTIES OF  
NR VULCANIZATES**

*A project report submitted to the Mahatma Gandhi University in partial  
fulfilment of the requirement for the Degree of Master of Science in  
Chemistry*

*By*

**SREEKUTTY.S**

**(Reg.No:180011011854)**

*Under the supervision of*

**Mr.M. C Harikuttan**

**(Common Facility Service Centre, Changanassery Department of Industries and Commerce)**



**DEPARTMENT OF CHEMISTRY**

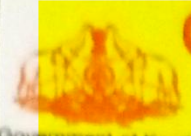


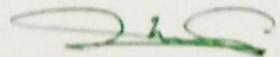
**ST.THOMAS COLLEGE**

**RANNY**

**2018-2020**



ST. THOMAS COLLEGE, RANNI

|  |  |   |
|--|--|---|
| <br>Government of Kerala  | <b>Common Facility Service Centre</b><br><b>Department of Industries &amp; Commerce</b><br>(ISO 9001:2008 Certified)         |  |
| <p>No. B/910/2019 (2) <span style="float: right;">Dated 03/07/2020</span></p>  |  |   |
| <p style="text-align: center;">This is to certify that</p> <div style="text-align: center;"><p><b>Ms. SREEKUTTY.S</b><br/><b>(M.Sc. Chemistry)</b></p><p><b>of St. Thomas College, Ranni</b></p><p>has successfully completed various studies under<br/>the technical supervision of<br/>Common Facility Service Centre, Changanacherry<br/>as part of her Project Work on</p><p><b>"THE EFFECT OF ACCELERATOR IN RHEOMETRIC AND<br/>MECHANICAL PROPERTIES OF NATURAL RUBBER<br/>VULCANIZATES"</b></p><p>during the period from 03/12/2019 to 20/12/2019</p></div> |  |   |
|   | <br><b>ASSISTANT DIRECTOR (TRAINING)</b> |   |
| <p>Industrial Nagar P.O., Changanacherry, Kottayam- 686 106<br/>Phone/ Fax: 0481 2720311, E-mail: cfscchry@gmail.com, cfsc@cfsc.org.in, web: www.cfsc.org.in</p>   |  |   |





**ST. THOMAS COLLEGE, RANNI**

**SYNTHESIS OF POLYANILINE NANOFIBRES**

**PROJECT REPORT**

**TO**

**The Mahatma Gandhi University**

**In the partial fulfillment of the requirements for the  
Award of Degree of Master of Science in Chemistry**

**Done At**

**Polymer Science and Rubber Technology, CUSAT**

**By**

**SILPA M MATHEW**

**Reg no: 180011011852**

**DEPARTMENT OF CHEMISTRY, ST. THOMAS COLLEGE,  
RANNI**



**Under the supervision of**

**Dr. SUNIL K NARAYANANKUTTY**

**HEAD OF THE DEPARTMENT**

**COCHIN UNIVERSITY OF SCIENCE & TECHNOLOGY**



**Department of Polymer Science & Rubber Technology**

പോളിമർ-റബ്ബർ ശാസ്ത്ര സാങ്കേതിക വിഭാഗം

ISO 9001 : 2015 Certified

**Cochin University of Science & Technology**

കൊച്ചി ശാസ്ത്ര സാങ്കേതിക സർവ്വകലാശാല

**Professor & Head**

**CERTIFICATE**

This is to certify that the work embodied in the project entitled '**SYNTHESIS OF POLYANILINE NANOFIBERS**' is an authentic record of the research work carried out by Ms. **SILPA M MATHEW** under my guidance and supervision co-guided by Mrs. Archana Babu in partial fulfillment of the requirements for the degree of Master of Science in Chemistry from Mahatma Gandhi University, Kottayam and that no part of this has been presented elsewhere for any other degree.

Place: Kochi

Date : 21.07.2020

Prof. Dr. Sunil K. N. Kutty

(Head of the department of Polymer Science

& Rubber Technology, CUSAT)

The Head

Dept. of Polymer Science and Rubber Technology,  
Cochin University of Science and Technology  
Kochi - 22

Co-guided by,

Mrs. Archana Babu





**ST. THOMAS COLLEGE, RANNI**

**NANOFILTRATION MEMBRANE FOR DESALINATION**

**PROJECT REPORT**

**TO**

**The Mahatma Gandhi University**

**In the partial fulfillment of the requirements for the  
Award of Degree of Master of Science in Chemistry**

**By**

**VARSHA K**

**Reg no: 180011011856**

**Department of Chemistry, St. Thomas College, Ranni**



**Under the supervision of**

**Dr.Noel Jacob Kaleekkal**

**Asst. Professor, Dept. of Chemical Engineering  
NIT, CALICUT**



**NATIONAL INSTITUTE OF TECHNOLOGY, CALICUT**  
**DEPARTMENT OF CHEMICAL ENGINEERING**

**CERTIFICATE**

This is to certify that the work embodied in the project entitled "NANOFILTRATION MEMBRANE FOR DESALINATION" is an authentic record of the research work carried out by Ms. VARSHA.K under my supervision and guidance in partial fulfillment of the requirements for the degree of Master of Science in Chemistry from Mahatma Gandhi University, Kottayam and further no part of this has been presented elsewhere for any other degree.

PLACE: CALICUT

DATE:

*Noel Jacob*  
15 June 2020  
DR.NOEL JACOB KALEEKKAL

SUPERVISING FACULTY



Dr. NOEL JACOB KALEEKKAL  
Assistant Professor  
Department of Chemical Engineering  
National Institute of Technology Calicut  
Kozhikode - 673601, India.  
Ph.0495-2285463, Email: noel@nitc.ac.in

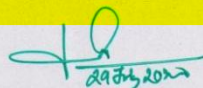


## ST. THOMAS COLLEGE, RANNI

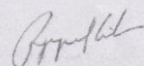
### PROJECT COMPLETION CERTIFICATE

#### FOR ASPIRE SCHOLARSHIP

This is to certify that Smt. ARUNTHATHYMOL ,PG student of ST THOMAS COLLEGE, RANNI, PATHANAMTHITTA affiliated to MAHATHMAGANDHI UNIVERSITY has successfully completed her Aspire Scholarship Project entitled SYNTHESIS AND CHARACTERIZATION OF TiO<sub>2</sub> AND Ag DOPED TiO<sub>2</sub> THIN FILMS AND IT'S APPLICATIONS within the stipulated month from 10-02-2020 to 10-03-2020 under the guidance of Dr.R Jayakrishnan of our(Christian College) institution

  
29.03.2022

(Principal/HOD/Institution)  
**Dr. Johnson Baby**  
PRINCIPAL  
Christian College Chengammar

  
**Dr. R. JAYAKRISHNAN**  
Asst. Professor, Dept. of Physics  
Christian College  
Name: ~~Chengammar~~ 689122  
Kerala, India  
(Guide of Host Institution)



(Principal/HOD/Institution)

Encd:1) Project Report

2) Attendance certificate from parent institution(as per notification dated...)



### CERTIFICATE

This is to certify that the dissertation entitled "SYNTHESIS AND CHARACTERIZATION OF  $\text{TiO}_2$  AND Ag DOPED  $\text{TiO}_2$  THIN FILMS AND IT'S APPLICATIONS" was carried out by **Ms. ARUNTHATHY MOL (180011019596)** at Photovoltaic Research laboratory, Christian College, Chengannur under the guidance of Dr. R. Jayakrishnan, Assistant Professor, Department of Physics, Christian College, Chengannur and Smt. Anju Joseph, Department of Physics, St. Thomas College, Ranni in partial fulfillment for the degree of masters in science during the year 2018-2020 of Mahatma Gandhi University, Kottayam.

Project Guides

Smt. Anju Joseph

(Internal Guide)

Department of Physics

St. Thomas College, Ranni

Dr. R. Jayakrishnan

(External Guide)

Department of Physics

Christian College,  
Chengannur

External Examiner

1. Dr. Maryfeath Jency Tane
2. Anju Joseph, Anj





## ST. THOMAS COLLEGE, RANNI

(FOR ASPIRE SCHOLARSHIP)

This is to certify that Smt RINKU ANU RAJU PG student of ST THOMAS COLLEGE, RANNI, PATHANAMTHITTA affiliated to MAHATHMAGANDHI UNIVERSITY has successfully completed her Aspire Scholarship Project entitled PHOTOCATALYTIC ACTIVITY OF  $\text{TiO}_2$  AND Ag DOPED  $\text{TiO}_2$  NANOPARTICLES within the stipulated month from 10-02-2020 to 10-03-2020 under the guidance of Dr R Jayakrishnan of our(Christian College) institution

(Principal/HOD/Institution)

**Dr. Johnson Baby**  
PRINCIPAL  
Christian College Chengannur

**Dr. R. JAYAKRISHNAN**  
Asst. Professor, Dept. of Physics  
Christian College  
Name & Designation: 659122  
Kerala, India  
(Guide of Host Institution)



(Principal/HOD/Institution)

End:1) Project Report

2) Attendance certificate from parent institution(as per notification dated.....)



**CERTIFICATE**

This is to certify that the dissertation entitled "PHOTOCATALYTIC ACTIVITY OF  $\text{TiO}_2$  AND Ag DOPED  $\text{TiO}_2$  NANOPARTICLES" was carried out by **Ms.RINKU ANU RAJU** (180011019604) at Photovoltaic Research laboratory, Christian College, Chengannur under the guidance of Dr. R. Jayakrishnan, Assistant Professor, Department of Physics, Christian College Chengannur and Smt.Anju Joseph, Department of Physics, St.Thomas College, Ranni in partial fulfillment for the degree of masters in science during the year 2018-2020 of Mahatma Gandhi University, Kottayam.

Project Guides

Smt. Anju Joseph

(Internal Guide)

Department of Physics

St.Thomas College, Ranni

Dr.R.Jayakrishnan

(External Guide)

Department of Physics

Christian College  
Chengannur

External Examiner

1. Marykutty Jenny Tash
2. Anju Joseph



**ST. THOMAS COLLEGE, RANNI**

# **PROOF FOR LINKAGE INDUSTRIAL VISIT**



INDUSTRIAL VISIT

# Doddabetta Tea Factory And the Tea Museum



## INDUSTRIAL VISIT CERTIFICATE

This is to certify that students of St. Thomas College,  
Dept. of B. Com, Ranni, Palthanamthitta, Kerala  
visited The Doddabetta Tea Factory and the Tea Museum on 9/01/2020

They were given first hand information of the entire tea history and processing. They participated in a guided factory tour in which the history of tea and the different stages of tea processing like withering, crushing, cutting / tearing, curling (CTC), shaping, fermentation, drying, cleaning and grading were explained to them. The students evinced keen interest in knowing all aspects about tea manufacture.

Place : Udhagamandalam

Date : 09.01.2020



  
Authorised Signatory





**VKC GROUP**  
DIVISION II

7/330 D, VKC TOWER, KOLATHARA P.O.  
CALICUT - 673 655. PH: 0495 -2482112  
FAX: 2482412. E-mail:info@vkcgroupp.org

DATE: 10.01.2020

TO WHOM EVER IT MAY CONCERN

This is to certify that 2<sup>nd</sup> year B.Com students of St. Thomas. College, Ranni has made an industrial visit to Smartak Footcare Pvt. Ltd. As part of their academic curriculum on 10<sup>th</sup> January 2020, and also interacted with our factory personnel.

The details of the students has been attached with this letter.

All the best.

For VKC GROUP DIVISION- II

  
Edwin James,  
General Manager – HR



LIST OF STUDENTS

**STUDENTS**

|                           |                           |                       |
|---------------------------|---------------------------|-----------------------|
| 1. ABIN.P.BIJU            | 20. AKSA BIJU             | 39.SANE SAJI          |
| 2. ANCIYA.MOL             | 21. ALBIN DOMINIC         | 40.SANIYA P S         |
| 3. ANJALI.S               | 22. ALMA ALEX             | 41.SHAMON             |
| 4. ASWATHY P.R            | 23. ANEESHA BALAKRISHNAN  | 42.SHEREENA           |
| 5. ATHIRA NAIR            | 24. ANGEL. MERLIN. MATHEW | 43.SNEHA PRASAD       |
| 6. ATHIRA.T. VIJAY. KUMAR | 25. ANSA . ACHU.TOMY      | 44.SNEHA S            |
| 7. GOPIKA.PRASAD          | 26.APARNA.P.SHIBU         | 45.SREEKUTTY          |
| 8. JOJIN .MATHEW.THOMAS   | 27.ASHA.LIYA.MATHEW       | 46.STEBIN MON MARKOSE |
| 9. KAMAL. HARICHANDRAN    | 28.ASWIN MANOJ            | 47.TIMIYA BIJU        |
| 10. LEKSHMI DILEEP        | 29.ELSA.C.JOHN            | 48.TOM THOMAS         |
| 11. RADHULAKSHMI. T.R     | 30.GOPIKA .V.S            |                       |
| 12. SMISHA. MOL           | 31.GOURIPRIYA             |                       |
| 13. SREERAJ               | 32.KESAV DEV              |                       |
| 14. SREETHUMOL            | 33.MARIA K MANOJ          |                       |
| 15. SUJI MOL              | 34.NEEMA K MANOJ          |                       |
| 16. ABDUL BASITH          | 35.NICHZA MARIAM SKARIAH  |                       |
| 17. ABHIN RAJ             | 36.NITHYA THOMAS          |                       |
| 18. ADERSH SURESH         | 37.PRATHIBHA P            |                       |
| 19. AJMAL KHAN            | 38.RADHIKAMOL M R         |                       |





## INDUSTRIAL VISIT CHEMISTRY DEPARTMENT

### INTRODUCTION

In accordance with the curriculum of Mahatma Gandhi University Kerala, an Industrial Visit was conducted on 28/02/2020 to Common Facility Service Centre (CFSC), Changanassery. The one day visit consist of 26 students along with two supervising teachers of the Chemistry Department of St. Thomas College Ranni.

Under the guidance of Asst. Prof. Dr. Mathew Kuruvilla and Asst. Prof. Bincy Francis, the final year Chemistry students were able to conduct and successfully complete their industrial visit. We choose CFSC as our place of interest because it functions directly under the Department of Industries and Commerce, Govt. of Kerala, to assist and aid upcoming entrepreneurs particularly in the fields of rubber and plastic. Moreover the students could learn more about manufacturing and processing of various rubber and plastic products beyond the book.






**REPORT OF INSTITUTE VISIT CPCRI, KAYAMKULAM**

**DEPARTMENT OF BOTANY**

CPCRI, Kayamkulam was established in 1948 by the Indian Central Coconut Committee. The Indian Council of Agricultural Research (ICAR) took over the administrative control of CCRS from 1966 following the abolition of the Commodity Committees. The Central Plantation Crops Research Institute (CPCRI) is a renowned research institute under the Indian Council of Agricultural Research (ICAR), Ministry of Agriculture, Government of India. CPCRI has six regional centers. Kayamkulam CPCRI is one of those centers.

On 26th June 2019, our 3<sup>rd</sup> semester students visited CPCRI, Kayamkulam. Botany department head Dr. Devi Priya M., and Dr. Asha Saji, Assistant Professor (on contract) accompanied the students. We were welcomed and Dr. Rajeev Gopinath guided us. The nursery visit helped us to know about various coconut varieties. Dr. Joseph Raj Kumar, Principal Scientist (Agrl. Entomology), and Dr. Joseph, Scientist in Entomology Division demonstrated his experimental plot regarding intercropping.

  
DEVI PRIYA M.  
Assistant Professor of Botany  
St. Thomas College  
Pazhavangadi P. O. Ranni - 689 673  
Pathanamthitta  
E-mail: devi.priya.m@gmail.com







**VISIT TO CPCRI, KAYAMKULAM.**



**Class by Resource person, CPCRI, Kayamkulam**



### LIST OF STUDENTS

The Department of Botany is conducting one day industrial visit for 3<sup>rd</sup> Semester Botany students on 26<sup>th</sup> June 2019 to CPCRI, Kayamkulam and a field trip to Ayiramthengu near Ochira to understand the ecological significance of the Mangrove ecosystem. The list of students and accompanying staffs are given below

| Sl No | Name             | Gender | DOB        |
|-------|------------------|--------|------------|
| 1     | Akhil S Kumar    | M      | 25.07.2000 |
| 2     | Anina P Varghese | F      | 25.07.2000 |
| 3     | Anju Mohanan     | F      | 04.01.1999 |
| 4     | Athira Sunil     | F      | 11.04.2000 |
| 5     | Bilal Mujeeb     | M      | 04.04.1999 |
| 6     | CS Sreevani      | F      | 07.10.2000 |
| 7     | Hasbi Shaji      | F      | 23.05.2000 |
| 8     | Radhika          | F      | 19.10.2000 |
| 9     | Ronymol Roy      | F      | 25.04.2000 |
| 10    | Saida Kabir      | F      | 14.12.1999 |
| 11    | Subin Suresh     | M      | 17.03.2000 |
| 12    | Vidya Shylajan   | F      | 10.04.2001 |
| 13    | Anakha Suresh    | F      | 13.12.1999 |
| 14    | Anjitha AK       | F      | 05.12.2000 |
| 15    | Anju C.S.        | F      | 08.08.2000 |
| 16    | Arya Mol KR      | F      | 19.08.2000 |
| 17    | Joel Suresh      | M      | 19.06.2000 |
| 18    | Litha Mathew     | F      | 13.03.1987 |
| 19    | Mariya Thomas    | F      | 07.06.1999 |
| 20    | Megha G Nair     | F      | 24.03.2000 |
| 21    | Mithra Mohan     | M      | 18.08.1999 |
| 22    | Revathy KS       | F      | 05.04.2000 |
| 23    | Sandra Benny     | F      | 18.10.2000 |
| 24    | Sandra Sathyan   | F      | 31.07.1999 |
| 25    | Sandra Shaji     | F      | 04.06.2000 |
| 26    | Shiji Shaji      | F      | 18.04.2000 |
| 27    | Sruthy Rajeevan  | F      | 24.09.2000 |

List of Teaching Staff/Non-Teaching staff

1. Dr. Devi Priya M.
2. Dr. Asha Saji



Principal

Prof. Dr. Lata Marina Varghese  
Principal  
St. Thomas College, Ranni

**DEPARTMENT OF ZOOLOGY  
ST. THOMAS COLLEGE, RANNI**

Pazavangadi P.O. Ranni-689673, Kerala.

[Affiliated to Mahatma Gandhi University, Kottayam, Kerala]

Dated...05-07-2019

To

The Director,  
Central Marine Fisheries Research Institute,  
P.B. No. 1603, Kochi-682806.

Sir,

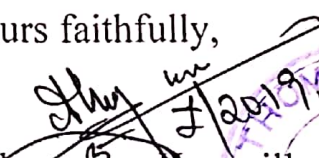
**Sub:** Institutional visit of Second & Final Year B. Sc Zoology Main students of this College – To give permission to visit to your Institute on 11-7-2019 regarding -

In connection with the above field study, kindly give us permission to visit your Institute to study the various aspects of aquaculture. We would like to visit the Museum, aquarium, Central lab and electron microscope as part of their curriculum. The visiting tour party consists of 45 students and 2 Staff members of the Zoology Department.


The approximate time of arrival is at 10.00 am on 11-07-2019. Kindly do the needful.

Thanking you,

Yours faithfully,

  
Dr. Aleyamma Kuruvilla  
Head of the department



  
Prof. Dr. Lata Marina Varghese  
Principal  
St. Thomas College, Ranni



# केन्द्रीयसमुद्रीमात्स्यिकीअनुसंधानसंस्थान

(भारतीयकृषिअनुसंधानपरिषद)

[कृषिअनुसंधानएवंशिक्षाविभाग, कृषिमंत्रालय, भारतसरकार]

## Central Marine Fisheries Research Institute

(Indian Council of Agricultural Research)

[Department of Agricultural Research and Education, Ministry of Agriculture, Govt. of India]



पोस्टबोक्ससं. 1603, एरणाकुलमनोर्त्पी.ओ., कोच्ची- 682018, केरल, भारत

Post Box No. 1603, Ernakulam North P.O., Kochi - 682018, Kerala, India

Phone: 91 484 2394867/2391407 Fax: 91 484 2394909/2396685 Email: director@cmfri.org.in Web: www.cmfri.org.in

F.No. 20/2018-19/ATIC/SEETTD

Date: 08/07/2019

From

Dr. V P Vipinkumar  
Manager ATIC  
CMFRI Kochi-18

To

The Principal,  
St Thomas College  
Pazavangadi P O  
Ranni

Sir,

Ref: Your communication /e-mail/ enquiry dated 05/07/2019

With reference to the communication cited above, I am directed to convey the permission of Director, CMFRI to visit your team to CMFRI on **11.07.2019 at 10.00am**. Subject to the following conditions:-

1. The students will be charged an entrance fee @ Rs. 10/- per head and the faculties/adults @ Rs. 20/- per head.
2. On arrival of your team at CMFRI please report to the Reception counter.
3. On arrival, please bring a hard copy of this permission – letter.

You will be permitted to visit only the Marine Biodiversity Museum & Aquarium. In case you are in need of any clarifications /information etc. please contact Mr.K.M.David (Contact No. 09539749915) or, Mr.Vysakhan P (Contact No.9656803993). Kindly send your confirmation at the very earliest.

Thanking you,

Yours faithfully,

(Sign)

Dr. V P Vipinkumar





Study tour @ Central Marine Fisheries Research Institute, Cochi





Mangala Vanam Bird Sanctuary and Mangrove ecosystem, Cochin





ST. THOMAS COLLEGE, RANNI

Collaboration between Department of Botany, St. Thomas College, Ranni and Ambolil Aryavaidyasala



**St. Thomas College, Ranni**

**PAZHAVANGADI P.O., RANNI, KERALA, INDIA - 689 673**

**Re-Accredited at B Level by NAAC**

**(Affiliated to Mahatma Gandhi University, Kottayam, Kerala)**

e-mail:- stcranni@gmail.com, www.stc.ranni.ac.in

Ph : 8301057965

01.10.2019

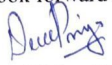
Date: .....

### Collaborative Agreement

Department of Botany, St. Thomas College, Ranni appreciates the opportunity to collaborate with Ambolil Aryavaidyasala, Puthuval Pathanapuram, Pathanamthitta-689695 (An ISO 9001:2015), in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both St. Thomas College, Ranni, and Ambolil Aryavaidyasala shall encourage interaction between faculty members and students. Ambolil Aryavaidyasala will provide plant materials for the students of botany for their project work and the college will provide technical guidance in the form of proper identification of plants for the collaborating partner.

The duration of the agreement shall be for a period of 1 year from the effective date. During this tenancy, the agreement may be extended or terminated by prior notice of not less than one month by either party. There are no binding commitments placed on either party by virtue of this collaboration.

We look forward to this collaboration.

  
Dr. Devi Priya M.  
Department of Botany  
St. Thomas College, Ranni

  
Dr. Oommen Mathew BAMS  
Proprietor





## ST. THOMAS COLLEGE, RANNI

Collaboration between Ambolil Aryavaidyasala and Department of Botany,  
St. Thomas college, Ranni



GST IN:32AGSPM5610J1Z9

Ph: 04734 299958  
9497489284

### AMBOLIL ARYAVAIDYASALA

PUTHUVAL, PATHANAPURAM P.O - 689 695  
Manufacturing L.No: 30/25D/96

Ref:

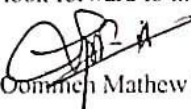
Date..... 01.10.2019


#### Collaborative Agreement

Ambolil Aryavaidyasala, Puthuval, Pathanapuram, Pathanamthitta-689695 (An ISO 9001:2015) appreciates the opportunity to collaborate with Department of Botany, St. Thomas College, Ranni in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which Ambolil Aryavaidyasala and St. Thomas College, Ranni shall encourage interaction between faculty members and students. Ambolil Aryavaidyasala will provide plant materials for the students of botany for their project work and the college will provide technical guidance in the form of proper identification of plants for the collaborating partner.

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We look forward to this collaboration.

  
Dr. Oommen Mathew BAMS  
Proprietor

  
Dr. Devi Priya M.  
Department of Botany  
St. Thomas College, Ranni







ST. THOMAS COLLEGE, RANNI

Collaboration between Department of Botany and Poonkavanam Gardens, Ranni



**St. Thomas College, Ranni**

**PAZHAVANGADI P.O., RANNI, KERALA, INDIA - 689 673**

**Re-Accredited at B Level by NAAC**

**(Affiliated to Mahatma Gandhi University, Kottayam, Kerala)**

e-mail:- stcranni@gmail.com, www.stc.ranni.ac.in

Ph : 8301057965

Date: 07.06.2019.....

#### Collaborative Agreement

Department of Botany, St. Thomas College, Ranni appreciates the opportunity to collaborate with Poonkavanam Gardens, College Road, Pazhavangadi PO, Ranni, in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both St. Thomas College, Ranni, and Poonkavanam Gardens shall encourage interaction between faculty members and students. Poonkavanam Gardens will provide plant materials for the students of botany for practical and project work and the college will provide technical guidance for nursery management for the collaborating partner.

The duration of the agreement shall be for a period of 1 year from the effective date. During this tenancy, the agreement may be extended or terminated by prior notice of not less than one month by either party. There are no binding commitments placed on either party by virtue of this collaboration.

We look forward to this collaboration.

  
Dr. Devi Priya M.

Department of Botany  
St. Thomas College, Ranni





ST. THOMAS COLLEGE, RANNI

Collaboration between Poonkavanam Gardens and Department of Botany,  
St. Thomas college, Ranni

## POONKAVANAM GARDENS

COLLEGE ROAD, PAZHAVANGADI PO, RANNY

e-mail:surshmanchini@gmail.com

Ph: 9400119940

07.06.2019

### Collaborative Agreement

Poonkavanam Gardens, College Road, Pazhavangadi PO, Ranny appreciates the opportunity to collaborate with Department of Botany, St. Thomas College, Ranny in consideration of the mutual promises made herein and of good and valuable consideration, the receipt and sufficiency of which both Poonkavanam Gardens and St. Thomas College, Ranny shall encourage interaction between faculty members and students. The college will provide technical guidance for nursery management for the collaborating partner and the Poonkavanam Gardens will provide plant materials for the students of botany for practical and project work.

The duration of the agreement shall be for a period of 1 year from the effective date. During this tenancy, the agreement may be extended or terminated by prior notice of not less than one month by either party. There are no binding commitments placed on either party by virtue of this collaboration.

We look forward to this collaboration.

Mr. Suresh Nicholas Manichini  
Proprietor



Dr. Devi Priya M.

Department of Botany  
St. Thomas College, Ranni





# Department of Botany

## St. Thomas College

Pazhavangadi P.O., Ranni, Pathanamthitta- 689673

E-mail – [botanydeptstcranni@gmail.com](mailto:botanydeptstcranni@gmail.com)

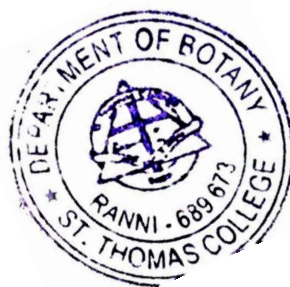
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31.03.2020  
Date .....

### CERTIFICATE

This is to certify that Ambolil Aryavaidyasala, Puthuval, Pathanapuram provided the plant materials necessary for the project works of the students during the year 2019-20.

**DEVIPRIYA M.**  
Assistant Professor of Botany  
St. Thomas College  
Pazhavangadi P.O, Ranni - 689 673  
Pathanamthitta  
E-mail: [devi.priya.m@gmail.com](mailto:devi.priya.m@gmail.com)





# Department of Botany

## St. Thomas College

Pazhavangadi P.O., Ranni, Pathanamthitta- 689673

E-mail – [botanydeptstcranni@gmail.com](mailto:botanydeptstcranni@gmail.com)

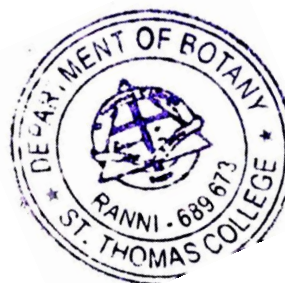
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Date 31.03.2020 .....

### CERTIFICATE

This is to certify that Poonkavanam Gardens provided the plant materials necessary for the conducting practicals for the students during the academic year 2019-20

**DEVIPRIYA M.**  
Assistant Professor of Botany  
St. Thomas College  
Pazhavangadi P.O, Ranni - 689 673  
Pathanamthitta  
E-mail: [devi.priya.m@gmail.com](mailto:devi.priya.m@gmail.com)





# Evaluation of selected herbal extracts for hair dyeing properties

## Dissertation

Submitted to the Mahatma Gandhi University, Kottayam  
in partial fulfillment of requirements for the award of  
**BACHELORS DEGREE IN BOTANY**

BY

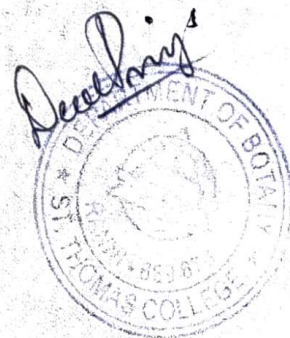
**ANUJA RAJAN**  
(Reg. No 170021024726)



DEPARTMENT OF BOTANY  
ST. THOMAS COLLEGE,  
RANNY, PATHANAMTHITTA, KERALA

March 2020

*Valued  
Declaration*  
*[Signature]*





**Morphological and Anatomical Characterization of  
*Cyclea peltata* Hook P and Thomas**

*Dissertation*

*submitted to the Mahatma Gandhi University  
in partial fulfilment of the requirements for the degree of  
Bachelor of Science in Botany*

**BY**

**ASHNA A.R**

**DEPARTMENT OF BOTANY**

**ST. THOMAS COLLEGE, RANNI**

**PATHANAMTHITTA**

*Valued  
Dewberry  
VR*



**Morphological and Anatomical Characterization of  
*Cyclea peltata* Hook P and Thomas**

*Dissertation*

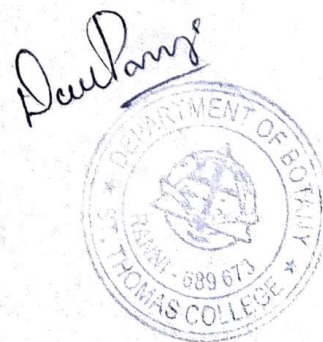
*submitted to the Mahatma Gandhi University  
in partial fulfilment of the requirements for the degree of  
Bachelor of Science in Botany*

BY

**AYSWARYA.M**

**DEPARTMENT OF BOTANY  
ST. THOMAS COLLEGE, RANNI  
PATHANAMTHITTA**

*Valued  
Dissertation  
VP*





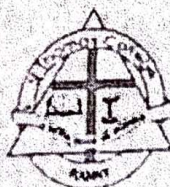
# Evaluation of selected herbal extracts for hair dyeing properties

## Dissertation

Submitted to the Mahatma Gandhi University, Kottayam  
in partial fulfillment of requirements for the award of  
**BACHELORS DEGREE IN BOTANY**

BY

**BASIL GRACE ELIYAS**  
(Reg. No. 170021024731)

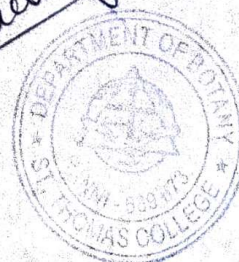


DEPARTMENT OF BOTANY  
ST. THOMAS COLLEGE,  
RANNY, PATHANAMTHITTA, KERALA

March 2020

*Valued  
Secretary*  
*KG*

*Director*





# **Qualitative Screening of Aqueous Extracts of Patha Dwaya**

*Dissertation*

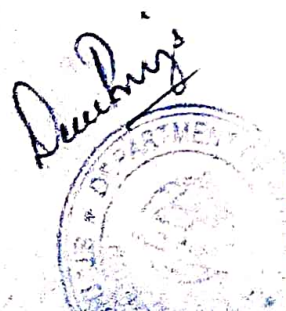
*submitted to the Mahatma Gandhi University  
in partial fulfilment of the requirements for the degree of  
Bachelor of Science in Botany*

**BY**

**FATHIMA . M**

**DEPARTMENT OF BOTANY  
ST. THOMAS COLLEGE, RANNI**

*Valued  
Receipt  
VB*



**Qualitative Screening of  
Aqueous Extracts of Patha Dwaya**

*Dissertation*

*submitted to the Mahatma Gandhi University  
in partial fulfilment of the requirements for the degree of  
Bachelor of Science in Botany*

**BY**

**HARILEKSHMI M**

**DEPARTMENT OF BOTANY**

**ST. THOMAS COLLEGE, RANNI**

*Valued  
Dwelling  
V6*

*Dwelling's*

# **Evaluation of selected herbal extracts for hair dyeing properties**

## **Dissertation**

**Submitted to the Mahatma Gandhi University, Kottayam  
in partial fulfillment of requirements for the award of  
BACHELORS DEGREE IN BOTANY**

**BY**

**JINUMOL P. G (Reg. No 170021024740)**



**DEPARTMENT OF BOTANY  
ST. THOMAS COLLEGE,  
RANNY, PATHANAMTHITTA, KERALA**

**March 2020**

*Valued  
Signature*

*Signature*



# **Evaluation of selected herbal extracts for hair dyeing properties**

## **Dissertation**

**Submitted to the Mahatma Gandhi University, Kottayam  
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BACHELORS DEGREE IN BOTANY**

**BY**

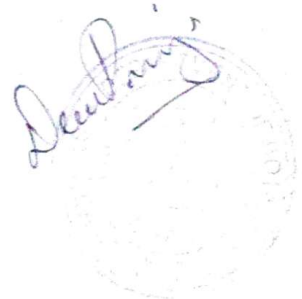
**LEKSHMI OMANAKUTTAN**  
(Reg. No 170021024743)



**DEPARTMENT OF BOTANY  
ST. THOMAS COLLEGE,  
RANNY, PATHANAMTHITTA, KERALA**

**March 2020**

*Valued  
Dew Pring*  
✓





**Qualitative Screening of  
Aqueous Extracts of Patha Dwaya**

*Dissertation*

*submitted to the Mahatma Gandhi University  
in partial fulfilment of the requirements for the degree of  
Bachelor of Science in Botany*

**BY**

**RENU V SOMAN**

*Valued  
Dwipongy*  
*VS*

**DEPARTMENT OF BOTANY  
ST. THOMAS COLLEGE, RANNI**



*Dwipongy*

**Morphological and Anatomical Characterization of  
*Cyclea peltata* Hook P and Thomas**

*Dissertation*

*submitted to the Mahatma Gandhi University*

*in partial fulfilment of the requirements for the degree of*

*Bachelor of Science in Botany*

**BY**

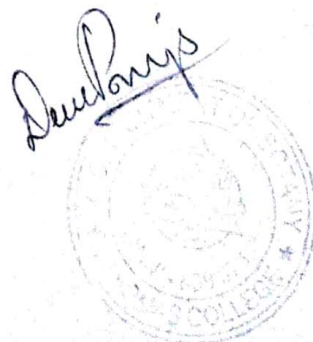
**RESIYA ZAKHEER**

**DEPARTMENT OF BOTANY**

**ST. THOMAS COLLEGE, RANNI**

**PATHANAMTHITTA**

*valued  
Daulani's*  
VG



**Morphological and Anatomical Characterization of  
*Cyclea peltata* Hook P and Thomas**

*Dissertation*

*submitted to the Mahatma Gandhi University*

*in partial fulfilment of the requirements for the degree of*

*Bachelor of Science in Botany*

**BY**

**SWETHA SATHEESH**

**DEPARTMENT OF BOTANY**

**ST. THOMAS COLLEGE, RANNI**

**PATHANAMTHITTA**

valued  
Doubt  
1/6

Doubt





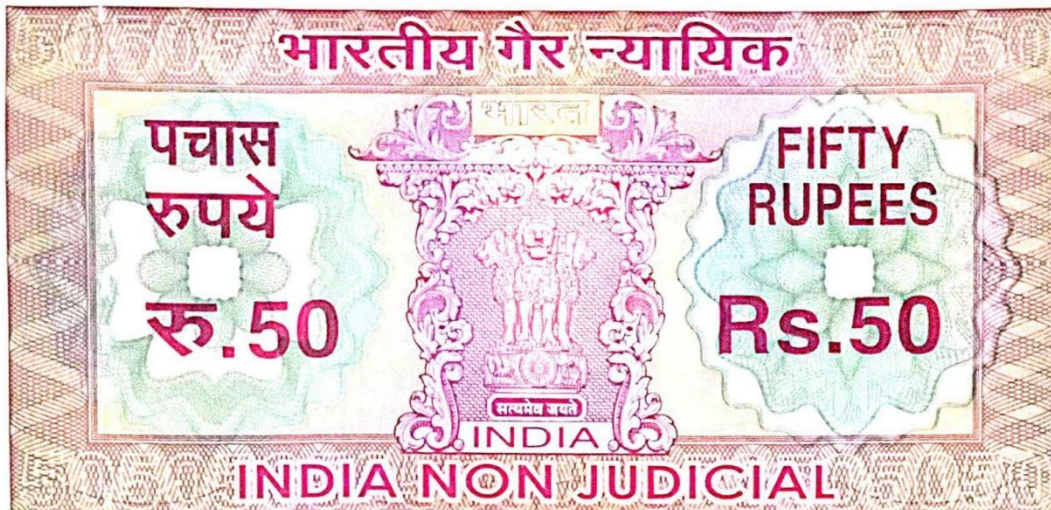
**ST. THOMAS COLLEGE, RANNI**

# **PROOF FOR MoU**





MoU signed between Department of History, St. Thomas College, Ranni with five neighbouring Colleges



കേരളം KERALA

BW 633654

**Memorandum of Understanding  
for Academic Collaboration  
in  
Sharing Resources and Expertise for Excellence (SREE)  
Among  
St Thomas College Palai, St Dominic's College Kanjirapally,  
St Thomas College Ranni, Alphonsa College Palai and  
Henry Baker College Melukavu**

The Memorandum of Understanding (hereinafter MOU) is made on the 19<sup>th</sup> day of November 2019 among St Thomas College Palai, who shall be the first party, St Dominic's College Kanjirapally, who shall be the second party, St Thomas College Ranni, who shall be the third party, Alphonsa College Palai, who shall be the fourth party and Henry Baker College, Melukavu, who shall be the fifth party under which the Departments of History of these five colleges shall extend their resources and expertise and organize and conduct four academic lectures on selected topics from syllabi in each of the five colleges every year.

Whereas, each of the five parties shall extend the free usage of the resources of their respective Departments for the benefit of the other four.

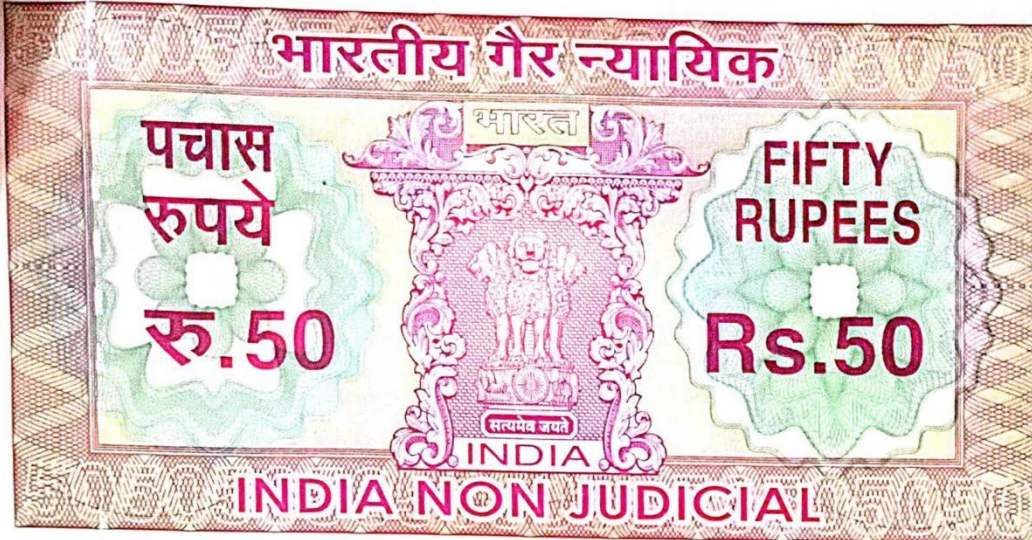
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NO: 3684  
18/11/2019  
RSD/Principal  
Alphonsa College  
Athunpuzam P.O. Palai.

*[Signature]*  
9/11/2019

*[Signature]*  
Bernadette Verdon  
K. V. Kalliyani

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Whereas the teachers of the Departments of History in these five colleges shall come together, discuss the emerging trends and new developments in the subject and update their knowledge,

Whereas the students of these departments shall be exposed to the novel trends in the subject and deeper aspects of the selected topics,

Whereas the students shall develop research attitude in the subject,

Whereas, each of the five parties shall organize one academic lecture delivered by one teacher from each of the other four colleges a year.

This MOU serves as a legal document for the five parties to share and exchange knowledge.

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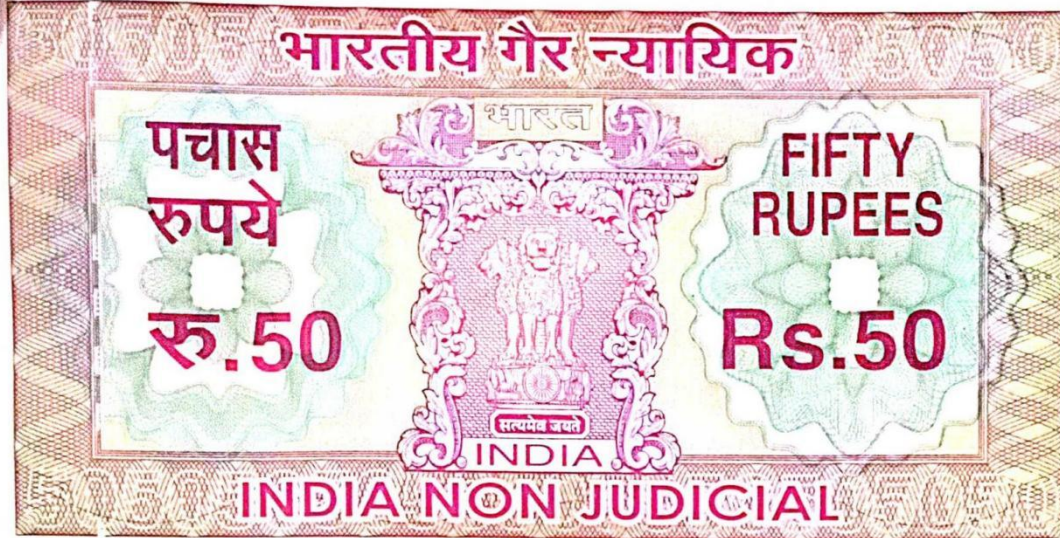
NA 3685  
18/11/2019  
Dr. Principal  
Alphonsa College  
Athunapuzam P.O. Palghat

*[Signature]*  
19/11/2019

*[Signature]*  
Munachi Varghese  
K.V. Kalliyani

24 OCT 2019





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Now, therefore, St Thomas College Palai, St Dominic's College Kanjirapally, St Thomas College Ranni, Alphonsa College Palai, and Henry Baker College, Melukavu hereby enter into an agreement to be mutually adhered to by all the five parties whose terms and conditions are given below.

1. The academic lectures shall be conducted in all the five colleges separately for the History students of each college or elsewhere as the situation may demand.
2. When the event is conducted in any of the five colleges, the infrastructural facilities necessary for the conduct of the same shall be provided by the host.
3. In this case, there shall be no TADA to be paid to the teacher who serves as the Resource Person and the same shall be borne by him/herself.
4. Joint events can be organized.
5. In case a joint event is conducted in any of the five colleges, infrastructural facilities shall be provided by the host college free of cost and the rest of the expenses shall be shared equally by all the five parties.

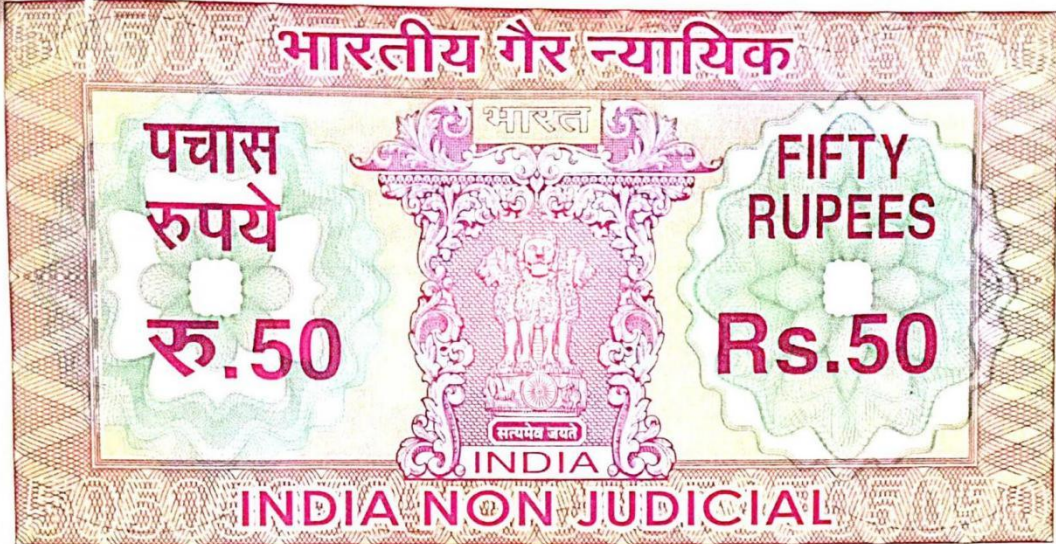
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no. 3686  
18/10/2019  
Principal  
Alphonsa College  
Arunapuram P.O. Pala

*[Signature]*  
Principal

*[Signature]*  
Bernadette Varghese  
K. V. Kalliyani

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6. In case any joint event is conducted in a venue other than the five colleges, all the expenses shall be shared proportionally.
7. This MoU shall be valid for five years from the date of signing of this agreement. After the said period it may be renewed for further period by mutual consent of both parties.
8. In case any one of the parties wishes to leave the MoU before the completion of five years, it can be done on the last day of the academic year after intimating all the other parties in the MoU in written at least three months in advance.
9. This MOU is executed in English in five copies, one for each party, which have equal legal effects. The document has three pages and the last page carries the signatures of the parties.

4/3

NO: 3687 P.S.O/- Principal  
18/11/2019 Alphonsa College  
Arjunapuram P.O. Pella

*[Signature]*  
18/11/19

*[Signature]*

24 OCT 2019

Deputed Verifier  
K.V. Kalliyani






## ST. THOMAS COLLEGE, RANNI

9. This MOU is executed in English in five copies, one for each party, which have equal legal effects. The document has three pages and the last page carries the signatures of the parties.


Duly authorized representatives of **St Thomas College Palai, St Dominic's College Kanjirapally, St Thomas College Ranni, Alphonsa College Palai, and Henry Baker College, Melukavu** executed this MOU as of the date and year given below.

For St Thomas College Palai

  
Dr James John  
Principal  
**Dr. James John**  
Principal  
St. Thomas College, Palai




For St. Dominic's College, Kanjirapally

  
Dr James Philip  
Principal  
St. Dominic's College  
Kanjirapally



For St Thomas College Ranni



  
Dr Lata Marina Varghese  
Principal  
St. Thomas College, Ranni

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For Alphonsa College Palai

  
Dr Sr Gigimol M G  
Principal



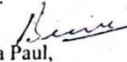
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For Henry Baker College Melukavu  
  
Dr Gireesh Kumar S  
Principal  
**PRINCIPAL**  
**HENRY BAKER COLLEGE,**  
**MELUKAVU**

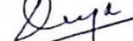
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Witness 1:

  
Dr. Beena Paul,  
HOD  
Department of History  
Henry Baker College Melukavu

19//11/2019

Witness 2:

  
Dr Deepa Roselin Joseph  
HOD  
Department of History  
St Thomas College Ranni

19//11/2019



# **Proof for activities under MoU**



### Faculty exchange programmes







## ST. THOMAS COLLEGE, RANNI

### Faculty exchange programmes







## ST. THOMAS COLLEGE, RANNI

### Faculty exchange programmes





**Faculty exchange Programmes**





**Faculty exchange Programmes**

