



மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம்  
**MANONMANIAM SUNDARANAR UNIVERSITY**  
(A State University, Re-Accredited with 'A' Grade by NAAC)  
Abishekapatti Tirunelveli – 627 012, Tamil Nadu, India

Final  
29/5/2020  
29/5/2020

**Dr. S. SANTHOSH BABOO**  
**REGISTRAR**

Ref.MSU/RES/R1/2020.

22.04.2020

To

The Secretary,  
St. Mary's College,  
Thoothukudi – 628 001.

Sir / Madam,

Sub: St. Mary's College, Thoothukudi – Renewal of Research Centre in  
**Botany** – Intimation - Reg.

- Ref: 1. Your letter No.SMC/101/Research/2018-19, dt.23.01.2019.  
2. Your letter No.SMC/101/Research/2019-20, dt. 21.01.2020.  
3. Vice-Chancellor Order dated 20.03.2020.

\*\*\*\*\*

With reference to the above, I am by direction to inform you that, Renewal of Recognition of Department of **Botany** of your college as Research Centre has been granted retrospectively from the academic year 2018-2019 to 2020-2021, so as to continue the Ph.D. Programme.

Yours faithfully,

20/5/2020

REGISTRAR

3/3

Copy to :

The Principal,  
St. Mary's College,  
Thoothukudi – 628 001.

**ST.MARY'S COLLEGE (Autonomous)**  
**THOOTHUKUDI**  
**(Reaccredited with 'A' Grade by NAAC)**



**RESEARCH DEPARTMENT OF BOTANY**  
**Detailed Proposal**  
**Submitted to**  
**MANONMANIAM SUNDARANAR UNIVERSITY**  
**Tirunelveli**  
**for**  
**RENEWAL OF RECOGNITION OF RESEARCH CENTRE**  
**JANUARY 2019**

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI - 12

PROFORMA FOR RECOGNITION / RENEWAL OF RESEARCH  
CENTRE

1.	Name of the College / Institution	:	St. Mary's College (Autonomous), Thoothukudi
2.	Name of the Department	:	Botany
3.	Courses offered (like U.G.,P.G.,M.Phil) : Name of the Course / Starting year	:	Annexure - I
4.	List of Faculty Members now working	:	Annexure - II (Approved by the University)
5.	List of Publications of Faculty Members with impact factor (During the last 5 years)	:	Annexure - III
6.	List of Research Guides	:	Annexure - IV
7.	Facilities available in the Research Centre	:	Annexure - V
8.	List of Ph.D's awarded under the guidance of existing Guides	:	Annexure-VI
9.	List of conferences/Seminars attended by Faculty Members  whether certificates enclosed	:	Annexure-VII  No
10.	Budget for the Research Centre (Item wise)	:	Annexure-VIII

  
SIGNATURE OF THE HEAD OF THE DEPT

  
SIGNATURE OF THE PRINCIPAL  
**Principal**  
**St. Mary's College (Autonomous)**  
**Thoothukudi - 628 001.**

  
SIGNATURE OF THE SECRETARY  
**Secretary**  
**St. Mary's College (Autonomous)**  
**Thoothukudi - 628 001.**

### ANNEXURE I

Name of the course	Starting year
B.Sc. Botany	1957
M.Sc. Botany	1972
M.Phil. Botany	1987
Ph.D.	2000

### ANNEXURE – II

Name	Qualification	Date of Appointment	Specialization
Dr. M. Glory	M.Sc., M.Phil., Ph.D.	28.06.1988	Environment
Dr. A. Arockia Jenecius Alphonse	M.Sc., M.Phil., Ph.D.	05.10.2007	Physiology, Biochemistry
Dr. A. Jacintha Tamil Malar	M.Sc., M.Phil. Ph.D.	08.10.2007	Taxonomy Microbiology
Dr. G. Flora	M.Sc., M.Phil., Ph.D.	01.08.2014	Pathology, Nanotechnology Environmental Biology
Dr. S. Beulah Jerlin	M.Sc., M.Phil., Ph.D.	01.08.2014	Bio-Diversity and Conservation Stress Physiology, Ecological Studies, (Field and Lab) Molecular Biology
Dr. E. Daffodil D Almeida	M.Sc. SET., Ph.D.	01.08.2014	Physiology and Seed Biochemistry
Dr. F. Dayana Lobo	M.Sc., M.Phil., Ph.D.	22.11.2017	Taxonomy and Microbiology
Dr. B. Maria Sumathi	M.Sc., M.Phil., Ph.D.	22.11.2017	Taxonomy, Microbiology
Ms. S. Pauline Jenifer	M.Sc., B.Ed., SET	22.11.2017	Physiology
Dr. S. Mary Santhi	M.Sc., M.Phil., Ph.D.	17. 06.2019	Algae, Microbiology

  
**Lucia Rose**  
 Principal  
**SL Mary's College (Autonomous)**  
 Thoothukudi - 628 001.

### ANNEXURE – III

**Dr. M. Glory**

<b>Paper Title</b>	<b>Journal</b>	<b>Year</b>	<b>Volume</b>	<b>Issue</b>	<b>Page No.</b>
Trace element contamination in the estuarine sediments along Tuticorin coast – Gulf of Mannar, Southeast coast of India.	Marine Pollution Bullet	2013	73		355 – 361
Evaluation of carbon sequestration potential of selected soil types in Thoothukudi with special reference to mangrove soil.,	Marian Quest	2013	2	1	62 – 65
Evaluation of carbon sequestration potential of mangrove ecosystem of Punnakayal, Tamil Nadu.,	Marian Quest	2015	4	1&2	33 – 39
Assessment of heavy metal distribution of mangrove sediment of Thoothukudi coast, Tamil Nadu.,	Eco. Env. &cons	2016	22	2	711-714
Assessment of Heavy metal Distribution of coastal water of Thoothukudi – Gulf of Mannar	Golden Research Thought,	2016	6	3	1-10
Hydrochemical Characterization of Ground water sources in Thoothukudi city.	Marian Quest	2017	7		44-52
Characterization of sea weeds and effect of sea weed liquid fertilizer on growth parameters and nutrition content on <i>Brassica juncea</i>	SMC Science Updates	2021			7-16

**Dr. M. Mary Josephine**

<b>Paper Title</b>	<b>Journal</b>	<b>Year</b>	<b>Volume</b>	<b>Issue</b>	<b>Page No.</b>
Impact of industrialization on physical, chemical and biological characteristics of soils in Thoothukudi District, Tamil Nadu, India.	Pollution Research	2013	32	1	123-126
Effect of <i>Padina pavonia</i> on soil fertility and biochemical profile of <i>Vigna unguiculata</i> under induced lead stress.	Seaweed Research Utilization	2013	35	172	129-137

Study on antioxidant potential of different parts of <i>Martynia annua</i> Linn- A Road side weed. <a href="http://www.journalijdr.com/">http://www.journalijdr.com/</a> 2014	International Journal of Developmental Research	2014	3	9	51-54
Studies on the biochemical composition of seaweeds from Hare Island, Thoothukudi Coast, Gulf of Mannar	Indian Hydrobiology	2013	16	1	19-22
Current status of seaweed diversity and their seasonal availability at Hare Island, Gulf of Mannar.	Science Research Reporter	2013	3	2	146-151
Antioxidant activities of <i>Sargassum</i> species from Hare Island, Thoothukudi.	Seaweed Research Utilization	2013	35	172	77-82
Utilization of seaweed extract to enhance growth and biochemical parameters of <i>Raphanus sativus</i> var. <i>pusa chetki</i>	Seaweed Research Utilization	2016	38	2	101-104

#### Dr. A. Arockia Jenecius Alphonse

Paper Title	Journal	Year	Volume	Issue	Page No.
<i>In vitro</i> antioxidant activity of <i>Amorphophallus paeoniifolius</i> (Dennst.) Nicolson var. <i>campanulatus</i> (Blume ex. Decne) Sivadasan	Int. J. Pharmaceu. Res. Biosci.	2013	2	5	211-222
Evaluation of anticancer potential of <i>Bacolepis nervosa</i> (Wight & Arn.) Decne. ex Moq. against Ehrlich Ascites Carcinoma induced cancer in Swiss Albino Mice.	Int. J. Pharm. Sci. Rev. Res.	2014	27	1	292-297
Anti-inflammatory activity of ethanol extract of <i>Bacolepis nervosa</i> (Wight & Arn.) Decne. ex	World J. Pharmaceu. Res.	2014	3	4	1384-1391

Moq.using carrageenan induced paw oedema in albino rats.					
<i>In vitro</i> antioxidant potential of leaf extracts of the endemic plant <i>Bacolepis nervosa</i> (Wight & Arn.) Decne. ex Moq. (Periplocaceae)	<i>J. Adv. Pharm. Edu. Res.</i>	2014	3	4	541-549
GC-MS analysis of bioactive components on the stem extract of <i>Bacolepis nervosa</i> (Wight & Arn.) Decne. ex Moq. (Periplocaceae).	World J. Pharm. Pharmaceu. Sci.	2014	3	4	1044-1059
Bio-efficiency of three seaweeds collected from the Manapad coast, India.	Marian Quest	2014	2	2	34-47
Antidiabetic activity of <i>Bacolepis nervosa</i> (Wight and Arn.) Decne. Ex moq. extract on alloxan induced diabetic rats.	Int. J. of Pharm Pharm. Sci.	2016	8	11	320 – 326
Pharmacognostic and phytochemical evaluation of <i>Bacolepis nervosa</i> stem and leaf.	Int. J. Pharm. Sci. Rev. Res	2017	42	1	197-206
Hepatoprotective activity of ethanol extract of <i>Bacolepis Nervosa</i> against carbon tetrachloride induced hepatotoxicity in albino rats	International Journal of Applied Biology and Pharmaceutical Technology	2017	8	3	63-72
Evaluation of antifertility potential of ethanolic extract of <i>Bacolepis nervosa</i> in male albino rats	Asian Journal of Pharmaceutical and Health Sciences	2017	7	2	1675-1682
Efficacy of organic and inorganic fertilizers in the growth and yield of radish	Journal of Critical Review	2020	7	10	3011-3022
Comparative study of effect of different substrates on yield of Oyster mushroom and its nutritional value	SMC Science Updates	2021			17-27

**Dr.Jacinta Tamil Malar A**

<b>Paper Title</b>	<b>Journal</b>	<b>Year</b>	<b>Volume</b>	<b>Issue</b>	<b>Page No.</b>
Anti-inflammatory potential of aerial parts of <i>Senna italic ssp micrantha</i> (BRENAN) Lock. (Caesalpiniaceae).	Journal of Harmonized research in Applied sciences	2015	3	3	172-175
GC-MS analysis of bioactive compounds in the leaf extracts of <i>Capparis diversifolia</i> Wight & Arn.- An Endemic Taxon of southern western Ghats	World Journal of Pharmaceutical Research	2016	5	12	1333-1340
Phytochemical screening of the leaf extract of <i>Capparis divaricata</i> lam. by GC-MS analysis	International Journal of Applied and pure science and Agriculture	2017	3	1	1333
Anti- inflammatory potential of <i>Capparis diversifolia</i> wight & arn. leaf extract against carrageenan induced paw EDEMA IN RATS	International Journal of Research Ayurveda and pharmacy	2017	8	1	1
The morphological and anatomical properties of endemic <i>Capparis divaricata</i> Lam. (Capparidaceae)	Marian Quest	2017	6		59 – 64

Hypoglycemic and Hypolipidemic effects of methanolic extracts of <i>Sauropus bacciformis</i> whole plant in alloxan induced diabetic rats	European Journal of pharmaceutical and medical research	2017	4	12	386-392
Macroscopic and microscopic studies on the aerial parts of selected species of Lamiaceae	SMC Science Updates	2021			28-34

### Dr. G. Flora

Paper Title	Journal	Year	Volume	Issue	Page No.
Activity of seaweed extracts against phytopathogens	Seaweed Res. Utilin.,	2013	35	(1&2)	78-90
Atrazine effect on Photosynthesis of <i>Pistia Stratiotes</i> ,L.	International Journal of PharmTech Research	2013	5	2	800-803
Gc-ms analysis of <i>Acanthophoraspicifera</i>	Int J Pharm Bio Sci	2013	4	(1)B	649-653
Effect of <i>Stoechospermum marginatum</i> (Ag). Kutz extract on controlling blast disease in rice caused by <i>Pyriculariaoryzae</i> under natural field condition	African Journal of Agricultural Research	2013	8	(25)	3289 - 3293
Study On Antioxidant Potential Of Different Parts Of <i>Martynia annua</i> Linn.– A Road Side Weed	International Journal of Development Research	2013	3	9	051-054
<i>Ulothrix flacca</i> concentrate as an alternative source to control early leaf spot disease in	Marian quest	2013	2	1	66-74

groundnut.					
Effect of <i>Padina pavonia</i> on soil fertility and biochemical profile of <i>Vigna unguiculata</i> under induced lead stress.	<i>Seaweed Res. Utilin.,</i>	2013	35	1&2	129
Green Synthesis and Characterization of silver nanoparticles using aqueous extract of <i>Gracilaria corticata</i> and their effect on growth of beneficial soil microbes and earthworms.	Seaweed research and utilization	2016	38	2	35-42
Effect of <i>Ulva lactuca</i> and <i>Padina tetrastromatica</i> concentrate on Growth and yield of <i>Momordica charantia</i> .	Seaweed research and utilization	2016	38	2	118-124
Effect of <i>Ulva lactuca</i> and <i>Padina tetrastromatica</i> concentrate on Growth and yield of <i>Lablab purpureus</i> L.	Asian Journal of Biological and Life Sciences	2017	6	1	321-328
Synthesis of silver nanoparticles using red algae, characterization and effect on beneficial soil microbes.	Asian Journal of Biological and Life Sciences	2017	6	1	313-320
Isolation and screening of Azo dye decolorizing bacterial isolates from shrimp shell contaminated soil in thoothukudi coast	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2017	5	7	1351 - 1354
Cleanup Textile Azo Dye Pollution by Using Silver Nanoparticles of Bacteria Isolated From Shrimp Shell Contaminated Soil in Thoothukudi Coast	IJSRST	2018	4	9	12-17
Estimation of Carbon Storage in the Tree Growth of St. Mary's College (Autonomous) Campus, Thoothukudi, Tamilnadu, India	Journal Of Emerging Technologies and Innovative Research	2018	5	8	261-266
Anti diabetic (AD), stiffness and hardness studies of 2-[4-(Trifluoromethyl) phenyl]-1H-	Materials Today: Proceedings	2020	7	33	4233 - 4236

benzimidazole crystals - (TFMPHB) macro and nano crystal					
Anti-diabetic (AD) and crystal stiffness characterizations of NaBr-added L-alanine (LANB) – A comparative analysis in macro and nano scale crystals	Materials Today: Proceedings	2020	7	33	3937 - 3941
Anti diabetic (AD) studies of picolinium maleate nano crystals	Materials Today: Proceedings	2020	7	33	3005 - 3007
Anti-inflammatory (AI) and crystalline hardness characterisations of 4-(4-chlorophenyl)-7,7-dimethyl-7,8-dihydro-4h-1-benzopyran-2,5(3h,6h)-dione- (CPDMDHHPHHD) – Comparative analysis of macro and nano scales crystals	Materials Today: Proceedings	2020	7	33	3578-3582
Anti-diabetic (AD) activities of ZnO doped with Ce (7 at%) nano particles (NP)	. Materials Today: Proceedings	2020	7	33	3053-3055

### Dr. S. Beulah Jerlin

Paper Title	Journal	Year	Volume	Issue	Page No.
Zinc solubilizing bacteria from rhizospheric soil of mangroves.	International Journal of Microbiology and Biotechnology.	2017	2	3	148-155
Painted Stolk in Sanga Illakiyam	Book – Pazhanthamilar Vaazvum Varalarum-Inbam	2016			211-214
Feeding behavior of Bat in Ettuthogai	Book – Pannattu parapil Tamil Illakkana Pokkugal	2017			376 - 378

Biosynthesis of silver nanoparticles from the mangrove <i>Avicennia marina</i> and its applications	International Journal of Development Research	2017	7	11	11
Effect of Stone Crushers Dust on Chlorophyll Content of Some Medicinally Valuable Plants from Sri Moolakkarai Village of Thoothukudi District	International Journal of Recent Research Aspects I	2018		Special issue	495-498
Study on the Effect of Fertilizers and Hydrogen Peroxide on Soil Property, Growth, Yield and Nutrient Content of <i>Abelmoschus Esculentus</i> (L.) Moench  ISSN Online: 2580-6815  ISSN Print:2337-9782	International Journal of Agriculture Research System	2020	8	2	77-84

**Dr. E. Daffodil D Almeida**

Paper Title	Journal	Year	Volume	Issue	Page No.
Antioxidant activity, total phenolics and flavonoids of <i>Salicornia brachiata</i> Roxb. leaf extracts (Chenopodiaceae)	World Journal of Pharmacy and Pharmaceutical Science	2013	2	1	352-366
Effect of different water or hydrothermal treatments on antinutritional and in vitro protein digestibility of three accessions of itching bean ( <i>Mucuna pruriens</i> (L.) DC var. <i>pruriens</i> ): An underutilized tribal pulse.	International Journal of Biochemistry	2013	108	2013	152-172
Total phenolics, flavonoids and in vitro antioxidant activity of <i>Nymphaea pubescens</i> Wild rhizome.	World Journal of Pharmacy and Pharmaceutical Sciences	2013	2	5	3710-3722
Pharmacochemical characterization and antibacterial activity of <i>Asystasia gangetica</i> (L.) T. And.	Journal of Harmonized Research in Pharmacy	2013	2	2	112-120
Anti-inflammatory activity of whole plant of <i>Cynoglossum zeylanicum</i>	Journal of Advanced Pharmacy	2013	3	1	20-22

(Vahl Ex Hornem) Thunb. Ex. Lehm.	Education & Research				
Pharmacochemical characterization and antibacterial activity of <i>Ventilago maderaspatana</i> Gaertn.	An International Journal of Advances in Pharmaceutical Sciences	2013	4	4	578-586
Quantification of total phenolics, flavonoid and in vitro antioxidant activity of <i>Aristolochia bracteata</i> Retz.	International Journal of Pharmacy and Pharmaceutical Sciences	2014	6	1	747-752
<i>In Vitro</i> antioxidant activity of <i>Nymphaea</i> <i>rubra</i> L. rhizome	World Journal of Pharmaceutical Research	2014	3	4	2178-2189
Assessment of biochemical composition of three varieties of <i>Vigna radiata</i> (L.) Wilezek	Biolife	2014	2	2	655-667
Study of whole plant of <i>Vernonia cinerea</i> Less. for in vitro antioxidant activity	International Journal of Pharmacy	2014	4	2	172-178
Free radical scavenging potential of <i>Drypetes</i> <i>sepiaria</i> (Wight & Arn.) Pax & K. Hoffm.	World Journal of Pharmaceutical Research	2014	3	4	947-958
Pharmacochemical characterization, FT-IR and antibacterial activity of <i>Vernonia Cinerea</i> Less.	Research Journal of Pharmaceutical, Biological and Chemical Sciences.	2014	5	3	239-249
Evaluation of pharmacochemical characters and antibacterial activity of <i>Buchanania</i> <i>lanzan</i> Spr.	Outreach	2015	8	-	206-215
Nutritional and antinutritional assessment of <i>Mucuna pruriens</i> (L.) DC Var. <i>Utilis</i> (Wall ex. Wight) Bak. Ex Burck and <i>Mucuna deeringiana</i> (Bort) Merril: An underutilized tribal pulse	International Food Research Journal	2016	23	4	1501-1513

**Dr.F.Dayana lobo**

<b>Paper Title</b>	<b>Journal</b>	<b>Year</b>	<b>Volume</b>	<b>Issue</b>	<b>Page No.</b>
Diversity and biochemical composition of seaweeds in oceanic zone of Gulf of Mannar near Hare Island	Marian Quest	2013	2	1	75-80
A study on antioxidant and antioxidant activity of selected seaweeds from Hare Island of Tuticorin Coast	Herbal Chemistry	2014	2	4	1096-1101
A study on Antifungal activity of different seaweed extracts against plant pathogens.	Marian Quest	2015	4	1&2	40-45

**Dr. B. Maria Sumathi**

<b>Paper Title</b>	<b>Journal</b>	<b>Year</b>	<b>Volume</b>	<b>Issue</b>	<b>Page No.</b>
GC MS Analysis of leaves of <i>Jatropha maheswari</i> Subram and Nayer.	Science Research Reporter	2014	4	1	24-30
Phytochemical investigation of whole plant extracts of <i>Cyperus bulbosus</i> vahl by GC-MS analysis	world journal of pharmacy and pharmaceutical sciences	2016	5	4	1671-1676
Anti-inflammatory Activity of <i>Jatropha gossypifolia</i> L. Leaves extract against carrageenan induced paw edema	Marian Quest	2017	6		53-58

**Ms. S. Pauline Jenifer**

<b>Paper Title</b>	<b>Journal</b>	<b>Year</b>	<b>Volume</b>	<b>Issue</b>	<b>Page No.</b>
A Study on the Effect of NaCl stress on <i>Vigna radiata</i> (L.) Wilczek. Var Co-6	International Journal of Recent Research Aspects	2018		Special issue	633-635

  
**Lucia Rose**  
 Principal  
**St. Mary's College (Autonomous)**  
 Thoothukudi - 628 001.

## ANNEXURE – V

### 7. Facilities available in the Research Centre:

(i)	<b>Space for Research Scholars</b>	
	<b>(a) In the Department</b>	17'0" x 21'9"
	<b>(b) In the Library for reading</b>	27'0" x 45'9"
	<b>(c) Storing study &amp; research materials</b>	8' x 8'

(ii) **Books - 3000**

(iii) **Journals**

SL.NO	NAME OF THE JOURNAL
1	Indian Journal of Plant physiology
2	Marian Quest
3	Medicinal Plants (International Journal of Phytomedicines and Related Industries)
4	Current Science
5	Pollution Research
6	Bioscience Discovery ( A Journal of Life Science)
7	Indian Journal of Marine Science
8	Journal of Ecobiology
9	Phytomorphology
10	Seaweed Research and Utilisation
11	Journal of Plantation Crops
12	Indian Journal of Horticulture
13	Indian Academy of Sciences
14	The Journal of Indian Botanical society
15	Journal of Biosciences
16	Journal of Theoretical and Experimental Biology
17	Journal of Basic and Applied Biology
18	Resonance, Journal of Science education
19	Indian Journal of Genetics and Plant breeding
20	Indian Journal of Natural Products and Resources
21	Indian Journal of Plant Physiology

(iv) **Internet Facility - yes**

(v) **Computer facilities with essential software - yes**

(vi) **Uninterrupted power supply- yes**

(vii) **Water Supply – Yes (Municipal water and well water)**

(viii) Others -

(ix) FOR SCIENCE AND TECHNICAL

DISCIPLINES (a) Research Laboratory

(b) Equipment

Major Equipment

S.No.	Particulars	No.	Year of Purchase
1.	FTIR Spectrometer	1	2013
2.	Ultra Centrifuge	1	2013
3.	Atomic Absorption Spectrophotometer	1	2013
4.	PCR (Minor Research Project)	1	2015

Minor Equipment

S.No.	Particulars	No.	Year of Purchase
5.	Projection Screen	1	2012
6.	Lap-Top	1	2013
7.	Projector	1	2013
8.	Power Pack	2	2013
9.	Transilluminators	1	2013
10.	Gel Documentation system	1	2013
11.	Digital Colorimeter	1	2013
12.	Digital PH meter	1	2013
13.	Digital Conductivity Meter	1	2013
14.	Electronic Analytical Balance	1	2013
15.	Ultra Centrifuge stabilizer	1	2013
16.	Colorimeter	1	2014
17.	PH Meter	1	2014
18.	PH Meter	1	2014
19.	Students Microscope model HAS make	1	2014
20.	Computer with UPS	1	2014
21.	Projector, Projection Screen	1	2014
22.	Refrigerator	1	2015
23.	Seed Germinator	1	2019
24.	Flame Photometer	1	2019
25.	Trinocular Microscope, Camera with	1	2019
26.	Soxhlet Apparatus	1	2019
27.	Rotary Vacuum Evaporator	1	2019
28.	High Speed Centrifuge	1	2019
29.	Binocular Microscope	2	2019

30.	Tissue Culture Hood	1	2019
31.	Incubator	1	2019
32.	Flat Bed Scanner	1	2019
33.	Herbarium Cabinet	1	2019
34.	Water bath	1	2019
35.	Plankton net	1	2019
36.	Aerator	1	2019
37.	Portable Gas sampler	1	2019
38.	Muffle Furnace	1	2019
39.	Oil Press Machine	1	2019
40.	Steam Distillation	1	2019
41.	Cellulose nitrate filtrate	1	2019
42.	Florurimeter	1	2019
43.	Suction Pump	1	2019
44.	Multipurpose Extractor (Mixie)	1	2019
45.	Electronic Balance	2	2019
46.	Leaf Area meter	1	2019
47.	Magnetic Stirrer	1	2019
48.	GPS System	1	2019

**(c) Space per research scholar in the laboratory**

- Plant Diversity lab (40'6" x 45'9")
- Tissue culture lab
- Microbiology lab (27'0" x 45'9")
- Biochemistry lab (19'.3" x 45'9")
- Instrumentation Room (12'0" x 18' 12")

*Lucia Rose*  
Principal  
SL Mary's College (Autonomous)  
Thoothukudi - 628 001.

## ANNEXURE VI

Name of the Guide	Name of the Scholar	Year & Month of award
Dr. Uthayakumari Kalavathy	V. Bharathy	28.02.2014
	B. Maria Sumathi	26.06.2014
	M. Shunmuga Sundari	25-04-2014
	D. Sheela	29-01-2016
	S. Shanmuga Jothi	07-10-2016
	N. Santhana mari	17.12.2018
Dr. Maria Victorial Rani	G. Flora	26.4.2013
	F. Dayana Lobo	09.01.2015
	R. Usha	13.02.2015
	J. Kumareswari	29.05.2017
Dr. Glory	A. Jacintha Tamil Malar	06.04.2018
Dr. Beulah Jerlin	S. Pauline Jenifer ( Registered on 5.7.2018)	

  
 Principal  
**St. Mary's College (Autonomous)**  
 Thoothukudi - 628 001.

## ANNEXURE VII

**Dr. G. Glory**

<b>Title of the Workshop/ Seminar/ FDP</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
faculty development programme	National level conference	Participated	-	All India Association for Christian Higher Education held at CSI – Synod Chennai	9.07.2014 to 11.07.2014
The role of Religion in Promoting Peace and Harmony; Contribution of Christianity”	National seminar	Participated	-	Christ University, Bangaluru	19.02.2015to 20.02.2015
Quality Enhancement in Higher Education: Teaching, Learning & Evaluation	National Seminar	Participated	-	IQAC, St. Mary’s College (Autonomous), Thoothukudi	7.06.2016 & 8.06.2016
Academic quality in Higher Education	Three day conclave of Academics	Participated	-	Christ University Bengaluru and Christ Institute of Management (CIM) Lavasa-Pune	29.01.2016 to 31.01.2016
capacity building on E-content development	workshop	Participated	-	IQAC St. Mary’s College (Autonomous), Thoothukudi	11.04.2016to 16.04.2016
e- content development	Training programme	Participated	-	St. Mary’s College (Autonomous), Thoothukudi	11.04.2016to 16.04.2016
Effect of National Education policy 2016 in the present scenario,	seminar	Attended	-	VOC College of Education, Thoothukudi	08.09.2016& 09.09.2016
Cosmic Concerns: An Interdisciplinary Dialogue in	National Conference	Participated	-	IQAC, St. Mary’s College (Autonomous),	27.01.2017& 28.01.2017

Applied Ethics				Thoothukudi	
corrosion awareness day	workshop	Participated	-	National corrosion Council of India, Karaikudi at St. Mary's College (Autonomous), Thoothukudi	6.04.2017
Biodegradation of pesticide contaminated agricultural soil using selected bacterial strains	International seminar	Participated and presented paper	-	Department of Environmental Biotechnology, Bharadidasan University, Trichy	7.03.2017 to 8.03.2017
Seminar on The joy of living – A psychological perspective	International	Participated	-	Department of Psychology, St. Mary's College (Autonomous), Thoothukudi	26.09.2017
A One day Research Orientation Programme for Research Supervisors of Manonmaniam Sundaranar University	-	Participated	-	IQAC & Centre for Research, Manonmaniam Sundaranar University, Tirunelveli.	01.11.2017
Round table Discourse on The Present Context of Higher Education Impacting Univeersities and Colleges: Preparing for Higher Quality Initiatives	-	Participated	-	CEDBEC, CHRIST University, Bengaluru	15.03.2018 To 17.03.2018

**Dr. M. Mary Josephine**

<b>Title of the Workshop/ Seminar/ FDP</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
Ecology and	National	Participated	-	St. John's	12-12-2013

conservation				College Palayamkottai	& 13-12-2013
Institutional Quality Improvement :Role of information and communication Technology	National	Participated	-	St.Mary's college Tuticorin	31-1-2014 & 1-2 2014
Quality enhancement in higher education : Teaching , learning & Evaluation	National	Participated	-	IQAC St.Mary's college Tuticorin	7-1-2016 & 8-1-2016
Marine Bioresources: Prospects and Threats	National	Participated	-	Zoology Department St.Mary's college Tuticorin	11-02-2017 & 12-02 - 2016
Cosmic Concerns: An Interdisciplinary Dialogue in Applied Ethics	National	Participated	-	IQAC St.Mary's college Tuticorin	27-1-2017 & 28-1- 2017
E-Waste Hazards and Management	National	Participated	-	Centre of Eco Feminie Excellence, St.Mary's college, Tuticorin	09-03-2017
The Joy of Living- A Psychological Perspective	International	Participated	-	Department of Psychology, St.Mary's college, Tuticorin	26-09-2017
Academic and Research Integrity in the Digital World	National	Participated	-	Research Forum and Department of Library,	09-12-2017

				St.Mary's college, Tuticorin	
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**Dr. A. Arockia Jenecius Alphonse**

<b>Title of the Workshop/ Seminar/ FDP</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
Seminar on Industrial Quality Improvement: Role of Information and Communication Technology	National	Participated	-	St. Mary's College (Autonomous), Thoothukudi	31.01.2014 & 01.01.2014
Workshop on Molecular Biotechnology and Bionanotechnology	National	Participated	-	St. Mary's College (Autonomous), Thoothukudi	12.09.2014 & 13.09.2014
Workshop on "Plant Proteomics for Teaching Faculty	National	Participated	-	SRM University	27.01.2015 to 31.01.2015
Seminar on Plant Genetic resources: Utilization and Conservation	National	Participated	-	PG & Research department of Botany, V.O.Chidambaram College, Thoothukudi	12.02.2015 to 13.02.2015
Training Programme on "Communicative English	National	Participated	-	Dinkys Global HR and Edu. Consultancy	18.05.2015 to 31.05.2015
Workshop on Basic statistics using SPSS and Excel (BASSE-2016)	National	Participated	-	Sadakathullah Appa College (Autonomous) Palayamkottai	05.01.2016 & 06.01.2016
Seminar on Quality	National	Participated	-	IQAC, St. Mary's	07.01.2016

Enhancement in Higher Education: Teaching, Learning & Evaluation				College (Autonomous), Thoothukudi	& 08.01.2016
Training Programme of Direct Benefit Transfer (DBT) Scheme- Central Plan Scheme Monitoring System (CPSMS)	National	Participated	-	Mata Sundari College, New Delhi.	13.07.2016
Conference on "Benchmarking Procedures and Practices for Quality Enhancement in Higher Education	National	Participated	-	Christ University, Bengaluru	22.11.2016 to 24.11.2016
Conference on Cosmic Concerns: An Interdisciplinary Dialogue in Applied Ethics	National	Participated	-	IQAC, St. Mary's College (Autonomous), Thoothukudi	27.01.2017 to 28.01.2017
Workshop on Public Financial Management Systems (PFMS) with special reference to EAT modules	State	Participated	-	VHNSN College (Autonomous), Virudhunagar	07.08.2018 & 08.08.2018
One day seminar on Prevention of Sexual Harassment at Working Places & Creation of Legal Awareness	-	Participated	-	Centre for Women Empowerment & Women Studies, Manonmaniam Sundaranar University	03.10.2018

**Dr. A. Jacintha Tamil Malar**

<b>Title of the Workshop/ Seminar/ FDP</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
Faculty Improvement Programme	-	Participated	-	AIACHE in Kodaikkanal	20 to 21- 11- 2013
Nanomaterials and its applications	-	Participated	-	Department of Chemistry, Mar Ivanios College (Autonomous), Tiruvananthapuram.	01.10.2015
Conference on “Solar Energy”	International	Participated	-	St.Mary’s College (Autonomous) Thoothukudi	11.02.2015.
Conference on Reasserting Microbial Biotechnology to Deflate Global	International	Participated	-	Department of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli	28.09.2015 & 29.09.2015
Two Day Seminar on Skills and Opportunities for Enhancing Science Graduates	National	Participated	-	Department of Botany, St.Mary’s College (Autonomous) Thoothukudi	04.02.2016 & 05.02.2016
Algal biotechnology an eco-friendly solution for food, fuel and health		Participated	-	Department of Botany, St.Mary’s College (Autonomous) Thoothukudi	14.10.2016

Current Scenario in Plant Sciences		Participated	-	V.O.Chidambaram College,Thoothukudi	28.12.2016 & 29.12.2016
“E-Waste hazards and management		Participated	-	St.Mary’s College (Autonomous) Thoothukudi	09.03.2017
Green chemistry for clean environment	National	Participated	-	St.Mary’s College (Autonomous) Thoothukudi	07.12.2017 & 08.12.2017
Refresher Course		Participated		UGC Academic Staff College, M.K.University, Madurai	09.03.2018 - 29.03.2018
Seminar on Research in India – Current state and future prospects	National	Participated	-	St. Mary’s college (Autonomous) Thoothukudi	11.04.2018

**Dr. G. Flora**

<b>Title of the Workshop/ Seminar/ FDP</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
Faculty Improvement Programme	-	Participated	-	AIACHE in Kodaikkanal	20 to 21-11-2013
Short Film Making Workshop	-	Participated	-	Don Bosco Media	16 to 20 -12-2013

Institutional Quality Improvement : Role of Information and Commnication Technology	-	Participated	-	IQAC, St. Mary's College (Autonomous), Thoothukudi	31-01-2014 & 1-02-2014
Funded projects: Winning Strategies for preparing proposal and impressive presentation	National	Participated	-	Manonmanium Sundaranar University, Tirunelveli	19 to 21 - 11- 2014
National seminar on Bioinformatics,	National	Participated	-	Department of Bioinformatics, School of Life Sciences, Bharathidasan University, Trichy	28 to 29- 01- 2015
International Conference on Reasserting Microbial Biotechnology to Deflate Global Disease Burden- RMBT'15	International	Participated	-	Department of Biotechnolog, Manonmaniam Sundaranar University, Tirunelveli	28 to 29- 09-2015
INUP Hands- on Training Workshop on "PDMS Microfluids and Micro and Nano Characterization Techniques"	International	Participated	-	Centre for Nano Science and Engineering, Indian Institute of Science, Bangalore	19 to 27 - 11-2015
National workshop on Basic statistics using SPSS and Excel (BASSE-2016)	National	Participated	-	Sadakathullah Appa College (Autonomous) Palayamkottai	5to 6 -01- 2016
National Seminar on Quality	National	Presented	Analysis of the	IQAC, St. Mary's College	7 to 8 – 01- 2016.

Enhancement in Higher Education: Teaching, Learning & Evaluation			Advantages and Disadvantages of Multimedia Teaching in Colleges	(Autonomous), Thoothukudi	
National Seminar on Multi Disciplinary Research	National	Participated	-	Marian Research Forum, St. Mary's College (Autonomous), Thoothukudi	20-02-2016
Capacity Building Workshop on E-content Development	State	Participated	-	St. Mary's College (Autonomous), Thoothukudi	11 to 16 - 04-2016
Training on Nanotechnology	State	Participated	-	Centre for Bioscience and Nanoscience Research, Eachnari, Coimbatore	20 to 21-05 2016
Training on Animal Cell Culture and MTT Assay	State	Participated	-	Centre for Bioscience and Nanoscience Research, Eachnari, Coimbatore	2&3- 06- 2016
Training programe of Direct Benefit Transfer (DBT) Scheme -Plan Scheme Monitoring System(CPSMS)	National	Participated	-	Matha Sundari College, New Delhi	13 -07- 2016
International Conference on Advances in Algal Biotechnology	International	Presented	Green Synthesis and Characterization of silver nanoparticles using aqueous extract of	University, Vellore, Tamil Nadu	10 to 12 – 08- 2016

			Gracilaria corticata and their effect on growth of beneficial soil microbes and earthworms. 2. Effect of Ulva lactuca and Padina tetrastratica concentrate on Growth and yield of Momordica charantia”		
International conference on Advances in Nanomaterials and Nanotechnology	International	Presented	Green synthesis and characterization of silver nanoparticles using aqueous extract of Hypnea musciformis and their effect on growth of beneficial microbes and earthworms	centre for nanoscience and nanotechnology, Jamia Milia Islamia, New Delhi	4.11.16 to 5.11.2016
National Conference on Cosmic concerns: An Interdisciplinary Dialogue in Applied Ethics	-	Participated	-	St. Mary's College (Autonomous), Thoothukudi	27 & 28 - 01- 2017

STEM Teacher Training Workshop on Research – Based Pedagogical Tools	National	Participated	-	Indian Institute of Science Education and Research, Pune	26-02-2017 1-03-2017
International seminar on Biology for sustainable Environment	International	Presented	Isolation and screening of Azo dye decolorizing bacterial isolates from shrimp shell contaminated soil in thoothukudi coast	Department of Environmental Biotechnology, School of Environmental Sciences, Bharathidasan University, Tiruchirapalli	7-03 2017 to 8 -03 2017
E-waste Hazards and Management	State	Participated	-	St. Mary's College (Autonomous), Thoothukudi	9 -03- 2017
International Conference on Pharmaceutical, medical & Environmental health sciences (ICPharME-2017)	International	Presented	Biosynthesis and Characterization of silver nanoparticles using aqueous extract of brown algae and their effect on beneficial soil microbes	IRF Conference association with IRAJ Research forum, Bangalore	4-08-2017 to 5 -08- 2017
Seminar on Academic and Research Integrity in the Digital World	National	Participated	-	Research Forum and Department of Library, St. Mary's College (Autonomous), Thoothukudi	09/12/2017
Asian Conference on Recent Advances in Science, Engineering and Technology	International	participated		International Society for research and Development	08/04/2018

**Dr. Beulah Jerlin**

<b>Title of the Workshop/ Seminar/ FDP</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
Workshop on Molecular Biotechnology & Bionanotechnology	-	Participated	-	St. Mary's College (Autonomous), Thoothukudi	12.09.2014 & 13.09.2014
Workshop on Funded projects: Winning Strategies for preparing proposal and impressive presentation	National	Participated	-	Manonmaniam Sundaranar University, Tirunelveli	19.11.2014 to 21.11.2014
Seminar on Bioinformatics	National	Participated	-	Department of Bioinformatics, School of Life Sciences, Bharathidasan University, Tiruchy.	28.01.2015 & 29.01.2015
Ornamental Fish Culture and Management		Participated	-	St. Mary's College (Autonomous), Thoothukudi	02.09.2015
One day dissemination programme	District Level	Participated	-	Indian Red Cross society, at Thoothukudi.	27.09.2015
Seminar on Quality Enhancement in Higher Education: Teaching, Learning & Evaluation,	National	Participated	-	IQAC, St. Mary's College (Autonomous), Thoothukudi	07-01-2016 & 08-01-2016
Eye donation Awareness camp		Participated	-	Lions Club International and Lions Club of Sivakasi Cracker city St. Mary's	11.01.2016

				College (Autonomous), Thoothukudi	
One day National Seminar on Multidisciplinary Research	National	Participated	-	Marian Research Forum (MRF), St.Mary's college (Autonomous), Thoothukudi.	20.02.2016
International Tamil Conference	International	Paper presented	Painted Stolk in Sanga Illakiyam	St.Mary's college (Autonomous), Thoothukudi	19.03.2016
One day dissemination programme	District Level	Participated	-	Red Cross Society, Thoothukudi.	03.07.2016
National conference on "Immune Response of Marine Fishes with Respect to Heavy Metal Pollution"	National	Participated	-	CAS in Marine Biology, Annamalai University	05.08.2016 & 06.08.2016
Three day Conference on "Benchmarking Procedures and Practices for Quality Enhancement in Higher Education		Participated	-	Christ University, Bengaluru	22& 24.11.2016
National Conference on "Emerging Infectious Disease and Curative Measures"	National	Participated	-	PG Department of Microbiology, Kamaraj College, Thoothukudi.	22.12.2016 & 23.12.2016
Science Academies Lecture Workshop on "Current Scenario in Plant Sciences"	-	Participated	-	PG and Research Department of Botany, V.O.Chidambaram College, Thoothukudi	28.12.2016 & 29.12.2016

National conference on Recent trends in plant sciences	National	Paper presented	Impact of urbanization on plant diversity: A case study of Korampallam village in Thoothukudi District:	St.Xaiver's College, (Autonomous) Palayamcottai, Tirunelveli District, Tamilnadu	24.01 .2017 & 25.01.2017
National Conference on Cosmic Concerns: An Interdisciplinary Dialogue in Applied Ethics	National	Participated	-	IQAC, St. Mary's College (Autonomous), Thoothukudi	27.1.2017 & 28.1.2017
State level lecture workshop on Multi Disciplinary Research	State level	Paper presented	Biosynthesis and of silver nanoparticles from the mangrove <i>Avicennia marina</i>	Marian Research Forum	7. 02. 2017
Science Academies' Education Lecture Workshop in Botany on "Recent Trends in Biodiversity and its Conservation (RTBC'17)	-	Participated	-	Department of Botany, Sri Kumara Gurupara Swamigal Arts College, Srivaikundam	15.02.2017 & 16.02.2017
Orientation Programme for Research Supervisors of MS University	-	Participated	-	IQAC and Centre for Research, MS University, tirunelveli	01.11.2017
National Seminar on Academic and Research Integrity in the Digital World	National	Participated	-	Research Forum and Department of Library, St. Mary's College (Autonomous), Thoothukudi	09.12.2017
National Seminar on Research in	National	Participated	-	Marian Research Forum, St.	11.04.2018

India- Current State and Future Prospects				Mary's College (Autonomous), Thoothukudi	
International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR - 2018)	International	Presented	Effect of Stone Crushers Dust on Chlorophyll Content of Some Medicinally Valuable Plants from Sri Moolakkarai Village of Thoothukudi District	V.O.Chidambaram College, Thoothukudi	19.04.2018 & 20.04.2018

**Dr. E. Daffodil D Almeida**

<b>Title of the Workshop/ Seminar/ FDP</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
Seminar on Current Trends in Chemistry	National	Presented	Influence of microwave treatment on the antioxidant enzyme and in vitro antioxidant activities of <i>Mucuna pruriens</i> var. <i>utilis</i>	Department of Chemistry, A.P.C. Mahalaxmi College for women, Thoothukudi	07.08.2013
Short-term training programme on Hands on Training in Plant-Biotechnology		Participated	-	Department of Plant Biology & Plant Biotechnology, St.Xavier's College (Autonomous), Palayamkottai	19.08.2013 to 06.09.2013
Seminar on	National	Presented	Exploration of	The Centre for	06.01.2014

Current Trends in Biodiversity Conservation and Forest Management			under Exploited Legumes From Sitheri Hills, Eastern Ghats, Tamil Nadu	Biodiversity and Forest Studies, Periyar University, Salem	& 07.01.2014
Seminar on Herbal Research Methodology	State	Participated	-	Department of Botany, St.Mary's College (Autonomous), Thoothukudi	08.01.2014
Workshop cum training programme on Conventional and Modern Aspects of Plant Taxonomy	National	Participated	-	Department of Biology, The Gandhigram Rural Institute-Deemed University, Gandhigram, Dindigul	12.02.2014 to 14.02.2014
Seminar on Plant Genetic resources: Utilization and Conservation	National	Presented	Determination in vitro antioxidant potential of <i>Saraca asoca</i> (Roxb.) Willd. seed	PG & Research department of Botany, V.O.Chidambaran College, Thoothukudi	12.02.2015 to 13.02.2015
Seminar on Ornamental Fish Culture and Management		Participated	-	Department of Zoology, St. Mary's College (Autonomous), Thoothukudi	02.09.2015
Conference on Reasserting Microbial Biotechnology to Deflate Global Disease Burden- RMBT'15	International	Participated	-	Department of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli	28.09.2015 & 29.09.2015
Workshop on Basic statistics using SPSS and Excel (BASSE-2016)	National	Participated	-	Sadakathullah Appa College (Autonomous) Palayamkottai	05.01.2016 & 06.01.2016

Seminar on Quality Enhancement in Higher Education: Teaching, Learning & Evaluation	National	Participated	-	IQAC, St. Mary's College (Autonomous), Thoothukudi	07.01.2016 & 08.01.2016
Seminar on Multidisciplinary Research	National	Participated	-	Marian Research Forum (MRF), St. Mary's college (Autonomous), Thoothukudi	20.02.2016
Training programme on e- content development	-	Participated	-	St. Mary's college (Autonomous), Thoothukudi	11.04.2016 to 16.04.2016
Conference on Emerging Infectious Disease and Curative Measures	National	Participated	-	PG Department of Microbiology, Kamaraj College, Thoothukudi	22.12.2016 & 23.12.2016
Science Academies Lecture Workshop on Current Scenario in Plant Sciences	National	Participated	-	PG and Research Department of Botany, V.O.Chidambaram College, Thoothukudi	28.12.2016 & 29.12.2016
Conference on Cosmic Concerns: An Interdisciplinary Dialogue in Applied Ethics	National	Participated	-	IQAC, St. Mary's College (Autonomous), Thoothukudi	27.01.2017 to 28.01.2017
A one day orientation programme for Government, Aided and Autonomous College Teachers of	-	Participated	-	Centre for Curriculum and faculty Development & Department of Education, Manonmaniam Sundaranar	15.09.2017

Manonmaniam Sundaranar University.				University. Tirunelveli	
Seminar on Academic and Research Integrity in the Digital World	National	Participated	-	Research Forum and Department of Library, St. Mary's College (Autonomous), Thoothukudi	09.12.2017
National Seminar on Research in India- Current State and Future Prospects	National	Participated	-	Marian Research Forum, St. Mary's College (Autonomous), Thoothukudi	11.04.2018
International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR - 2018)	International	Presented	Influence of gamma radiation on antioxidant enzymes in three accessions of <i>Dolichos lablab</i> var. <i>vulgaris</i>	V.O.Chidambar am College, Thoothukudi	19.04.2018 & 20.04.2018

**Dr. F. Dayana Lobo**

<b>Title of the Workshop/ Seminar/ FDP</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
Seminar on Marine Conservation by, Thoothukudi	National	Participated	-	APC Mahalakshmi College	18.09.2013

Seminar on Role of Information and Communication technology	National	Participated	-	St. Mary's College (Autonomous), Thoothukudi	31.01.2014 & 1.02.2014
Seminar on Environmental Protection-ways and means	National	Participated	-	Sermathai vasan College for women, Madurai	16.07.2014
Workshop on funded Projects: Winning strategies for preparing proposal and impressive	National	Participated	-		19.11.2014 to 21.11.2014
Conference on Solar Energy	International	Participated	-	St. Mary's College (Autonomous) Thoothukudi	11. 02.2015
Seminar on Quality Enhancement in Higher Education: Teaching, Learning & Evaluation	National	Participated	-	IQAC, St. Mary's College (Autonomous), Thoothukudi	07.01.2016 to 08.01.2016
Seminar on Multidisciplinary Research	National	Participated	-	Marian Research Forum (MRF), St. Mary's college (Autonomous), Thoothukudi	20.02.2016
Attended the science academics lecture workshop on Recent Trends in Biological Sciences	-	Participated	-	Department of Microbiology, Kamaraj College, Thoothukudi	17.08.2016 & 18.08.2016

Conference on Cosmic Concerns: An Interdisciplinary Dialogue in Applied Ethics	National	Participated	-	IQAC, St.Mary's College (Autonomous), Thoothukudi	27.01.2017 & 28.01.2017
Workshop on Human Values Development Programme organized by All India Association for	-	Participated	-	St. Mary's College (Autonomous), Thoothukudi	2.2.2017
Seminar on Biology for Sustainable Environment	International	Presented	"Biosynthesis of silver nanoparticles and biochemical composition of selected mangrove from Punnakayal Estuary Tuticorin Coast"	Department of Environmental Biotechnology, Bharadhidasan University, Thoothukudi	7.03.2017 & 8.03.2017
Participated National seminar on "E- waste hazards and management" organized by centre for Eco feminine	National	Participated	-	St.Mary's college (Autonomous) Thoothukudi	9.03.2017
Seminar on Academic and Research Integrity in the Digital World	National	Participated	-	Research Forum and Department of Library, St. Mary's College (Autonomous), Thoothukudi	09.12.2017
Seminar on Research in India – Current state and future prospects	National	Participated	-	St. Mary's college (Autonomous) Thoothukudi	11.04.2018

**Dr. B. Maria Sumathi**

<b>Title of the Workshop/ Seminar/ FDP</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
Seminar on 'Herbal Research Methodology'	state	Participated	-	St.Mary's College, Thoothukudi	8.1.2014
Seminar on Quality enhancement in higher education: Teaching, Learning and Evaluation	National	Participated	-	St.Mary's College, Thoothukudi	7.1.2016 and 8.1.2016
Seminar on Multi disciplinary research	National	Participated	-	St.Mary's College, Thoothukudi	20.2.2016
Seminar on 'Role of Information and Communication Technology'	National	Participated	-	St.Mary's College, Thoothukudi	31.1.2014 and 1.2.2014
Workshop on Recent Trends in Biological Sciences	National	Participated	-	Kamaraj College, Thoothukudi	17.8.2016 and 18.8.2016
Workshop on Current Scenario in Plant Sciences	National	Participated	-	V.O.Chidambaram College, Thoothukudi	28.12.2016 and 29.12.2016.
Conference on 'Emerging Infectious Disease and Control'	National	Participated	-	Kamaraj College, Thoothukudi	22.12.2016 and 23.12.2016

Conference on Cosmic Concerns: An Interdisciplinary	National	Participated	-	St.Mary's College, Thoothukudi	27.1.2017 and 28.1.2017
Workshop on Human values development programme	National	Participated	-	St.Mary's College, Thoothukudi	2.2.2017
Seminar on Biology for Sustainable Environment	International	Presented	Green synthesis and characterization of silver	Bharathidasan University Tiruchirappalli	7.3.2017 and 8.3.2017

**Ms. S. Pauline Jenifer**

<b>Title of the Workshop/ Seminar/ FDP</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
Seminar on Academic and Research Integrity in the Digital World	National	Participated	-	Research Forum and Department of Library, St. Mary's College (Autonomous), Thoothukudi	09/12/2017
49 <sup>th</sup> Aqua-Terr Annual Conference on Biological Sciences	National	Participated	-	School of Biological Sciences, Madurai Kamaraj University, Madurai	27/02/2018 & 28/02/2018
Research in India- Current State and Future Prospects	National	Participated	-	Marian Research Forum, St. Mary's College (Autonomous), Thoothukudi	11/04/2018

International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMDR-2018)	International	Presented	A study on the Effect of NaCl stress on <i>Vigna radiata</i> (L.)Wilczek. Var Co-6	V.O. Chidambaram College, Thoothukudi	19/04/2018 & 20/04/2018
Fostering Transparency : Routing out Plagiarism A to Z	National	Participated		Department of Library and Research Forum, St. Mary's College (Autonomous), Thoothukudi	20/07/2018

*Lucia Rose*  
Principal  
SL Mary's College (Autonomous)  
Thoothukudi - 628 001.

## Annexure VIII

### Budget for the Research Centre (Item wise)

Year	Item	Amount
2012-13	Equipments	2,00,000
	Books & Journals	50,000
	Other Expenditure	15,000
2013-14	Equipments	2,00,000
	Books & Journals	50,000
	Other Expenditure	15,000
2014-15	Equipments	2,00,000
	Books & Journals	40,000
	Other Expenditure	25,000
2015-16	Equipments	2,00,000
	Books & Journals	45,000
	Other Expenditure	30,000
2016-17	Equipments	2,00,000
	Books & Journals	35,000
	Other Expenditure	20,000
2017-18	Equipments	2,00,000
	Books & Journals	35,000
	Other Expenditure	25,000

*Lucia Rose*  
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