

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI – 12

PROFORMA FOR RENEWAL OF RESEARCH CENTRE



PG AND RESEARCH DEPARTMENT OF ZOOLOGY

ST.MARY'S COLLEGE (Autonomous)

THOOTHUKUDI

2020

Inspection Commission Proforma for Recognition/ Renewal of Research Centre

1. Name of the College/ Institution : St. Mary's College
2. Head/ Co-ordinator of Research Centre : Hermin Pasangha
3. Name of the Department : Zoology
4. Courses offered (like U.G, P.G., M.Phil) :

Name of the Course	Starting Year
U.G	1963
P.G	1984
M.Phil	2010
Ph.D	2010

5. List of Faculty members now working (at present) : (Approved by the University)

Name of the Faculty	Qualification	Date of Appointment	Department	Area of Specialization
Dr. N. Arokiya Mary	M.Sc., M.Phil., Ph.D	01.07.1986	Zoology	Marine Biology
Dr. Hermin Pasangha	M.Sc., B.Ed., Ph.D	06.07.1987	Zoology	Toxicology
Dr. P.J. Joslin	M.Sc., M.Phil., Ph.D	06.12.2000	Zoology	Marine Biology
Dr.S.MaryBaptista Janet	M.Sc., M.Phil., B.Ed., Ph.D	17.01.2001	Zoology	Aquaculture
Dr.Sr. C. Shibana	M.Sc., B.Ed., M.Phil	05.10.2007	Zoology	Marine Biology
Dr. Jemma Hermelin Jesy Diaz	M.Sc., M.Phil., Ph.D	01.08.2014	Zoology	Marine Biology
Dr.S.Selvi	M.Sc., M.Phil., B.Ed., SET., Ph.D	22.11.2017	Zoology	Marine Biology

Dr.S.R.T.Sherly Cross	M.Sc., B.Ed., M.Phil., Ph.D	22.11.2017	Zoology	Marine Pharmacology
Dr. R. Sri priya (Awaiting approval)	M.Sc., Ph.D., NET	17.06.2019	Zoology	Biotechnology
Dr. M. Paripooranaselvi	M.Sc., M.Phil., B.Ed., Ph.D., SET	17.06.2019	Zoology	Ascidian Pharmacology
Dr. P. Subavathy	M.Sc., M.Phil., SET., Ph.D.,	17.06.2019	Zoology	Marine Biology

6. Library facilities for the Research Centre

Area in sq.ft	Total No. of Books Available	Total No. of Journals Available	Total No. of Computer Systems with Internet facilities
22'7''x 18'0''	2,309	14	Computer – 12 Laptop - 1 I.Q.Board - 1

List given below

S.NO.	JOURNAL NAME
1	RESONANCE: JOURNAL OF SCIENCE EDUCATION
2	INTERNATIONAL JOURNAL OF BIOLOGY RESEARCH
3	JOURNAL OF PLANT BIOCHEMISTRY AND BIOTECHNOLOGY
4	BIOLOGY TODAY
5	INDIAN JOURNAL OF MICROBIOLOGY
6	NATIONAL GEOGRAPHIC
7	INTERNATIONAL JOURNAL OF GEOGRAPHY, GEOLOGY AND ENVIRONMENT
8	INTERNATIONAL JOURNAL OF ENTOMOLOGY RESEARCH (THOMSON REUTERS)
9	INTERNATIONAL JOURNAL OF FAUNA AND BIOLOGICAL STUDIES
10	INTERNATIONAL JOURNAL OF FISHERIES AND AQUATIC STUDIES

11	INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN BIOLOGICAL SCIENCES
12	ICFAI JOURNAL OF SOFTSKILLS
13	COMPETITION AFFAIRS
14	THE WEEK

(a) No. of National Journal : 8

(b) No. of International Journal : 6

(c) **E-Journals**

Journals under N-LIST : 6000+e-journals

1,63,300 + e-books

(National Library and Information Service infrastructure for scholarly content)

NDL (National Digital Library) : Learning electronic resources from of NDL

India (6,00,000 e-books through NDL)

7. Area/ Space for the Research Scholars Room :

Research Scholars Room - 32'10'' x 15'5''

8. Facilities Available in the Research Centre :

(a)	Space for Research Scholars	
	- In the Department	<p>Research Scholars Room - 32'10'' x 15'5''</p> <p>Laboratory 1 - 18 '10" x 15' 11"</p> <p>Laboratory 2 - 23' 0" x 15' 11"</p> <p>Laboratory 3 - 33'10'' x 24'0''</p> <p>- 43'0'' x 10'0''</p> <p>Virtual Laboratory - 29'4" x 20'3"</p> <p>Instrumentation Room - 18'2''x 17'11''</p> <p>Wet Laboratory - 17'10''x 15'3''</p>

	- In the Library for reading	22'7''x 18'0''
(b)	Internet Facility	Available
(c)	Computer facilities with internet access and related software	12 + 1 (Laptop)
(d)	Uninterrupted power supply	Yes.
(e)	Water Supply	Yes.

(f)	For SCIENCE AND TECHNICAL DISCIPLINES	
	- Research Laboratory (provide the no. of labs, their space, and other infrastructures)	<p>Research Scholars Room - 32'10'' x 15'5''</p> <p>Laboratory 1 - 18 '10" x 15' 11"</p> <p>Laboratory 2 - 23'0" x 15' 11"</p> <p>Laboratory 3 - 33'10'' x 24'0''</p> <p>- 43'0'' x 10'0''</p> <p>Virtual Laboratory - 29'4" x 20'3"</p> <p>Instrumentation Room - 18'2''x 17'11''</p> <p>Wet Laboratory - 17'10''x 15'3''</p> <p>Other Infrastructure :</p> <p>Zoology Department has a spacious staff - room, tables with shelves 11, arm chairs 11, Computer 2, computer table 2, glass almirah 1, steel almirah1 and a rack for records. There is a store room adjacent to the staff room with dissection table 1 chair 5, refrigerator1, racks for microscope 2, small cabinet for slides1, almirah for files and chemicals 3, small table1 and</p>

		ladder. Dissection table 44, Stools 100, Dissection Board 80, Dissection bowls 100, Pin cups 40, Compound microscope 76, Dissection microscope 41.
	- List of Minor Equipments along with date of purchase with cost (between Rs.10,000/- to Rs. 1,00,000/-)	Annexure -I
	- Major Equipments along with date of purchase with cost (> Rs. 1,00,000/-)	Nil

9. Total Number of ongoing Research Scholars (Scholars from the other departments of the Colleges)

Full time	Part time
9	3 (other department)

10. Total number of scholars already completed (Scholars from the other departments of the college)

Full time	Part time
4	2

11. Budget allocation (Year wise)

Previous Year		Current Year	
Equipment	- Rs. 24,570	Books	-Rs. 45,000/-
Chemicals & Glasswares	- Rs. 52,637	Equipment	-Rs. 1,25,375/-
Books	- Rs 10,000	Chemicals & Glassware	-Rs. 28,814
Total	- Rs. 87,207/-	Total	-Rs. 2,00,189/-

12. Conferences/ Seminar conducted

Activity	Date	Resource Persson
International Webinar on “Marine Biology”	11.08.2020	Dr. I. Jagadis, Principal Scientist & Scientist in Charge, Tuticorin Research Station of CMFRI, Tuticorin Prof. Kirsten Benkendorff, Director, National Marine Science Centre, School Environment, Science and Engineering, Southern Cross University, Lismore, Australia
International Webinar on “A Path to Wellness : Diabetes and Me”	26.06.2020	Dr.Aarathy Kannan Consultant Physician & Diabetologist Sundaram Arulraj Hospitals, Thoothukudi Dr.Aarthi Surendran Consultant in Diabetes & Endocrinology University Hospital Lewisham London
Webinar on Covid 19 –A Herculean Challenge to Human Immunology	5.06.2020	Dr.P. Rajavel Murugan M.D (Gen) DCH Associate Professor Department of General Medicine Government Medical College Thoothukudi

International Seminar on Wonderful World of Oceans: Emerging Trends and Implications	12.02.2019	<p>Dr.K. Marimuthu Professor Department of Biotechnology AIMST University Malaysia</p> <p>Dr. L. Ranjith Scientist Central Marine Fisheries Research Institute Thoothukudi</p>
Marine BioResources : Prospects and Threats	11.02.16 To 12.02.2016	<p>Dr. Biju Kumar Head of the Department of Aquatic Biology and Fisheries University of Kerala, Thiruvananthapuram</p> <p>Dr. V. Deepak Samuel Scientist Conservation of coastal and Marine Resources division National centre for Sustainable Coastal Management Government of India, Chennai</p> <p>Dr. Saravanan Scientist Regional centre Central Marine Fisheries Research Institute Mandabam</p> <p>Dr. L. Ranjith Scientist</p>

		<p>Central Marine Fisheries Research Institute Thoothukudi</p> <p>Dr. H. Abdul Joffer Ali Assistant Professor Department of Biotechnology Islamiah College Vaniambadi</p> <p>Dr. J. Tagore Deroose Director Chevalior Roch Victoria K.S.G. Memmorial Trust Society Thoothukudi</p> <p>Dr. S. AjmalKhann Professor Emeritus Centre for Advanced Studies in Marine Biology, Parangipettai</p>
Orientation on Research	18.02.2015	<p>Dr. Florida M.D. Biozone Research Technologies, Chennai. Mr.Aneesh Technician Biozone Research Technologies, Chennai</p>
Ornamental Fish Culture and Management	02.09.2015	<p>Dr. M. Sakthivel Director Self supportive Courses Kamaraj College Thoothukudi</p> <p>Mr. G. Saravanan Aqua farmer Sidha Aqua Farm Sakkammalpuram</p>

		Thoothukudi Dr. M. Glory Associate professor of Botany St. Mary's College Thoothukudi.
--	--	-----------------------------------------------------------------------------------------------------------

FACULTY TRAINING PROGRAMME

S.No.	DATE	TITLE	RESOURCE PERSON
2	20.08.2019 to 22.08.2019	Basic Techniques in Molecular Biology	1 Dr.S. Karutha Pandian, Professor and Head, Department of Biotechnology, Alagappa University, Karaikudi.
			2 Dr.Jasmine M.Shah, Assistant Professor, Department of Plant Science, School of Biological Sciences, Central University of Kerala, Kasaragod.
			3 Dr.H.Abdul Jaffar Ali, Assistant Professor, Department of Biotechnology, Islamiah College,Vaniyambadi.
			4 Dr.R.SriPriya,Assistant Professor,Dept.of Zoology, St.Mary's College (Autonomous), Thoothukudi.
			Biozone Research Technologies Pvt .Ltd.,Chennai.
			2 Mr.Shanmuga Sundaram,Senior Researcher, Biozone Research Technologies Pvt. Ltd. ,Chennai.
			3 Ms.Chandralekha, Junior Researcher, Biozone Research Technologies Pvt.Ltd., Chennai

S.No.	DATE	TITLE	RESOURCE PERSON
1	16.03.2020	Virtual Dissection	1. Professor M.A. Akbarsha, Research Coordinator, National College,Trichirapalli. 2. Dr. B.Kadalmanni,Assistant Professor, Department of Animal Science, Bharathidasan University,Trichirapalli.
2	07.03.2020	Trash to Treasure: Sea Shell Crafts	Mrs.X.Rajathi,M StarInstitute,Thoothukudi.
3	08.08.2019	Value Added Fishery Products	1.Dr.D.Sukumar,Professor & Head of DFPT, FCRI,Thoothukudi.
			2.Mr.P.Ganesan,Assistant Professor, DFPT, FCRI,Thoothukudi.
			3.Mr.F.Parthiban,Assistant Professor, DFPT, FCRI,Thoothukudi.
			4.Mr. V.Vijayarahavan, Assistant Professor, DFPT, FCRI, Thoothukudi.
			5.Ms.A. Sarojini,Teaching Assistant, DFPT, FCRI,Thoothukudi.

13. Research Proposal with Plan of Action PROPOSALS SUBMITTED

Name of the staff	Funding agency	Applied for
Dr.C.Shibana	Tamilnadu State Council for Higher education(FAC)	Minor Research Project Proposal.

FUND RECEIVED

Name of the staff	Funding agency	Amount Sanctioned
Dr. Sr. C. Shibana	TNSCST	1,00,000

Action Plan

1. To establish apiary in our Campus
2. To cultivate mushroom
3. To establish vermicomposting unit
4. Making of jute products.

14. Research Publications

Dr. P.J. Joslin

International

Title of the paper	Name of the journal	Year	Impact factor
Antibacterial activity of Marine Puffer fish <i>Chenlnodonpatoca</i> from Thoothukudi coast	Golden Research Thoughts	2016	4.6052
DNA-RFLP Profiles for marine puffer fish <i>Arothron stellatus</i> from Thoothukudi coast	Golden Research Thoughts	2016	4.6052
Proximate Compostion and preliminary Screening of secondary metabolites from various tissues of puffer fish from Tuticorin coast	Golden Research Thoughts	2016	4.6052
Determiration of antibacterial activity of marine puffer fish <i>Arothron immaculatus</i> collected from Thoothukudi coast	International Journal of Research	2018	5.6
Antibacterial and antifungal activities of marine puffer fish <i>Lagocephaluslunaris</i> collected from Thoothukudi coast	International Journal of Scientific Research and Review	2018	1.536
Antibacterial and Antifungal analysis of crude extracts from the tissues of marine puffer fish <i>Arothronstellatus</i>	International Journal of Scientific Research and Review	2018	1.536

National

Title of the paper	Name of the journal	Year	Impact factor
Antipyretic activity of methylene chloride extracts of two marine sponges <i>Axinelladonnanni</i> and <i>Clathiraprocera</i> from Tuticorin coast	Indian Streams Research Journal	2016	5.1651
Synthesis of Silver nanoparticles from tissue extracts of Marine puffer fish <i>Arothronstel latus</i>	Indian Streams Research Journal	2017	

Dr.S.Mary Baptista Janet

International

Title of the journal	Name of the journal	Year	Impact
----------------------	---------------------	------	--------

			factor
Molecular Characterization of Protein and Antioxidant Capacity of <i>Turbo brunneus</i> R. <i>Cypraea annulus</i> L. and <i>Babylonia spirata</i> L.	International Journal of Pharmaceutical Sciences and Research	2020	1.230

Dr. Sr. C. Shibana

International

Title of the journal	Name of the journal	Year	Impact factor
Assessment of antipyretic activity of the marine gastropod <i>Babylonia spirata</i>	International Journal of Current Research	2017	7.749
Antioxidant activities of aqueous and methanolic extracts of the crab	World Journal of Pharmaceutical Sciences	2017	6.647
Antimicrobial activities of the shell of the crab <i>Portunus pelagicus</i> (Linnaeus,1758) from Thoothukudi Coast	International Journal of Current Research.	2017	7.749
Physico chemical parameters of drinking water from three different stations of Thoothukudi district	World Journal of Pharmaceutical Sciences	2017	6.647
Antibacterial activity of Crab <i>Portunus pelagicus</i> from three stations of Gulf of Mannar coast.	International Journal of Recent Research Aspects	2018	-
Biochemical composition of the marine crab <i>Portunus pelagicus</i> from Gulf of Mannar.	International journal of scientific research and Review	2018	6.946

National

Title of the journal	Name of the journal	Year	Impact factor
Investigation of heavy metal accumulation in water, sediment and some body parts of crab <i>Scylla serrata</i> from Thoothukudi and Punnaikayal coast	Marian Quest	2017	-

Dr. Jemma Hermelin Jesy Diaz

International

Title of the journal	Name of the journal	Year	Impact factor
GC-MS Analysis of methanolic extract from the ink of cephalopods	World Journal of Pharmacy and Pharmaceutical Sciences	2016	SJIF-5.210
Screening of Antimicrobial activities in the ink of cephalopods against human pathogens	World Journal of Pharmacy and Pharmaceutical Sciences	2016	6.041
Activation of cephalopods ink on macrophages against 264.7 cell line	World Journal of Pharmacy and Pharmaceutical Sciences	2016	6.041
Extraction, Characterization and Assessment of The Potential of the tissue extract of <i>Sepia brevimana</i> from Mannar	World Journal of Pharmacy and Pharmaceutical Sciences	2016	6.041
Antioxidant activities of aqueous and methanolic extract of the crab <i>Charibdis feriatus</i>	World Journal of Pharmacy and Pharmaceutical Sciences	2017	6.647
Biosynthesis of silver nanoparticles using tissue extract of <i>Turbo brunneus</i> (R), <i>Cypraea annulus</i> , (L), <i>Babylonia</i> (L) and their antibacterial potential	International Journal of Advanced Research in Biological Sciences	2019	6.433
GC-MS Analysis and Anti-inflammatory Activity of <i>tribulus</i>	International Journal of Pharmacy and Pharmaceutical Sciences and Research	2020	0.27
Antidiabetic (AD) studies of Bis Glycine Hydro Bromide (BGHB) crystals milled to nano scale of 219 nm preliminary fine particles	Materials Today: Proceedings Elsevier	2020	0.97

Dr. S. Selvi**International**

Title of the journal	Name of the journal	Year	Impact factor
Determination of antibacterial activity of marine puffer fish <i>Arothronimmaculatus</i> collected from Thoothukudi coast	International Journal of Research	2018	5.6
Antibacterial and antifungal activities of marine puffer fish <i>Lagocephaluslunaris</i> collected from Thoothukudi coast	International Journal of Scientific Research and Review	2018	1.536.
Antibacterial and Antifungal analysis of crude extracts from the tissues of marine puffer fish <i>Arothron stellatus</i>	International Journal of Scientific Research and Review	2018	4.396

National

Title of the journal	Name of the journal	Year	Impact factor
Antibacterial activity of marine puffer fish <i>Chelonodonpatoca</i> from Thoothukudi Coast.	Golden research thoughts	2016	3.4052
DNA-RFLP Profile for marine puffer fish <i>Arothron stellatus</i> from Thoothukudi coast .	Golden research thoughts	2016	3.4052
Proximate Composition and preliminary Screening of secondary from various tissues of puffer fish <i>Arothronstellatus</i> from Thoothukudi coast.	Golden research thoughts	2016	3.4052
Synthesis of silver nanoparticles from tissue extracts of marine puffer fish <i>Arothron stellatus</i>	Indian streams research journal	2017	0.2105

Dr. S.R.T. Sherly Cross**International**

Title of the journal	Name of the journal	Year	Impact factor
Analysis of Heavy Metal Concentration of Tuticorin	International Conference on Bio-Commerce 2019 Dept. of Zoology and	2019	-

Mangrove Eco System	Research Centre, Aditanar College of Arts and Science, Tiruchendur, TN.		
Studies on Plankton Diversity of Tuticorin Mangrove Ecosystem – Shanlax International Journal of Arts , Science and Humanities	Shanlax International Journal of Arts, Science and Humanities.	2018	-

National

Title of the journal	Name of the journal	Year	Impact factor
Diversity and Seasonal Variation of Fishes in Tuticorin Mangrove Ecosystem	Marian Quest, A Biannual Multidisciplinary Research Journal, St. Marys College Tuticorin	2018	-

Dr. R. Sri Priya

International

Title of the journal	Name of the journal	Year	Impact factor
Enhancement of sheath blight resistance in transgenic rice by combined expression of tobacco osmotin (<i>ap24</i>) and rice chitinase (<i>chi11</i>) genes	In Vitro Cell. Dev. Biol.- Plant	2017	1.841

National

Title of the journal	Name of the journal	Year	Impact factor
Agrobacterium T-DNA insertion in the rice DWARF SHOOT AND DEFECTIVE PANICLE1 (DSDP1) gene causes a severe dwarf phenotype, reduces plant vigour, and affects seed germination.	Journal of Plant Biochemistry and Biotechnology	2017	0.565

Dr. M. Paripooranaselvi

International

Title of the journal	Name of the journal	Year	Impact factor
Anticancer Property of Simple Ascidian <i>Phallusianigra</i> Savigny, 1816 against	International Journal of Science and Research	2016	6.391

MDA-MB-231 Cells)	DOI: 10.21275/ART20163645		
Immunostimulating Activities of Tunicate- <i>Phallusia nigra</i> Savigny, 1816 on MDA-MB-231 Tumor Bearing Mice.	International Journal of Recent Research Aspects	2018	-

Dr. P. Subavathy

International

Title of the journal	Name of the journal	Year	Impact factor
A study on anti-arthritic activity of methanolic extract of <i>Cypraea Arabica</i>	International Journal of Pharmaceutical Sciences Review and Research	2016	2.191
GC-MS analysis of bioactive compounds from whole body tissue methanolic extract of <i>Cypraea Arabica</i>	World Journal of Pharmaceutical Research	2016	6.805
Activity of digestive enzymes and intestinal microflora in the marine gastropod <i>Fusinus nicobaricus</i> (Roeding, 1798)	World Journal of Pharmaceutical Research	2017	7.523
Biochemical composition of the marine crab <i>Portunus pelagicus</i> from Gulf of Mannar	International Journal of Scientific Research and Review	2018	6.1
Diuretic potential of methanolic extract of <i>Cypraea arabica</i> in albino rats	International Research Journal of Pharmacy	2019	0.129
Biosynthesis of silver nanoparticles using tissue extracts of <i>Turbo brunneus</i> (R.), <i>Cypraea annulus</i> (L.) and <i>Babylonia spirata</i> (L.) and their antibacterial potential	International Journal of Advanced Research in Biological Sciences	2019	6.433
Molecular Phylogenetic Analysis of <i>Turbo Brunneus</i> (R.1798), <i>Cypraea annulus</i> (L.1758) and <i>Babylonia Spirata</i> (L.1758)	Advances in Zoology and Botany	2020	-
Molecular Characterization of Protein and Antioxidant Capacity of <i>Turbo brunneus</i> R. <i>Cypraea annulus</i> L. and <i>Babylonia spirata</i> L.	International Journal of Pharmaceutical Sciences and Research	2020	1.230

National

Title of the journal	Name of the journal	Year	Impact factor
Evaluation of wound healing activity of methanolic extract of <i>Tonna dolium</i> (L.1758)	IOSR Journal of Pharmacy	2018	1.448
Analgesic, anti-pyretic and anti-inflammatory activities of marine gastropod <i>cypraea arabica</i> (Linnaeus, 1758)	Journal of Experimental Zoology, India	2018	-
Histological Investigation of the Digestive System and SEM Study of Radula in <i>Fusinusnicobaricus</i> (Gastropoda: Fascioliidae)	Indian Journal of Animal Research	2020	0.437

15. Specialization of the Research Centre : Microbiology, Malacology, Pharmacology,
Aquaculture, Marine Biology, Biotechnology,
Toxicology

16. List of Supervisors at present

Name of the registered supervisors	Scholars completed Ph.D under them	Title of the thesis	Year of Completion
Dr. R. D. Thilaga	P. Rama Devi	Some therapeutic applications of lectin isolated from sea urchin, <i>Temnopleurus alexandri</i> (Bell,1884)	18.01.2016
„	S. Mary Bapista Janet	Reproductive and nutritional biology of fresh water fish <i>Puntius arulius tambraparni</i>	29.07.2016
„	P. Subavathy	Exploring the possible avenues for DNA sequencing, pharmacology and nanoparticles in <i>Turbo brunneus</i> (R. 1798), <i>Cypraea annulu</i> (L.1758) and <i>Babylonia spirata</i> (L. 1758)	18.04.2018
„	Thanga Rani	A survey on some vector borne diseases in	03.08.2020

		Thoothukudi town and a holistic approach to prevent them	
”	Bhavani Saraswathy	Probing the pharmacological feasibility of marine Gatrophd <i>Phalium glaucum</i>	01.10.2020
Dr. P.J. Joslin	Dr. S. Selvi	Screening of bioactive compounds in marine pufferfish <i>Arothron hispidus</i> (Linnaeus,1758) from Thoothukudi Coastal region	02.08.2019
Dr. Jemma Hermelin Jesy Diaz	-	-	
Dr. Sr. C. Shibana	-	-	
Dr. P. Subavathy	-	-	

Ongoing Scholars

Name and address	Title	Register No. and date of Commencement	Full time/part time	Fellowship	Completed
Jeyarubi 55, Melashanmugapuram 4 th St. Vannar 1 st Street, Tuticorin-2	Finding the suitability of <i>Hemifusus pugillinus</i> in pharmacological research	11974 13.07.2015	Full time	Nil	Nil
T. Esther Elsie, 130/4,Beach road,	Exploring <i>Tonnadolium</i> (Linnaeus,1758) as a	12382	Full time	Nil	Nil

Thoothukudi 1	probable candidate animal for marine drugs by studying the biosystematics, biochemical, digestive physiology and pharmacology.	12.08.2016			
Jenivi 6/445, 1 st street, St.	Studies on biological, biochemical, microbiological, pharmacological and pollution aspects of <i>Telescopium telescopium</i>	1721221201 2003 8.02.2017	Full time		
Ms. T. Mallika W/o R. ShailasRaj ,Amsi, Thengapattanam, K.K.dist	Biological Activity of chemical compounds from marine sponges	10082 11- 3- 2013	Full time	Nil	Nil
A.MariaHeartinaAdlinVaz 218- 202 B Thomas Nagar 7 th Street, George Road, thoothukudi -628001	Biocompetitive Exclusion of Sulfate Reducing Bacteria in Biofilm Community – A novel and an ecofriendly approach to control microbiologically influenced corrosion	1812221219 2001 10- 1 2018	Part time	Nil	Nil
S. Jamesammal 400/1C Lion's Town Ist Street, Thoothukudi - 628001	Beneficial role of Lactic acid bacteria in food preservation and human health	1822221227 2014 5-7-2018	Part time	Nil	Nil
C. Gayathri 82, 6 th Street, Muthukrishnapuram,	Biopotential of compatible solutes isolated from marine	1822221210 2013	Part time	Nil	Nil

thoothukudi- 628002	bacteria of Thoothukudi Coast	5-7-2018			
P. Kanthimathi 3-70 East Street, A Kumarapuram, Kurrukkuchalai, Thoothukudi- 628722	Screening and Characterization of Bacteria Associated with Puffer Fish from Thoothukudi coast	2011221219 2003 7.3.2030	Full time	Nil	Nil
J. Esther Mereen 3F/7, Sundaravelpuram, 8 th Street, Tuticorin- 628 002	Marine Bioluminescent Bacteria: Genomic Studies and its role as Environmental Biosensor	1921221219 2017 29.08.2019	Full Time	Nil	Nil
G.Monica 372/13 B, Lionstown, 7 th Street, Thoothukudi-628001	Probing the Pharmacological Efficacies of Synthesized Nanoparticles from the Ink of Sepia Species	1911221219 2007 24.12.2007	Full Time	Nil	Nil
S. MotchaArockiaVinista 1/283, Church street, Keelavaippar, Thoothukudi-628 903	Screening of Some Novel Therapeutic Compounds from Sea Urchin Species	1911221219 2011 24.12.2018	Full Time	Nil	Nil
A.Mariaselvafrancis 2/114 south street, periasampuram, Thoothukudi(dis)-628906	Exploration of potential bioactive compounds of starfish species	1911221219 2010 24.12.2018	Full Time	Nil	Nil

Scholars already completed

Name and address	Title	Register No. and date of Commencement	Full time/part time	Fellowsh ip	Completed
P. Rama Devi	Some therapeutic applications of lectin isolated from sea urchin,	9140 29.6.2012	Full time	Nil	18.01.2016

	<i>Temnopleurus alexandri</i> (Bell,1884)				
S. Mary Bapista Janet	Reproductive and nutritional biology of fresh water fish <i>Puntius arulius tambraparnei</i>	1884 2003	Part time	Nil	29.07.2016
P. Subavathy	Exploring the possible avenues for DNA sequencing, pharmacology and nanoparticles in <i>Turbo brunneus</i> (R. 1798), <i>Cypraea annulu</i> (L.1758) and <i>Babylonia spirata</i> (L. 1758)	11091 24.01.2014	Full time	Nil	18.04.2018
Thanga Rani	A survey on some vector borne diseases in Thoothukudi town and a holistic approach to prevent them	10265 29.05.2013	Full Time	Nil	03.08.2020
Bhavani Saraswathy	Probing the pharmacological feasibility of marine Gatropod <i>Phalium glaucum</i>	11920 24.06.2015	Full Time	Nil	01.10.2020
S. Selvi	Screening of bioactive compounds in marine pufferfish <i>Arothron hispidus</i> (Linnaeus,1758) from Thoothukudi Coastal region	11092 24.01.2014	Part Time	Nil	02.08.2019

Details of the Supervisor

Name: **Dr. P.J. Joslin**

Designation: **Associate Professor**

Address: **76/3, Muniasamy Koil Street, Thoothukudi, 628002**

Phone Number: **9442323091**

Mail ID: **jos.mathias67@gmail.com**

Permission letters of the supervisor (Guideship approval letter):
MSU/RES/INT/GUIDESHIP/R5/2010 (Attached)

Articles published

Title	Periodicity of the article	Name of the Journal	Page	Year	Journal No. ISBN/ISSN/Impact factor No.
Antipyretic activity of methylene chloride extracts of two marine sponges Axinelladonnanni and Clathiraprocera from Tuticorin coast		Indian Streams Research Journal	1 – 5	2016	ISSN-2230-7850 IF 5.1651

Antibacterial activity of Marine Puffer fish <i>Chenlnodonpatoca</i> from Thoothukudi coast		Golden Research Thoughts	1- 6	2016	ISSN -2231-5063 IF 4.6052
DNA-RFLP Profiles for marine puffer fish <i>Arothronstellatus</i> from Thoothukudi coast.		Golden Research Thoughts	28 – 34	2016	ISSN- 2231 – 5063 IF 4.6052
Proximate Compostion and preliminary Screening of secondary metabolites from various tissues of puffer fish from Tuticorin coast		Golden Research Thoughts	1- 5	2016	ISSN- 2231 – 5063 IF 4.6052
Synthesis of Silver nanoparticles from tissue extracts of Marine puffer fish <i>Arothronstel latus</i>		Indian Streams Research Journal	1-7	2017	ISSN-2230-7850 5.1651
Determnation of antibacterial activity of marine puffer fish <i>Arothronimmaculatus</i> collected from Thoothukudi coast		International Journal of Research	83 – 89	2018	ISSN- 2348-6848 IF 5.6
Antibacterial and antifungal activities of marine puffer fish <i>Lagocephaluslunaris</i> collected from Thoothukudi coast		International Journal of Scientific Research and Review	493 - 502	2018	ISSN- 2279-0543 IF 1.536
Antibacterial and Antifungal analysis of crude extracts from the tissues of marine puffer fish <i>Arothronstellatus</i>		International Journal of Scientific Research and Review	303-316	2018	ISSN- 2279-0543 IF 1.536

Details of the supervisor

Name: **Dr. Sr. C. Shibana**

Designation: **Assistant Professor**

Address: **Servite Convent, 104, North Beach Road, St. Mary's College (Autonomous), Thoothukudi-628001**

Phone Number: **9952294082**

Mail ID : **cshibana@gmail.com**

Permission letters of the supervisor (Guideship approval letter):

MSU/RES/Ph.D./Guideship/2020

Title	Name of the Journal	Page	Rate	Year	Book No,
Book Title : Environmental Studies			750	2019	ISBN:978-93-88805-96-4

Articles published

Title	Periodicity of the article	Name of the Journal	Page	Year	Journal No. ISBN/ISSN/Impact factor No.
Assessment of antipyretic activity of the marine gastropod <i>Babyloniaspirata</i>	-	International Journal of Current Research	46476-46478	2017	0975-833X IF 7.749
Antioxidant activities of aqueous and methanolic extracts of the crab	-	World Journal of Pharmaceutical Sciences	8000-8004	2017	2278 – 4357 IF 6.647
Antimicrobial activities of the shell of the crab <i>Portunus pelagicus</i> (Linnaeus,1758) from Thoothukudi Coast	-	International Journal of Current Research.	47842-47845	2017	0975-833X IF 7.749
Physico chemical parameters of drinking	-	World Journal of Pharmaceutical	1067-1075	2017	2278-4357

water from three different stations of Thoothukudi district		Sciences			IF 6.647
Investigation of heavy metal accumulation in water, sediment and some body parts of crab <i>Scylla serrata</i> from Thoothukudi and Punnaikayal coast	-	Marian Quest	154-161	2017	2249-7145
Antibacterial activity of Crab <i>Portunus pelagicus</i> from three stations of Gulf of Mannar coast.	-	International Journal of Recent Research Aspects	723-726	2018	ISSN : 2349-7688
Biochemical composition of the marine crab <i>Portunuspelagicus</i> from Gulf of Mannar.	-	International journal of scientific research and Review	318-337	2018	2279-543X IF 6.946

Details of the supervisor

Name: **Jemma Hermelin Jesy Diaz**

Designation: **Assistant Professor**

Address: **2G/342 Rajiv Nagar, Thoothukudi**

Phone Number: **9790322791**

Mail ID : **jesydiaz1973@gmail.com**

Permission letters of the supervisor (Guideship approval letter):

MSU/RES/INT/GUIDESHIP/R5/2017

Articles published

Title	Periodicity of the article	Name of the Journal	Page	Year	Journal No. ISBN/ISSN/Impact factor No.
GC-MS Analysis of methanolic extract from the internal shell of cephalopods		World Journal of Pharmacy and Pharmaceutical Sciences	820-831	2016	ISSN 2278-4357 IF 5.210
Screening of Antimicrobial activities in the ink of cephalopods against human pathogens		World Journal of Pharmacy and Pharmaceutical Sciences	778-782	2016	ISSN 2278-4357 IF 6.041
Activation of cephalopods ink on macrophages against RAW 264.7 cell line		World Journal of Pharmacy and Pharmaceutical Sciences	2478-2486	2016	ISSN 2278-4357 IF 6.041
Extraction, Characterization and Assessment of Therapeutic Potential of the tissue extract of <i>Sepia brevimana</i> from Gulf of Mannar		World Journal of Pharmacy and Pharmaceutical Sciences	1137-1148	2016	ISSN 2278-4357 IF 6.041

Antioxidant activities of aqueous and methanolic extracts of the crab <i>Charibdisferiatus</i>		World Journal of Pharmacy and Pharmaceutical Sciences	800-804	2017	ISSN 2278-4357 IF 6.647
Biosynthesis of silver nanoparticles using tissue extracts of <i>Turbobrunneus</i> (R), <i>Cypraea annulus</i> , (L), <i>Babylonia spirata</i> (L) and their antibacterial potential		International Journal Advanced Research Biological Sciences	121-129	2019	ISSN 2448-8069 IF 6.433
GC-MS Analysis and Anti-inflammatory Activity of <i>Murex tribulus</i>		International Journal Pharmaceutical Science and Research	6184-6188	2020	ISSN- 2320-5148 IF 0.27
Antidiabetic (AD) studies of Bis Glycine Hydro Bromide – BGHB crystals milled to nano scale of 219 nm as the preliminary fine particles		Materials Today: Proceedings Elsevier	3763-3765	2020	ISSN- 2214-7853 IF 0.97

Details of the supervisor

Name: Dr. P. Subavathy.

Designation: Assistant Professor

Address: 4B/59, New Salt Colony, Thoothukudi, 628003.

Phone Number: 9159319897

Mail ID: subavathy23@gmail.com

Permission letters of the supervisor (Guideship approval letter):

MSU/RES/Ph.D/GUIDESHIP/R1/2019

Books published

Title	Name of the Journal	Page	Rate	Year	Book No,
Biochemistry Volume I			365	2020	978-93-80430-55-3

Articles published

Title	Periodicity of the article	Name of the Journal	Page	Year	Journal No. ISBN/ISSN/Impact factor No.
A study on anti-arthritic activity of methanolic extract of <i>Cypraea Arabica</i>		International Journal of Pharmaceutical Sciences Review and Research	229-233	2016	0976 – 044X IF 2.191
GC-MS analysis of bioactive compounds from whole body tissue methanolic extract of <i>Cypraea Arabica</i>		World Journal of Pharmaceutical Research	800-806	2016	2277– 7105 IF 6.805
Activity of digestive enzymes and intestinal microflora in the marine gastropod <i>Fusinus nicobaricus</i> (Roeding, 1798)		World Journal of Pharmaceutical Research	1082-1087	2017	2277-7105 IF 7.523
Evaluation of wound healing activity of methanolic extract of <i>Tonna dolium</i> (L.1758)		IOSR Journal of Pharmacy	47-51	2018	2250-3013 IF 1.448

Analgesic, anti-pyretic and anti-inflammatory activities of marine gastropod <i>Cypraea arabica</i> (Linnaeus, 1758)		Journal of Experimental Zoology, India	1033-1037	2018	<u>0972-0030</u>
Biochemical composition of the marine crab <i>Portunus pelagicus</i> from Gulf of Mannar		International Journal of Scientific Research and Review	318-337	2018	2279-543X IF 6.1
Diuretic potential of methanolic extract of <i>Cypraea arabica</i> in albino rats		International Research Journal of Pharmacy	118-120	2019	2230-8407 IF 0.129
Biosynthesis of silver nanoparticles using tissue extracts of <i>Turbo brunneus</i> (R.), <i>Cypraea annulus</i> (L.) and <i>Babylonia spirata</i> (L.) and their antibacterial potential		International Journal of Advanced Research in Biological Sciences	121-129	2019	2348-8069 IF 6.433
Histological Investigation of the Digestive System and SEM Study of Radula in <i>Fusinus nicobaricus</i> (Gastropoda: Fascioliidae)		Indian Journal of Animal Research	191-195	2020	0367- 6722 (Print) 0976-0555(Online) IF 0.437
Molecular Phylogenetic Analysis of <i>Turbo Brunneus</i> (R.1798), <i>Cypraea annulus</i> (L.1758) and <i>Babylonia Spirata</i> (L.1758)		Advances in Zoology and Botany	251-257	2020	2331-5083 (Print) 2331-5091 (Online)
Molecular Characterization of Protein and Antioxidant Capacity of <i>Turbo brunneus</i> R. <i>Cypraea annulus</i> L. and <i>Babylonia spirata</i> L.		International Journal of Pharmaceutical Sciences and Research	3285-3293	2020	E-ISSN: 0975-8232 P-ISSN: 2320-5148 IF 1.230

Annexure

8. (f)

Department of Zoology List of Major and Minor Equipments

Minor Equipments

S.No	Particulars	No	Date of Purchase	Cost
1	Rough balance	2	12.09.2016	2x3400 = 6800.00
2	Electronic balance	1	31.03.2018	41,477.00
3	Rotary vacuum Evaporator	1	26.03.2019	67,000.00
4	UV Transilluminator	1	26.03.2019	21,500.00
5	Olympus microscope	1	05.06.2019	8200.00
6	Olympus Dissection microscope	1	05.06.2019	2185.00
7	Heating mantle	1	07.08.2019	1600.00
8	Olympus students monocular microscope model HSA	5	07.08.2019	5x 7100 = 35,500.00
9	Olympus students monocular microscope model HC	5	07.08.2019	5x 7600 = 38,000.00
10	UV Visible Spectro Photometer, SOXLET Extraction apparatus	1	12.09.2019	39,990.00
11	Computer systems,UPS, Table	7	08.01.2020	2,94,000.00
12	Digital colony counter	1	08.01.2020	14,150.00
13	Image Analysis Software with - Computer System	1	08.01.2020	75,000.00
14	Virtual Dissection Software	10	08.01.2020	78,500.00
15	Microscopic HD Camera	1	08.01.2020	66,000.00
16	BOD Analyzer	1	08.01.2020	92,000.00
17	Urine Analyzer	1	08.01.2020	59,000.00
18	Egg Incubator	1	08.01.2020	62,000
19	Student microscope	2	08.01.2020	2x16400 = 32800.00

	Haemocytometer	2	06.02.2020	2x1550 = 3100.00
	Stage and ocular micrometer	2	06.02.2020	2x1550 = 3100.00
	Plankton Net (Regular Model)	1	06.02.2020	19,800
	Digital Sphygmomanometer	1	06.02.2020	7,526.00
	Refractometer – hand held	2	06. 02.2020	19,800.00
	Digital Thermometer	2	06. 02.2020	2x600 = 1200
	Digital Glucometer	2	06. 02.2020	2x1600 = 3200
	Gel Electrophoresis Unit with Power Pack	1	06.02.2020	42,000.00
	Photo colorimeter	1	25.02.2020	11,200.00
	Cyclomixer (vortex)	1	25.02.2020	12,200.00
	Photocolorimeter	1	08.03.2021	7,000.00
	Orbital Shaker	1	08.03.2021	20,000.00
	Shaker incubator	1	08.03.2021	7,000
	Cooling Incubator Shaker	1	22.03.2021	93,515

Hermin Pasangha
HERMIN PASANGHA M.Sc., Ed., Ph.D.,
 Associate Professor,
 PG & Research Department of Zoology
 St. Mary's College (Autonomous)
 Thoothukudi - 620 001.

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

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