

DEPARTMENT OF ZOOLOGY NEWSLETTER

2019 - 2020



From HoD's Desk

“Adaptability to change is itself a hallmark of successful education” - Peter Hilton

It is a matter of great pride to pen down this message for the newsletter of the academic year 2019-2020, a year that challenged us to adapt to new teaching learning process in response to the unprecedented impact of COVID-19. Faced with the challenging task of conducting virtual classes and online examinations, our vibrant and skilled teachers tailored themselves to this new situation by applying new tools and techniques of teaching. I greatly commend the faculty for attending and organizing faculty training programme, virtual conferences and webinars, continually evolving to meet the needs of students and the ever-changing demands of the educational landscape.

Change can feel overwhelming as it pushes the students out of their comfort zones but it is through these moments of transformation that they gain new learning experience. They deserve great appreciation for adjusting and adapting themselves to this new transition. Incorporating new technologies, adjusting to shifting societal trends while remaining flexible and open-minded enhances their knowledge by making education relevant and dynamic, ensuring resilience in a rapidly changing world.

I acknowledge the STAR College Scheme sponsored by the Department of Biotechnology, Ministry of Science and Technology for providing a variety of opportunities to help our students attain higher potential. I would like to extend my best wishes to the teaching staff and students on the publication of this newsletter and I wish them to continue their journey on the road of excellence.

Hemin Pasangla



Editorial Team

Dr. Hermin Psangha

Dr. N. Arokiya Mary

Dr. P. J. Joslin

Dr. S. Mary Baptista Janet

Dr. Sr. C. Shibana

Dr. Jemma Hermelin Jesy Diaz

Dr. S.R. T. Sherley Cross

Dr. S. Selvi

Dr. R. Sri Priya

Dr.M. Paripooranaselvi

Dr. P. Subavathy



ASSOCIATION MEETING




The meeting of Zoology Association was conducted in the Star Hall at 2.30 p.m on 4th February 2020. Dr. Aarathy Kannan, Director, Consultant Physician and Diebetologist, Sundaram Arulraj Hospital, Thoothukudi presided over the meeting and addressed the students on 'Breast Cancer'.

BIO EXPO 2020



Organizing Secretaries
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Dr. S. Mary Santhi, Assistant Professor of Botany
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Department of Zoology
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Dr. P. J. Joslin, Associate Professor of Zoology
Dr. S. Mary Baptista Janet, Associate Professor of Zoology
Dr. Sr. C. Shibana, Assistant Professor of Zoology
Dr. Sr. R. T. Sherley Cross, Assistant Professor of Zoology
Dr. S. Selvi, Assistant Professor of Zoology
Dr. R. Sri Priya, Assistant Professor of Zoology
Dr. M. Paripooranaseelvi, Assistant Professor of Zoology


STAR COLLEGE PROGRAMME
 2019 - 2020
 Sponsored By



DEPARTMENT OF BIOTECHNOLOGY
 GOVT. OF INDIA, NEW DELHI

MARIAN STAR BIOEXPO
 2020
 22nd January 2020

Organised By




Marian Star Centre
 School of Biological Sciences
St. Mary's College (Autonomous)
 (Re-accredited by NAAC with 'A+' Grade)
 Thoothukudi-628001.
 E-mail : marianstarcentredbt2019@gmail.com
 smctuty@gmail.com

About DBT STAR College Scheme
 "Star College Scheme" has been initiated by the Department of Biotechnology (DBT) to support colleges offering undergraduate programmes to promote and facilitate science teaching. Star College Scheme is formulated with an aim to enhance conceptual clarity, develop scientific thinking and creativity among students. It enables interactive participation among different scientific disciplines and departments with a holistic approach towards science rather than compartmentalised thinking.

About the 'BIOEXPO'
 The purpose of education is not simply for accumulation of knowledge but also for the holistic development of the students. Such development would be possible only through the pragmatic approaches such as learning by doing, experiencing things, fruitful discussions, demonstration and organizing seminars. Scientific attitudes of the students is the impending need of the hour. Science exhibition is the easiest and powerful tool that can enhance scientific interest and creativity among students. St. Mary's College (Autonomous) is always in temper of propagating and popularizing scientific knowledge to the students. In view of this, the School of Biological sciences organizes the MARIAN STAR BIOEXPO - 2020. The main objectives of the BIOEXPO are

- To provide a forum to nurture science and inventive interest from the surrounding environment.
- To connect new ideas to their existing ideas from materials and activities
- To motivate the youth to achieve self reliance through biosciences.
- To provide exploratory experiences, encouraging creative thinking and promoting psychomotor skills among students through simple experiments.
- To develop appropriate technologies, especially for rural areas and integrating and applying scientific ideas in daily life situations

- To popularize science among masses and creating an awareness regarding its impact on socio-economic and sustainable development of the country
- To provide an opportunity for students to discover and use the floral and faunal wealth around us.



ORGANIZING COMMITTEE
Patron
Rev. Sr. Flora Mary
 Secretary, St. Mary's College (Autonomous), Thoothukudi.
Chairman
Rev. Dr. Sr. A. S. J. Lucia Rose
 Principal, St. Mary's College (Autonomous), Thoothukudi.
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Dr. M. Glory
 Associate Professor and Head, Department of Botany
 St. Mary's College (Autonomous), Thoothukudi.
Dr. Hermin Pasangha
 Associate Professor and Head, Department of Zoology
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Dr. Jemma Hermelin Jesy Diaz
 Assistant Professor of Zoology
 St. Mary's College (Autonomous), Thoothukudi.

Marian Star Bio Expo 2020 was organised by the School of Biological Sciences on 22nd January 2020



BIO QUIZ 2019

MARIAN STAR BIO QUIZZLE'19
14th August 2019
Organized by
MARIAN STAR CENTRE
School of Biological Sciences

Registration Form

(Kindly mail the filled in scanned copy to reach on or before 9th August 2019)

- Name of the students (IN BLOCK LETTERS)
I. Department :
II. Department :
- Name of the College and address:
- Mobile No:
- Email ID:
- Address for correspondence :


Place : Signature of the students
Date:

Recommendation of the Head of the Department (With sign and seal) Recommendation of the Head of the Department (With sign and seal)

Note :
a. No registration fees
b. Registration form should be forwarded by the respective HoDs
Duly filled in registration form should reach the organizing secretaries on or before 09.08.2019. Scanned copies of the registration form can be sent to marianstarcentredb2019@gmail.com by e-mail.

STAR COLLEGE PROGRAMME
2019-2020

Sponsored by




DEPARTMENT OF BIOTECHNOLOGY
GOVT. OF INDIA, NEW DELHI

MARIAN STAR BIO QUIZZLE'19

14th August 2019

Organized by
MARIAN STAR CENTRE



School of Biological Sciences
St. Mary's College (Autonomous)
(Re-accredited by NAAC with 'A+' Grade)
Thoothukudi-620 001
Email id : marianstarcentredb2019@gmail.com
smctuty@gmail.com

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About the quiz
The quiz is being organized as a part of Star College Programme of St. Mary's College (Autonomous), Thoothukudi. We have organised the quiz competition for undergraduate students of biological sciences (Botany, Zoology, Biochemistry, Microbiology, Biotechnology), to instigate the students to look beyond their textual knowledge and establish a relationship between theory and application of the learnt concept in various fields of biological sciences. We look forward to

- Ignite interest in basic concepts of biological sciences
- Encourage application of theoretical knowledge to real time situations
- Enhance cognitive skills among students
- Empower interdisciplinary learning
- Build team spirit.

Instructions for the participants

- Questions will be on basic and advanced concepts in various fields of biological sciences.
- A team comprises of two students from two different departments of the same college. One team per college is allowed.
- The quiz will have four rounds [Round I (Questions), Round II (Dumb charades), Round III (Picture connect), Round IV (Bioscope)].
- A preliminary screening test will be conducted for all the teams.

Prizes and Awards

I Prize - Rs. 1000 + Individual trophy and e-certificate
II Prize - Rs. 700 + Individual trophy and e-certificate
III Prize - Rs. 500 + Individual trophy and e-certificate

Event Schedule
Date : 14 August 2019 Time: 10.00 a.m.
Venue: Star Hall, St. Mary's College (Autonomous), Thoothukudi.

ORGANIZING COMMITTEE

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Secretary,
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HoD and Associate Professor of Botany
St. Mary's College (Autonomous), Thoothukudi

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HoD and Associate Professor of Zoology
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Coordinators
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Overall Coordinator & Member Secretary, DBT STAR College Scheme,
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விநாடி-வினா போட்டியில் வென்றோருக்கு பரிசு

தூத்துக்குடி, ஆக. 16: தூத்துக்குடியில் நடைபெற்ற விநாடி- வினா போட்டியில் வெற்றி பெற்ற மாணவிகளுக்கு பரிசு வழங்கப்பட்டது.

மத்திய அரசின் உயிரித் தொழில் நுட்பவியல் துறை சார்பில், ஸ்டார் கல்லூரி திட்டத்தின் கீழ் தூத்துக்குடி தூய மரியன்னை கல்லூரியின் உயிரியல் மற்றும் இயற்வேதியியல் துறையில் இளநிலை மாணவர்களுக்கான விநாடி-வினா போட்டி நடைபெற்றது.

பல்வேறு கல்லூரிகளில் இருந்து மாணவிகள் விண்ணப்பித்த நிலையில், அவற்றிலிருந்து 5 அணிகள் தேர்வு செய்யப்பட்டு போட்டிகள் நடத்தப்பட்டன. இதில், பாளையங்கோட்டை சதக்கத்துல்லாஹ் அப்பா கல்லூரி, திருச்சிலுவைக் கல்லூரியைச் சேர்ந்த மாணவிகள் முதலிடமும், சாயர்புரம் போப்



மாணவிகளுக்கு பரிசு வழங்குகிறார் தூய மரியன்னை கல்லூரி முதல்வர் லூசியா ரோஸ்.

கல்லூரி, சதக்கத்துல்லாஹ் அப்பா கல்லூரி மாணவிகள் 2ஆம் இடமும், ஸ்காட் கிறிஸ்தவக் கல்லூரி, வ.உ.சி. கல்லூரி மாணவிகள் 3ஆம் இடமும் பிடித்தனர்.

பின்னர், நடைபெற்ற நிகழ்ச்சியில் வெற்றவர்களுக்கு தூய

மரியன்னை கல்லூரி முதல்வர் லூசியா ரோஸ் பரிசுகளை வழங்கி பாராட்டினார். இதில், ஸ்டார் கல்லூரி திட்டத்தின் ஒருங்கிணைப்பாளர் ஆரோக்கிய ஜெனிசியஸ் அல்போன்ஸ், பேராசிரியைகள் கலந்துகொண்டனர்.

தினமணி

Sat, 17 August 2019

<https://epaper.dinamani.com/c/42560352>

A quiz competition was organized by the School of Biological sciences and Physical Sciences, for undergraduate students of biological sciences (Botany, Zoology, Biochemistry, Microbiology).

The postmortem examination conducted by Puthiyampudur veterinary doctor revealed that the buffalo consumed water used not treated properly by the unit; the water had allegedly turned acidic.

Based on the complaint, SIPCOT police registered a case against the unit under section 429 of the Indian Penal Code for mischief by killing.

A boy and a girl behind an idol for sale ahead of Pongal.

Water harvesting system

Nayalakkshmi urged water harvesting to protect monsoon to

unit; the water had allegedly turned acidic

of the plantations, thereby violating the conditions of the consent order".

The activist SP Muthuraman said that this is a punishable offence. The TNPCB has refused to take action against the firm despite the reply to the show cause notice proved that it was discharging untreated water into the canal, he said.

your unit is neither completely treated nor efficiently utilized for irrigation.

GOVERNOR and Chairman of the Tamil Nadu Panchayat Union Purohit awarded degrees postgraduate, MPH and MSc on Thursday.

Degrees were conferred to 102 medal winners were exceptional performance in the examination. The graduates were congratulated to all the graduates and their parents have assembled in their children.

K Pitchay, Director of MSW, said During the award ceremony, the award was given to the graduates to develop the state-of-the-art content of equipment, needed for the research in various fields.

facility a proposal for 550 beds to the Central government. The award was given to the graduates in the phase II scheme.

Tamil Nadu government has approved the construction of a building of 250 rooms at the Institute of Management Studies at MSU, he said.

The award was given to the graduates in the phase II scheme. Integrated Classroom Centre at the cost of ₹25 crore.

Minister P. Jayaraman said Shilpa Prabhakar Sathish was

SpI programme for teachers

Thoothukudi: A three-day Faculty Development Programme on Basic Techniques in Molecular Biology was conducted at St Mary's College (Autonomous) here. The programme was conducted on behalf of the State Education Programme for Teachers. The programme was meant for school and college teachers to acquire the basic techniques required for success in scientific research. This programme was sponsored by Department of Zoology, MGU, and organised by Marian Star Centre, Department of Zoology. As many as 23 PG faculty members and 20 college teachers participated.

Oil and Natural Gas Corporation Limited

Green Hills, Tel. Bhawan, Daburhat 248 003

ONGC offers 100% Scholarship worth ₹48,000/- per annum

Mentorship SC/ST students for pursuing professional Engineering, Medical, Science, 2 year Masters Degree in Education, Geology and Geo-Physics. The selection for the above mentioned courses will be on the basis of merit and date of application is 15.01.2008.

For detailed information and application form please

ADAR SANGAM COLLEGE

Aravali District
Tel: 220950

PROFESSOR

and copies of all relevant material candidates to the following subject against in annual report in their application.

STAR COLLEGE PROGRAMME
2019-2020
Sponsored by
DEPARTMENT OF BIOTECHNOLOGY, GOVT. OF INDIA, NEW DELHI
Government of India
Department of Science & Technology
Ministry of Science & Technology

Faculty Development Programme on "Basic Techniques in Molecular Biology"
20th - 22nd August 2019
Organized by
MARIAN STAR CENTRE
Department of Zoology, St. Mary's College (Autonomous), Thoothukudi-628 001.
(Re-accredited with 'A+' Grade by NAAC)

CERTIFICATE

This is to certify that Dr./Mr./Ms.
J. Antony Rajam, Assistant Professor of Chemistry
St. Mary's College (Autonomous), Thoothukudi, has participated in "Faculty Development Programme
on "Basic Techniques in Molecular Biology" conducted by the Department of Zoology at
St. Mary's College (Autonomous), Thoothukudi-628001 from 20th to 22nd August 2019.

Arackia Jerevus Alphonse
Overall Coordinator & Member Secretary
DBT STAR College Scheme

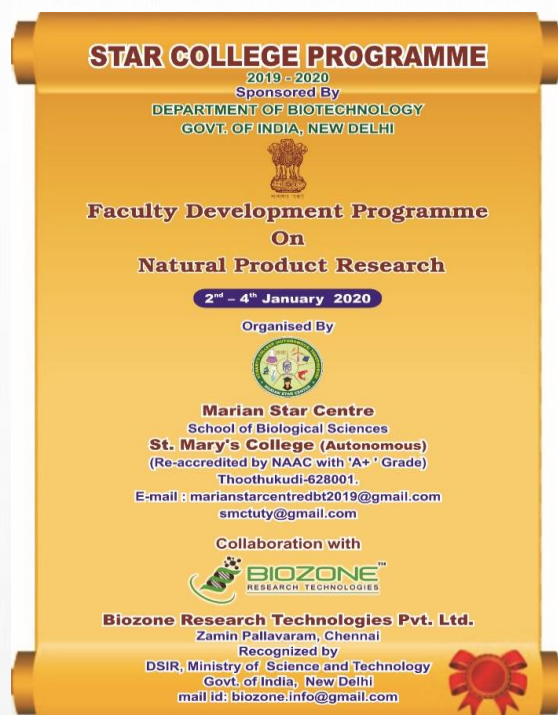
Jemma Hermelin Jey Diaz
Zoology Department Coordinator
DBT STAR College Scheme

HoD
Department of Zoology

Lucina Rose
Principal
Chairman, DBT STAR College Scheme

A three day FDP on Basic Techniques in Molecular Biology was conducted for the school teachers and college teachers to acquire the basic techniques required for success in scientific research.

FACULTY DEVELOPMENT PROGRAMME



A two - day Faculty Development programme on Natural Product Research was conducted by the school of Biological Sciences under the Star College on 2nd and 3rd January 2020. Dr.Aneesh Nair, Scientist and Head of Operations, Mr. Shanmuga Sundaram, Senior Researcher, Ms. Chandralekha, Junior Researcher of Biozone Research Technologies, Pvt. Ltd. Chennai were the resource persons. Faculty of School of Biological Sciences (Departments of Botany and Zoology) participated in the faculty Development Programe. Dr. Aneesh Nair gave a hands-on training on various softwares for drug designing and docking. Mr. Shanmuga Sundaram and Ms. CHandralekha demonstrated experiments to extract bioactive compounds from natural products.

GUEST LECTURES



A guest lecture was conducted on 09.12.19 in the Fatima Hall. Dr. S. Kalidass, Associate Professor, Department of Animal Science, Manonmaniam Sundaranar University, Tirunelveli, addressed the audience on 'Blue Biotechnology'.

The students of Department of Zoology attended a guest lecture on "Forest and Biodiversity" on 10.12.2019. Mr. S. Vimal Kumar, Forest Range Officer, Srivaikundam was the resource person.



A guest lecture on skin care in day to day life was organized on 10th January Dr. Thadeus, Prof. and head of the Department of Dermatology, Thoothukudi. Medical college was the resource person.

GUEST LECTURES



A guest lecture on Fish Culture Technologies was arranged by the Department of Zoology on 21.01.2020



Dr.U.Insuvai, Assistant Professor, Department of Radiation Oncology, Government Medical College Hospital, Thoothukudi delivered a lecture on Poly Cystic Ovarian Syndrome and related problems on 7.02.2020.

Dr.R.M.Murugappan, Dean, Curriculum Development, Head & Associate Professor, Dept. of Zoology, Thiagarajar College, Madurai delivered the lecture on Nanotechnology in Therapeutic applications on 18.02.2020.



WORKSHOP

ORGANISING COMMITTEE

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Department of Zoology
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Dr. N. Paripoornanaseeli, Assistant Professor of Zoology
Dr. P. Subavathy, Assistant Professor of Zoology

STAR COLLEGE PROGRAMME
2019-2020

Sponsored By


Department of Biotechnology
Ministry of Science & Technology,
Government of India
New Delhi

A One Day Workshop
on
"Value Added Fishery Products"

Venue: Star Hall Date: 8th August, 2019
Time: 9 AM - 5 PM

Organised By
Marian Star Centre
Department of Zoology
St. Mary's College (Autonomous)
(Re-accredited by NAAC with 'A+' Grade)
Thoothukudi 628001
Mail id: mananastarcenredbt2019@gmail.com
smcres.zoo@gmail.com

Workshop Objective

A healthy population is the greatest asset of a nation. People's health primarily depends upon the food available to them. Fish is nutritious and rich in micronutrients, minerals, essential fatty acids and proteins. Fish demand in recent years has been growing, not only because of the increasing needs of the growing population, but also due to the growing demand for fish, especially from developed countries as a nutritional and functional food. Product diversification and value addition are the most important needs of the day, to cope with the tastes and likings of the modern consumer. Value added food products are raw or pre-processed commodities whose value has been increased through the addition of ingredients or processes that make them more attractive and more readily usable by the consumer. Value added and diversified fish products promote employment, entrepreneur ventures and exports and also minimize imports. They provide greater convenience to consumer through decreasing preparation time and minimizing preparation steps. The dual advantages namely, finding ways for better utilization of low-value fish species and providing protein-rich convenience foods, have been pointed out as the main outcome of value addition.

Plenary Session - I
Need and Scope for Value Addition in Fish
Dr. D. Sukumar
Professor & Head, DFPT,
FCRI, Thoothukudi

Plenary Session - II
Value Added Fishery Products - An Overall Review
Mr. P. Ganesan
Assistant Professor, DFPT
FCRI, Thoothukudi

Plenary Session - III
Health Benefits of Value Added Fishery Products
Mr. F. Parthiban
Assistant Professor, DFPT
FCRI, Thoothukudi

Plenary Session - IV
Importance of Hygienic Handling in Fish Product Preparation
Mr. V. Vijayaraghavan
Assistant Professor, DFPT
FCRI, Thoothukudi

Plenary Session - V
Demonstration on the Preparation of Ready to Eat (RTE) and Ready to Cook (RTC) Value Added Fishery Products
Mr. A. Vijayaraghavan
Assistant Professor, DFPT
FCRI, Thoothukudi & Ms. A. Sarojini
T.A., DFPT
FCRI, Thoothukudi



மதிப்புக்கூட்டிய மீன் பொருள்கள் தயாரிப்பு குறித்து பயிலரங்கு

துத்துக்குடி, ஆக. 11: துத்துக்குடி துறைமுகத்தில் கல்லூரியில் மதிப்புக்கூட்டிய மீன் பொருள்கள் தயாரிப்பு குறித்து பயிலரங்கு நடைபெற்றது.

மத்திய அரசின் தொழில் நுட்ப உயிரியல் துறை சார்பில் ஸ்டார் கல்லூரி திட்டத்தின்கீழ் கல்லூரியில் நடைபெற்ற இப் பயிலரங்கிற்கு, கல்லூரி முதல்வர் லூசியா ரோஸ் தலைமை வகித்தார். துத்துக்குடி மீன்வளக்கல்லூரி மீன் பதப்படுத்துதல் துறைத் தலைவர் சுகுமார், 'மதிப்புக்கூட்டிய மீன் பொருள்களின் தேவை மற்றும் நோக்கம் குறித்துப் பேசினார்.

இதையடுத்து, மதிப்புக்கூட்டிய மீன் பொருள்களின் நன்மைகள், முக்கியத்துவம், சுகாதாரமான முறையில் பொருள்களை வையாளுதல் மற்றும் தயாரித்தல் குறித்து உதவி பேராசிரியர்கள் கணேசன், பார்த்திபன், விஜயராகவன் ஆகியோர் பேசினர்.

பின்னர், விஜயராகவன் மற்றும் சரோஜினி ஆகியோர் மதிப்புக்கூட்டிய மீன் பொருள்களை தயாரிப்பது குறித்து செயல்முறை விளக்கம் அளித்தனர்.

இதில், ஸ்டார் கல்லூரி திட்ட ஒருங்கிணைப்பாளர் ஆரோக்கிய ஜெனியின்ஸ் அல்போன்ஸ், விலங்கியல் துறைத் தலைவர் ஹெர்மின் பசங்கா, விலங்கியல் துறை ஒருங்கிணைப்பாளர் ஜெம்மா ஹெர்மின் ஹெர்மின், துறை பேராசிரியர்கள், மாணவிகள் கலந்து கொண்டனர்.

STAR COLLEGE PROGRAMME
(2019-2020)
Sponsored by
DEPARTMENT OF BIOTECHNOLOGY, GOVT. OF INDIA, NEW DELHI
A One Day Workshop On "Value Added Fishery Products"
8th August 2019
Organized by
MARIAN STAR CENTRE
Department of Zoology, St. Mary's College (Autonomous), Thoothukudi 628001
(Re-accredited with 'A' Grade by NAAC)

CERTIFICATE

This is to certify that Ms. Preethika I. of
I B.Sc Zoology has participated in A One Day Workshop on "Value Added Fishery Products"
conducted by the Department of Zoology, St. Mary's College (Autonomous), Thoothukudi on
8th August, 2019.

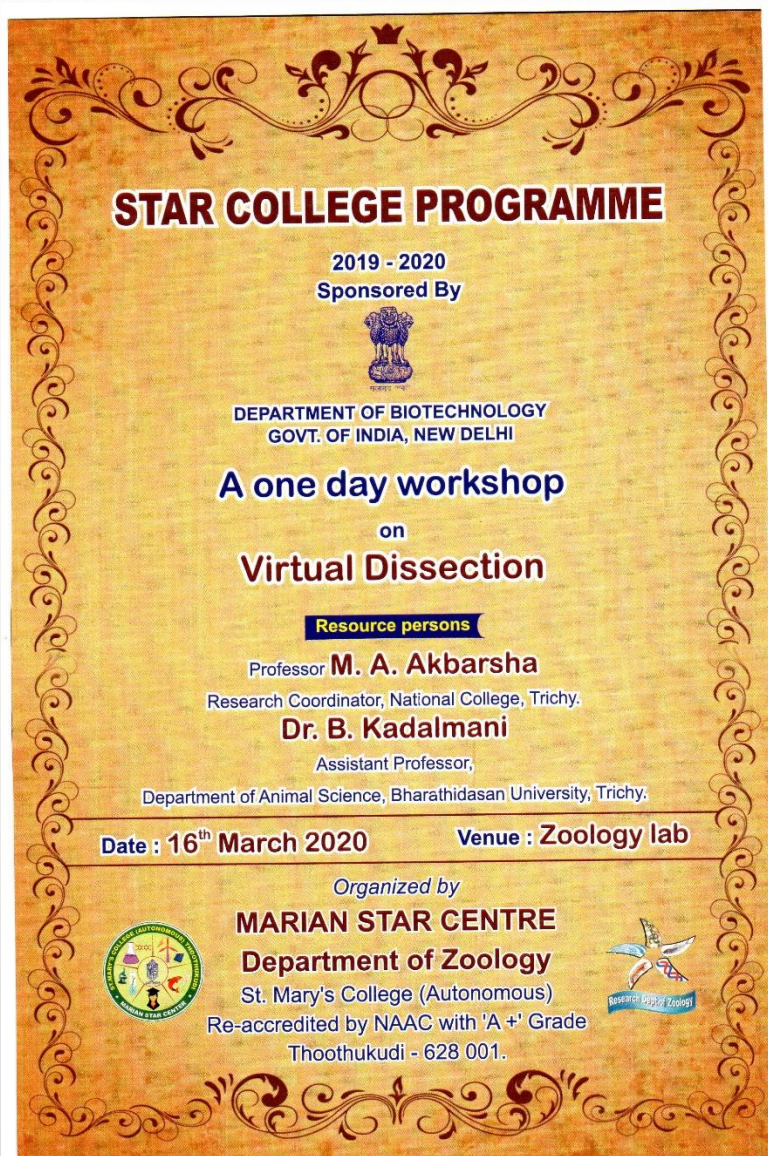
Arockia Jenevina Alphonsa
Overall Coordinator & Member Secretary
DBT STAR College Scheme

Jemma Hermelin Jesy Diaz
Zoology Department Coordinator
DBT STAR College Scheme

Lucia Rose
Principal
Chairman, STAR College Scheme

One day workshop on "Value Added Fishery Products" was organized on 08.08.2019 Dr. D. Sukumar, Professor & Head, DFPT, FCRI, Mr. P. Ganesan, Assistant Professor, DFPT, FCRI, Mr. F. Parthiban, Assistant Professor, DFPT, FCRI, Mr. V. Vijayaraghavan Assistant Professor DFPT, FCRI and Ms. A. Sarojini, T.A. DFPT, FCRI, Thoothukudi were the resource persons. Knowledge on value added and diversified fish products promote employment and entrepreneurship which has been pointed out as the main outcome of this workshop.

WORKSHOP



A workshop on Virtual Dissection was organized on 16.03.2020. Professor M.A. Akbarsha, Research Co-ordinator, National College, Tiruchirappalli explained about the necessity of virtual dissection in teaching and emphasizing the major draw backs of using live animals for dissection. He pointed out the various issues like destruction of biodiversity, moral and ethical liabilities when we use live animals. He gave an insight about the various virtual dissection softwares like Biolab Frog, Physio Ex 9.0 Physiology - LUPRAFISM, Dissection works V 4.0, Prodissector Frog and the Digital Frog 2 etc which can be used as an alternative for live specimens. Using the Physio Ex.9.0 software he demonstrated virtual animal physiology experiments. The softwares were installed in the virtual dissection zoology laboratory. Dr. Assistant Professor, School of Animal Science, Bharathidasan University, Tiruchirappalli Kadalmani gave hands-on training on the various softwares and the students were given practice on virtual dissection.

SEMINAR

Department of Zoology
Dr. N. Arokiya Mary, Associate Professor of Zoology
Dr. P.J. Joalin, Associate Professor of Zoology
Dr. S. Mary Baptista Janet, Associate Professor of Zoology
Dr. S.R.C. Shilpa, Assistant Professor of Zoology
Dr. S.R.T. Shirley Cross, Assistant Professor of Zoology
Ms. S. Selvi, Assistant Professor of Zoology
Dr. R. Sri Priya, Assistant Professor of Zoology
Dr. N. Paripoorana Selvi, Assistant Professor of Zoology
Dr. P. Subavathy, Assistant Professor of Zoology


Programme Schedule

Session I : 9.30 a.m. - 10.30 a.m.
 "Cnidarian taxonomy and its biological importance in the coastal and marine ecosystems"
Dr. L. Ranjith
 Scientist, Marine Biodiversity Division, Tuticorin Research Centre, ICAR - CMFRI, Tuticorin.


Session II : 11.00 a.m. - 1.00 p.m.
 "Coastal Ecology"
Dr. R. Arthur James
 Associate Professor and Head, Department of Marine Science, Bharathidasan University, Tiruchirappalli.

Session III : 2.00 p.m. - 3.30 p.m.
 "Marine Microalgae"
Dr. Suja, C. P.
 Principal Scientist, Marine Biotechnology Division, Tuticorin Research Centre, ICAR - CMFRI, Tuticorin.

STAR COLLEGE PROGRAMME
2019 - 2020
 Sponsored By
DEPARTMENT OF BIOTECHNOLOGY
GOVT. OF INDIA, NEW DELHI



A One Day Seminar
On
Marine Biology
20th December 2019
Venue: Conference Hall

Organised By

Marian Star Centre
 School of Biological Sciences
St. Mary's College (Autonomous)
 (Re-accredited by NAAC with 'A+' Grade)
 Thoothukudi-628001.
 E-mail : marianstarcentredbt2019@gmail.com
 smctuty@gmail.com

About DBT STAR College Scheme

"Star College Scheme" has been initiated by Department of Biotechnology (DBT) to support colleges offering undergraduate programmes to promote and facilitate science teaching. The scheme aims to hone the skills of teachers by helping the institution to organise faculty training programmes, to offer improved curriculum keeping up with the current trends and emphasises applied learning and practical training for students by providing access to specialised infrastructure and consumables. Star College Scheme is formulated with an aim to enhance conceptual clarity, develop scientific thinking and creativity among students. It enables interactive participation among different scientific disciplines and departments with a holistic approach towards science rather than compartmentalised thinking.

About the Seminar

Ocean covers 71% of the Earth's surface and forms the major aquatic ecosystem of the planet. Encompassing a wide range of habitats from deep sea bottom to open water and rocky shore to mud flats, they form the major centre of global biodiversity. Though the environmental factors and intertwined species interactions are complex, the ocean maintains a sustainable and highly productive ecosystem for millions of years. They play a vital role in regulating global hydrology and sedimentary cycle thereby, controlling the climate of the Earth. They are the major carbon sink and oxygen sources because of the high productivity of phytoplanktons. In many parts of the world, the ocean produces, determines the economy of the country. In spite of all these significances, in recent past over population and urban development brought severe damages to the marine environment, which was already highlighted. It is an impending issue to formulate management strategies to conserve the marine ecosystem before undergoing any further damage.

Organizing Committee

Patron
Rev. Sr. Flora Mary
 Secretary, St. Mary's College (Autonomous), Thoothukudi.

Chairman
Rev. Dr. Sr. A.S.J. Lucia Rose
 Principal, St. Mary's College (Autonomous), Thoothukudi.

Convenors
Dr. M. Glory
 Associate Professor and Head, Department of Botany, St. Mary's College (Autonomous), Thoothukudi.
Dr. Hermin Pasangha
 Associate Professor and Head, Department of Zoology, St. Mary's College (Autonomous), Thoothukudi.

Programme Coordinator
Dr. Arockia Jenecius Alphonse
 Overall Coordinator & Member Secretary, DBT Star College Scheme
 Assistant Professor of Botany, St. Mary's College (Autonomous), Thoothukudi.

Department Coordinators
Dr. G. Flora
 Assistant Professor of Botany, St. Mary's College (Autonomous), Thoothukudi.
Dr. Jemma Hermelin Jesy Diaz
 Assistant Professor of Zoology, St. Mary's College (Autonomous), Thoothukudi.

Executive Members

Department of Botany
Dr. A.Jacinta Tamil Malar, Assistant Professor of Botany
Dr. S. Beulah Jerlin, Assistant Professor of Botany
Dr. E. Daffodil D. Almalia, Assistant Professor of Botany
Dr. F. Dayana Lobo, Assistant Professor of Botany
Dr. B. Maria Sumathi, Assistant Professor of Botany
Ms. S. Pauline Jenifer, Assistant Professor of Botany
Dr. R. Mary Santhi, Assistant Professor of Botany
Dr. V.Soumya, Assistant Professor of Botany



One-day Seminar on "Marine Biology" was organised by the School of Biological Sciences on 20th December 2019. Mr. L. Ranjith, Scientist, and RC of CMFRI, Thoothukudi; Dr. R. Arthur James, Associate Professor and Head, Department of Marine Science, Bharathidasan University, Tiruchirappalli and Dr. Suja, Scientist, Tuticorin RC of CMFRI, Thoothukudi were the Resource persons.

BRIDGE COURSE



The bridge course was held from 17.6.2019 to 25.6.2019 to bridge the gap between previous learning and the new academic curriculum. It prepares students for success in their upcoming courses by reinforcing essential concepts and boosting confidence.

LAB ACTIVITIES



- ✓ The undergraduate students completed a total of 40 lab activities, enhancing their practical understanding of the subject.
- ✓ For postgraduate students, 76 lab activities were conducted, allowing for deeper exploration and advanced hands-on experience.
- ✓ A total of 19 lab activities were conducted for allied courses, providing students with practical skills.

MENTOR MENTEE SYSTEM



The Mentor-Mentee system is designed to provide personalized academic and personal guidance, with faculty mentors assigned to small groups of students in each year. For the I UG, II UG, and III UG levels, the mentor groups consist of 50, 45, and 42 students respectively, ensuring focused attention and support.

The Mentor-Mentee system extends to postgraduate students, fostering closer academic and personal guidance. At the I PG and II PG levels, the mentor groups consist of 9 and 8 students respectively, ensuring individualized attention and support.

CERTIFICATE COURSE



The Certificate Course on Hospital Instrumentation and Management (Course Code: 19CAZO31) is a 60-hour program exclusively designed for II B.Sc. Zoology students. With 40 students enrolled, the course provides specialized knowledge and practical skills in hospital equipment handling and management techniques, preparing them for careers in the healthcare sector.

The Certificate Course on Tally (Course Code: 19CAZO51) is a 60-hour program designed to equip students with essential skills in computerized accounting and financial management. A total of 45 students from III B.Sc. Zoology have enthusiastically enrolled in the course. This program aims to provide practical knowledge of Tally software, enhancing the employability of students.

BOARD OF STUDIES (OBE)



External Experts: 4

Date: 16.02.2019

Dr.R.D.Thilaga - Chair Person

Head and Associate Professor

1. Dr.RM.Murugappan

Head and Associate Professor

Department of Zoology & Microbiology

Thiagarajar College, Theppakulam

Madurai 625009

2. F.Brisca Renuga

Associate Professor

Department of Zoology

Holy Cross College

Nagercoil-4

3. Dr .H. Abdul Jaffar Ali

Associate professor

Department of Biotechnology

Islamiah college [autonomous]

Vaniyambadi -635752

4. Dr. T. Jeyalalitha

Assistant Professor

Department of Zoology

Arulmigu Palaniandavar College of Arts & Culture

Palani 624601

PTA MEET

The PTA meeting for the I UG students was held on 17th August 2019, while the II UG PTA meeting took place on 8th January 2020.

APPOINTMENT OF NEW FACULTY 17.06.2019



Dr. R. Sri Priya has been appointed as an Assistant Professor, bringing her expertise in biotechnology to our academic community. Her knowledge and experience will significantly enhance our department's capabilities in exploring innovative research avenues within the field of biotechnology.

Dr. M. Paripooranaselvi has joined as an Assistant Professor, specializing in ascidian pharmacology. Her extensive knowledge in this niche area will add a unique dimension to our research efforts.



Dr. P. Subavathy has been appointed as an Assistant Professor, specializing in marine pharmacology. Her expertise in this field will open new avenues for research and learning, enriching our department's focus on marine science.

BOOKS/CHAPTERS PUBLISHED



Dr. Sr. C. Shibana, Assistant Professor of Zoology



Title of the Book/Book Chapters: Environmental Studies

Publishers : Archers & Elevators Publishing House

ISBN Number: 978-93-88805-96-4

Dr. P. Subavathy, Assistant Professor of Zoology

Title of the Book/Book Chapters: Pharmacological Efficacy of Marine Molluscs - Recent Advances in Pharmaceutical Sciences (Volume – 2)

Publishers : Aki Nik Publications, New Delhi

ISBN Number: 978-93-5335-831-0



MEMBERSHIP IN PROFESSIONAL BODIES - BoS



		Name of the Institution - Served as Board Member	Date
Name	Designation		
Dr.N.Arokiya Mary	Associate Professor	Pope's College, Sawyerpuram	17.08.2017 to 16.08.2019
Dr.S.Mary Baptista Janet	Associate Professor	Holy Cross College, Nagercoil	21.01.2020



Dr.S.Mary Baptista Janet was the External member of technical expert committee to interview candidates for selection of Assistant professor, Department of Zoology, LadyDoak College, Madurai.

AS A RESOURCE PERSON



Dr. Jemma Hermelin Jesy Diaz, Assistant Professor of Zoology

Name of the Institution	Topic/Event	Date
Kamaraj College, Thoothukudi	Workshop	27.09.2019
V.V.Vanniaperumal College for Women (Autonomous), Virudhunagar	Guest Lecture	13.08.2019

AS A RESOURCE PERSON



Dr. R. Sri Priya, Assistant Professor of Zoology

Title of the Expert Talk	Title of the Seminar/ Webinar/ Conference/ Others	Date	Organised by Department & College / University / Institution
Basic Techniques in Molecular Biology	Faculty Development Programme on Basic Techniques in Molecular Biology	20-Aug-2019 to 22-Aug-2019	Department of Zoology, St. Mary's College (Autonomous) Thoothukudi- 628001
Animal Biotechnology	National Seminar on RDAS- Recent Developments in Animal Sciences	22-Aug-2019	Department of Zoology and Research Centre, Aditanar College of Arts and Science, Thiruchendur
Biotechnology	Brain Storming session on Biotechnology for XII Std. Students	26-Sep-2019	SBOA Matriculation and Hr. Sec. School, Madurai

COLLABORATIVE ACTIVITIES



Academic & Research

Publication Period: January to December

Academic Activities Period: June to July

1.	Name of the Faculty with Designation, Staff ID	Dr. Jemma Hermelin Jesy Diaz Assistant Professor of Zoology ZOOR009
2.	Name of the Collaborating Faculty with Designation	Dr.J.Nagarajan Assistant Professor of Zoology Kamaraj College, Thoothukudi
3.	Name of the Collaborating Organisation	Kamaraj College, Thoothukudi
4.	Nature of Collaboration (Academic/Research/ Faculty Exchange/ Examiner / Student Exchange/Project/ Internship/On On-the Job Training)	Research
5.	Nature/Details of Outcome (Autonomous) [Guest Lecture/DC member/Guide/Co-guide/ Project Reports h Papers) /Publications (Research Papers) / Sharing of Research Resources (Lab/Library/ Industry)/Other	Doctoral Committee Member

ORIENTATION / REFRESHER COURSE



- ✓ Dr. Hermin Pasangha participated in 20 days Orientation Course at Pondicherry University, Pondicherry sponsored by UGC from 05th Mar 2020 to 25th Mar 2020.
- ✓ Dr. Jemma Hermelin Jesy Diaz participated in UGC Inter Disciplinary Refresher Course in Life Sciences Human Resource Development Centre, Pondicherry University from 21st January to 3rd February 2020.

FACULTY PARTICIPATION IN FDP



- ✓ Dr. Hermin Pasangha, Dr.N. Arokiya Mary, Dr.P.J. Joslin, Dr.S. Mary Baptista Janet, Dr. Jemma Hermelin Jesy Diaz, Dr.S.R.T. Sherly Cross, Dr.S. Selvi, Dr.R. Sri Priya, Dr.M. Paripooranaselvi and Dr.P. Subavathy have participated in the three days Faculty Development Programme on Techniques in Molecular Biology organized by Department of Zoology, St. Mary's College (Autonomous) Thoothukudi from 20.08.2019 to 22.08.2019.
- ✓ Dr. Hermin Pasangha, Dr.N. Arokiya Mary, Dr.P.J. Joslin, Dr.S. Mary Baptista Janet, Dr. Jemma Hermelin Jesy Diaz, Dr.S.R.T. Sherly Cross, Dr.S. Selvi, Dr.R. Sri Priya, Dr.M. Paripooranaselvi and Dr.P. Subavathy have participated in three days Faculty Development Program on Natural Product Research organized by Star College Program, St. Mary's College (Autonomous), Thoothukudi and Biozone Institute of Research Technologies, Pvt. Ltd. from 02.01. 2020 to 04.01.2020.
- ✓ Dr. Hermin Pasangha, Dr.P.J. Joslin, Dr.S. Mary Baptista Janet, Dr.S. Selvi, Dr.M. Paripooranaselvi and Dr.P. Subavathy have participated in one day FDP on Chemistry of Covid-19 -Threat to Global Public Health organized by Department of Chemistry, St.Mary's College (Autonomous), Thoothukudi on 26.05.2020.
- ✓ Dr. Hermin Pasangha participated in webinar on Alzheimer Type 2 Astrocytes in Neurological Disorders organized by P.G and Research Dept. of Zoology, T.B.M.L. College, Porayar on 28.05.2020

FACULTY PARTICIPATION IN FDP



- ✓ Dr.P.J. Joslin, Dr.S. Mary Baptista Janet and Dr. Jemma Hermelin Jesy Diaz, have participated in the 3 days FDP on Biostatistics and Bioinformatics organized by Department of Botany, St. Mary's College (Autonomous) Thoothukudi- 628001 from 18th Jul 2019 to 20th Jul-2019.
- ✓ Dr.P.J. Joslin, Dr, Sr, C. Shibana Dr.S. Selvi and Dr.M. Paripooranaselvi has participated in two-week Faculty Development Programme on Managing Online Classes and Co-Creating MOOCs organized by Teaching Learning Centre, Ramanujan College, University of Delhi sponsored by Ministry of Human Resource Development, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching from 20.04. 2020 to 06.05. 2020.
- ✓ Dr.P.J. Joslin and Dr.M. Paripooranaselvi has participated in an International FDP on Building Partnership and Resources organized by Sri Kanyaka college of arts & Science for Women Chennai on 08.05.2020.
- ✓ Dr.P.J. Joslin, Dr. Jemma Hermelin Jesy Diaz, Dr.M. Paripooranaselvi and Dr. P.Subavathy has participated in Five day FDP on Teaching Using ICT Tools organized by IQAC, Department of BCA & Department of IT, J.P. College of Arts and Science, Tenkasi from 20.05.2020 to 24.05.2020.
- ✓ Dr.P.J. Joslin, Dr. Jemma Hermelin Jesy Diaz, Dr. S. Selvi, Dr.M. Paripooranaselvi and Dr. P.Subavathy has participated in Two - Day FDP on Virtual Teaching - Learning MOODLE the Efficient way organized by Faculty of Humanities and Science, Adayalampattu Phase - II Campus in association with The Institution of Engineers (India), Tiruvallur Local Centre from 29.05 2020 to 30.05 2020

FACULTY PARTICIPATION IN FDP



- ✓ Dr.S. Mary Baptista Janet has participated in the 5 days FDP on Unleashing The Power of Webinar to Aquire Essential Skills organized by Govt. Arts and Science College, Komarapalayam from 1st May 2020 to 5th May 2020.
- ✓ Dr.S. Mary Baptista Janet and Dr.Jemma Hermelin Jesy Diaz have participated in the 6 days FDP on Effective usage of ICT tools for smart teaching organized by Jeyaraj Annapackiam College For Women, Periyakulam from 9th May to 14th May 2020.
- ✓ Dr.S. Mary Baptista Janet, Dr. Jemma Hermelin Jesy Diaz, Dr.S.R.T. Sherly Cross, Dr.R. Sri Priya, Dr.M. Paripooranaselvi and Dr.P. Subavathy have participated in the Faculty Development Programme on Improving Teaching Practice-A Strategic Approach organized by IQAC Team St. Mary's College and AAdhi Foundation, Chennai on 26.11.2019.
- ✓ Dr.Sr.C.Shibana has participated in 10 days FDP on Workshop for teachers organized by Universal Teachers Academy from 03rd April-2020 to 12th April 2020.
- ✓ Dr.Sr.C.Shibana has participated in FDP on Ecology,Ecosystem and conservation organized by Courseera on 18.04.2020.
- ✓ Dr.Sr.C.Shibana has participated in 10 days FDP on Workshop for teachers organized by Universal Teachers Academy from 21st April-2020 to 30th April 2020.
- ✓ Dr.Sr.C.Shibana has participated in 6 days FDP on Effects of teaching and learning methodologies organized by Ramachandra College of engineering from 18th May 2020 to 25th May 2020.

FACULTY PARTICIPATION IN FDP



- ✓ Dr.Sr.C.Shibana has participated in one month FDP on Medical Bacteriology organized by Department Of Microbiology Sacred Heart College (Autonomous), Tirupattur - 635 601, Tamil Nadu, India from 1st June to 30th June 2020.
- ✓ Dr. Jemma Hermelin Jesy Diaz has participated in the Faculty Development Programme on Covid - 19 Impact on Education organized by International Youth Society, Tuticorin Chapter on 14.05.2020.
- ✓ Dr. Jemma Hermelin Jesy Diaz, Dr.M. Paripooranaselvi and Dr.P. Subavathy have participated in five days Faculty Development Program on Teaching Using ICT Tools organized by IQAC,Dept of BCA & Dept of IT, JP College of Arts & Science from 20.05.2020 to 24.05.2020.
- ✓ Dr. Jemma Hermelin Jesy Diaz and Dr.P. Subavathy have participated in two days Faculty Development Program on Building a Predictive understanding of Microbial Communities organized by PG & Research Department of Zoology, Nirmala College for Women (Autonomous) Coimbatore on 23.05.2020 to 24.05.2020.
- ✓ Dr.S.R.T. Sherly Cross and Dr. R. Sri Priya have participated in FDP on Invisible Scholars: Students with Learning Disabilities and Identification of Students with Learning Disabilities organized by IQAC, St.Mary's College, Thoothukudi on 02.01.2020.
- ✓ Dr.S.Selvi and Dr.P.Subavathy have participated in 5 days FDP on Innovation to academicians organized by Ramachandra College of Engineering (New en IEDC - RCE Eluru) Department of Science and Technology, Government of India, NewDelhi from 11.05.2020 to 16.05.2020.
- ✓ Dr.S.Selvi has participated in one day FDP on Managing your finances and investments during pandemic and current economic meltdown organized by PG and Research Department of Commerce, St. Mary's College (Autonomous), Thoothukudi on 25.05.2020.

FACULTY PARTICIPATION IN FDP



- ✓ Dr.R. Sri Priya has participated in two Day FDP on Virtual Teaching organized by Teaching Learning Centre, Coimbatore Institute of Technology, Coimbatore on 20.04.2020 to 21.04.2020.
- ✓ Dr. M.Paripooranaselvi has participated in a FDP on Uncovering PIAZZA for Effective Teaching organized by Department of Plant Biology and Plant Biotechnology, Presidency College (Autonomous), Chennai on 27.05.2020.
- ✓ Dr.P. Subavathy has participated in seven days FDP on Avogadro organized by V.O.Chidambaram College, Thoothukudi offered by Spoken Tutorial Project, IIT Bombay funded by National Mission on Education through ICT, MHRD, Govt., of India from 29.04.2020 to 05.05.2020.
- ✓ Dr.P. Subavathy has participated in a FDP on Work from Home organized by Amal College of Advanced Studies, Nilambur on 12.05.2020.
- ✓ Dr.P. Subavathy has participated in a FDP on LaTeX training organized by Sree Narayana Guru College, Coimbatore offered by Spoken Tutorial Project, IIT Bombay funded by National Mission on Education through ICT, MHRD, Govt., of India on 15.05.2020.

FACULTY PARTICIPATION IN CONFERENCE/SEMINAR/WORKSHOP/WEBINAR



Name of the Faculty	No. of Seminars/Webinars / Workshop attended
Dr. Hermin Pasangha	6
Dr.N. Arokiya Mary	8
Dr.P.J. Joslin	42
Dr.S. Mary Baptista Janet	8
Dr. Sr. C. Shibana	8
Dr. Jemma Hermelin Jesy Diaz	29
Dr.S.R.T. Sherly Cross	18
Dr.S. Selvi	17
Dr.R. Sri Priya	10
Dr.M. Paripooranaselvi	40
Dr.P. Subavathy	48

ONLINE COURSES ATTENDED BY FACULTY



Dr.Jemma Hermelin Jesy Diaz

- ✓ Completed NPTEL Online Course – Cell Culture Technologies offered by Indian Institute of Technology (IIT) Kanpur
- ✓ Whole genome sequencing of bacterial genomes – tools and applications authorized by Technical University of Denmark and offered through Coursera completed on 10th July 2019
- ✓ Antimicrobial resistance theory and methods authorized by Technical University of Denmark and offered through Coursera completed on 25th September 2019

Dr.M.Paripooranaselvi

- ✓ Completed an eight week (August-October 2019) NPTEL online course on Ecology and Environment

Dr.P.Subavathy

- ✓ Completed “Bioinformatics : Algorithms and Applications” an online FDP course authorized by IIT Madras through NPTEL.
- ✓ Completed “Drug Discovery” an online non-credit course authorized by University of California San Diego and offered through Coursera on 4th August 2019.
- ✓ Completed “Biomedical Nanotechnology” an online FDP course authorized by IIT Roorkee through NPTEL on November 2019.

AWARDS



Dr.P. J. Joslin

Dr. P. J. Joslin, Associate professor was honored with the prestigious Best Teacher Award by the Global Management Council, Ahmadabad, in recognition of her outstanding dedication and contributions to education.

Ph.D. VIVA VOCE

Dr. S. Selvi, Assistant Professor



Title	Register No. and date of Commencement	Full time/ part time	Fellowship	Completed
Screening of bioactive compounds in marine pufferfish Arothron hispidus (Linnaeus, 1758) from Thoothukudi Coastal region	11092 24.01.2014	Part Time	Nil	02.08.2019

RESEARCH SCHOLARS



S.No	Name	Title	Register No. and date of Commencement	Full time/pa rt time	Fellowsh ip	Comple ted
1	P. Kanthimathi	Screening and Characterization of Bacteria Associated with Puffer Fish from Thoothukudi coast	20112212192 003 7.3.2020	Full time	Nil	Nil
2	J. Esther Mereen	Marine Bioluminescent Bacteria: Genomic Studies and its role as Environmental Biosensor	19212212192 017 29.08.2019	Full Time	Nil	Nil

DC MEETING

Name of the scholar/Staff	Name of the Guide/ Co-guide	Date of meeting
J. Esther Mereen	Dr. Jemma Hermelin Jesy Diaz	06.09.2019
P. Kanthimathi	Dr. P.J.Joslin	11.11.2020

COMMUNITY DEVELOPMENT PROGRAMME



Tree Plantation on 20th July 2019



House Visit on 10th August 2019



தூத்துக்குடி மாவட்டம் பழைய காயல் புனித அந்தோனியார் மேல்நிலைப்பள்ளி வளாகத்தில் தூத்துக்குடி துய மரியன்னை கல்லூரி சார்பில் நடைபெற்ற சமூக மேம்பாட்டு திட்ட நிகழ்ச்சியில், மாவட்ட ஆட்சித்தலைவர் திரு.சந்திபு நந்தூரி, இ.ஆ.ப, அவர்கள் வீட்டு தோட்டம் அமைப்பதை தொடங்கி வைத்தார். அருகில், தருவைகுளம் பங்குத்தந்தை அருட்தந்தை சகாயராஜ் ராயன் தூத்துக்குடி துய மரியன்னை கல்லூரி UBA ஒருங்கிணைப்பாளர் முனைவர்.அருட்சகோத குழந்தை தெரஸ் மற்றும் அலுவலர்கள் உள்ளனர். (03.10.2019)



JalShakthi Gram & Swachhata Hi Sewa Campaign – 3rd October 2019

COMMUNITY DEVELOPMENT PROGRAMME



Visit to Adopted Area 19th October 2019



Visit to Roof Gardening on 9th Dec 2019



Distribution of Nilavembu Kashayam
9th Dec 2019



Rally - basic rights to vote
25th Jan 2020



Medical Camp - Dr.Arthi Kannan, Diabetologist, Sundaram Arulraj
Hospital, Thoothukudi on 29th Feb 2020



FIELD VISIT



III B.Sc students visited Central Marine Fisheries Research Institute, Mandapam, Ramanathapuram District on 10.9.2019.



A visit to AVM Hospital, Thoothukudi was arranged for the students of 4th Semester II B.Sc. Zoology on 28th January, 2020



Visit to Sericulture unit, Nannagaram
06.12.2019

TRAINING PROGRAMME



Training programme on culture techniques of artemia, ornamental fish and marine algae at Centre for marine science and technology, Rajakamangalam on 10.09.2019



Training Programme on Biochemical Composition Analysis of Food, Fisheries College and Research Institute, Thoothukudi on 6.12.2019



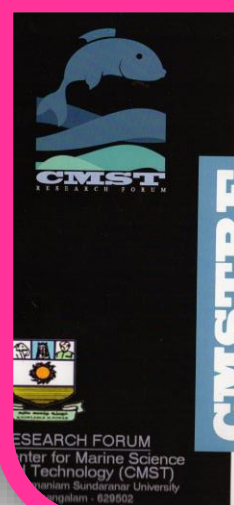
Hands on Training at SCAD-KVK Institute, Vagaikulam on 6.12.2019

- ✓ Training on Poultry Farming at SCAD-KVK Krishi Vigyan Kendra, Vagaikulam, Thoothukudi on 5.12.2019.
- ✓ Hands – on Training on Bee Keeping was arranged for II B.Sc. Zoology students at SCAD – KVK (Krishi Vigyan Kendra) Institute, Vagaikulam on 4th December 2019.
- ✓ Hands – on training on Bee Keeping at SCAD – KVK (KrishiVigyan Kendra) Institute, Vagaikulam on 6th December 2019

TRAINING PROGRAMME



Nine students from the Department of Zoology attended 3 days training programme from 2.12.19 to 4.12.19 at Centre for Marine Science and Technology, Rajakkamangalam, Kanyakumari District. The students were trained on the culture techniques of artemia, ornamental fish and marine algae. They also had a practical session on Isolation of DNA, SDS- PAGE, PCR and Chromatography. The students were able to gain immense scientific knowledge and improved their skills on doing practicals through this training programme.



CERTIFICATE OF PARTICIPATION

Certified that **Ms. M. Sumithra** (B.Sc. IIIrd Year) from **Department of Zoology, St. Mary's College, Thoothukudi** participated in the three day training programme on "Basic Research Techniques" conducted by the CMST RESEARCH FORUM held at Centre for Marine Science and Technology, Manonmaniam Sundaranar University, Rajakkamangalam from 2nd to 4th December, 2019.


Patron


Faculty In-Charge


President



CERTIFICATE OF PARTICIPATION

Certified that **Ms. S. Vimala Maheswari** (B.Sc. IIIrd Year) from **Department of Zoology, St. Mary's College, Thoothukudi** participated in the three day training programme on "Basic Research Techniques" conducted by the CMST RESEARCH FORUM held at Centre for Marine Science and Technology, Manonmaniam Sundaranar University, Rajakkamangalam from 2nd to 4th December, 2019.


Patron


Faculty In-Charge


President

TRAINING PROGRAMME



One day training programme
on Trash to Treasure : Sea
Shell Crafts for III B.Sc.
Students on 7.03.2020.



सत्यमेव जयते

STAR PROGRAMME

2019-2020

Sponsored by

Department of Biotechnology, Ministry of Science & Technology, Govt. of India, New Delhi

Organized by

Marian Star Centre & Department of Zoology, St. Mary's College (Autonomous), Thoothukudi



Certificate of participation

This is to certify that Mr/Ms. Maria Antony Dominikal A of III B. Sc Zoology, St. Mary's College (Autonomous) has participated in the **One Day Training Programme on "Trash to Treasure: Sea Shell Crafts"** on 07.03.2020.

Arockia Jenecius Alphonse

Dr. Sr. Arockia Jenecius Alphonse
Overall Coordinator & Member Secretary
DBT STAR Scheme
St. Mary's College (Autonomous), Thoothukudi

Hermin Pasangha

Dr. Hermin Pasangha,
Associate Professor & Head
Department of Zoology
St. Mary's College (Autonomous)
Thoothukudi

Lucia Rose

Dr. Sr. A.S.J. Lucia Rose
Principal
St. Mary's College (Autonomous)
Thoothukudi

TRAINING PROGRAMMES



**A Five Day Training
Programme on
“Identification of
Marine Fauna with
Special Reference to
Commercially
Important Molluscs”
from 23rd to 28th
December 2019**



TRAINING PROGRAMMES



A Five Day Training Programme on “Compound Feed Formulation for Commercially Important Marine Food Fishes” from 23rd to 28th December 2019.

INTERNSHIP



Eleven students from II B.Sc Zoology and four students from III B.Sc Zoology attended the programme from 19.08.2019 to 26.08.2019 (excluding the holidays). Fish and shellfish are protein rich food that requires value addition to cater the needs of the consumers of today. Value added fishery products not only minimizes the preparation steps and time but also utilizes low-value fishes and by-catches. Our students received hands on training in the preparation of fish biscuits, fish cutlet, fish samosa, fish buns, masmin etc. The skilled technology learned by our students will promote the employment opportunities and entrepreneurship.



STUDENTS' ACTIVITIES



Year	Participation	Prizes	Paper Presented/Published	Fine arts	Sports
2019-20	148	31	1	9	22

NCC

- ✓ Lispa, a first-year B.Sc. Zoology student, participated in various events, including the NCC Firing Camp on 14th March 2021 and the International Day of Yoga on 20th June 2020. She also took part in an Online Tree Plantation Programme in September 2020 and a week-long initiative on "Healthy Habits: The Way of Living" from 13th to 20th September 2020. Additionally, Lispa contributed to a session on "The Effects of Plastics and Its Use" on 18th December 2020 and attended a program on "Well-Being Amidst COVID-19" on 22nd May 2021.

MOOC COURSES FOR I M.Sc.



SEMESTER I

Course Name : Solid and Hazardous Waste Management

Course Code: ugc19_bt18

National Coordinator : UGC

Instructor : Prof. Vinod Kumar Garg, Professor and Dean, School of Environment and Earth Sciences, Central University of Punjab, Bathinda

Duration : 15 Weeks; **Credits :** 4

Start Date : 15 July 2019; **End Date :** 30 October 2019

Proctored Examination : 10.11.2019

SEMESTER II

Course Name : Food Microbiology and Food Safety

Course Code: cec20_ag04

National Coordinator : CEC

Instructor : Dr. Tejpal Dhewa, Central University of Haryana

Duration : 15 Weeks; **Credits :** 4

Start Date : 06 January 2020; **End Date :** 30 April 2020

Proctored Examination : 09.05.2020

S.No.	Name of the Course	Course Co-ordinator	No of Students Appeared	No of Students Passed	National Level Rank
1.	Solid and Hazardous Waste Management	UGC	10	8	-
2.	Food Microbiology and Food Safety	CEC	2	-	-



SPOKEN ENGLISH VIVA - GEN. ENGLISH


A spoken English viva was conducted for I UG students on 27.03.2019 and for II UG students on 28.03.2019.

III UG & II PG PROJECTS

The Department of Zoology showcased academic excellence with III B.Sc. Zoology students completing 9 projects and II M.Sc. Zoology students contributing 8 innovative projects this year.

PASS PERCENTAGE

The Department of Zoology achieved outstanding academic success with a 97.78% pass percentage in B.Sc. and a remarkable 100% pass percentage in M.Sc.





STUDENTS PROGRESSION TO HIGHER STUDIES

Year	UG - PG	UG - B.Ed.
2019- 20	12	1

PLACEMENT

Shakthi Vinmathy placed as an Academic Specialist in
BYJU'S, Bangalore

Thank
You