



NEWSLETTER





2020-2021

PG AND RESEARCH

DEPARTMENT OF ZOOLOGY

ST. MARY'S COLLEGE (AUTONOMOUS)

THOOTHUKUDI



Message from the Head of the Department

“By education I mean an all-round drawing out the best in child and man in body, mind and spirit”

- Mahatma Gandhi



As we embark on another academic year filled with promise, growth, and learning, it is essential to reflect on the broader purpose of education. True learning begins with holistic education which extends beyond the classrooms and textbooks to nurture all aspects of individual growth. In this new era of science and technology, teachers are entrusted with the responsibility of mentoring and shaping young minds ensuring a bright and well-secured future. Our highly qualified, experienced and dedicated faculty members along with the supporting staff strive hard to ensure the holistic development of students.

The advancements in infrastructure, laboratory facilities and inculcation of research culture not only uphold high academic standards but also helps develop essential skills to succeed as productive and responsible members of society. Our students' participation and achievements in curricular and co-curricular activities bring laurels to the department, ensuring their overall development. STAR College Scheme sponsored science exhibitions, seminars, hands-on training programmes and field trips encourage creative and intellectual growth. Furthermore, community development activities provide a platform to nurture empathy, problem-solving ability and social readiness for the well-being of society.

I wish to congratulate the staff and students for their dedication and hard work in bringing out this newsletter. May your future be filled with memorable moments, wonderful opportunities and amazing achievements.

Editorial Team

The editorial team comprising of Dr.N.Arokiya Mary, Dr.Hermin Pasangha, Dr.P.J.Joslin, Dr.S.Mary Maptista Janet, Dr.Sr.C.Shibana, 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 collaboratively designed the newsletter with meticulous effort.

NEWSLETTER

PROGRAMS ORGANISED

Webinar - Covid 19 – A Herculean Challenge to Human Immunology

Department of Zoology organised a webinar on the topic 'COVID 19 – A HERCULEAN CHALLENGE TO HUMAN IMMUNOLOGY'. Dr.P. Rajavel Murugan M.D (Gen) DCH, Associate Professor, Dept. of General Medicine, Govt. Thoothukudi Medical College, was the resource person. The webinar was held on 05.06.2020 at 10 a.m. using Zoom meeting. The UG and PG students and the faculty members of our college and other colleges were the beneficiaries.



ST. MARY'S COLLEGE
(AUTONOMOUS)
(Re-accredited with 'A+' Grade by NAAC)
THOOTHUKUDI - TAMILNADU

PG AND RESEARCH DEPARTMENT OF ZOOLOGY

Organizes a Webinar on

COVID19 - A HERCULEAN CHALLENGE TO HUMAN IMMUNOLOGY

Resource Person
DR. P. RAJAVEL MURUGAN M.D. (Gen) DCH
Associate Professor
Department of General Medicine, Govt. Thoothukudi Medical College

Host special notes from
Sr. Flora Mary Secretary
Dr. Sr. A. S.J. Lucia Rose Principal
Sr.F. Mary Joyce Baby Director (SSC)

Organiser
Dr. Sr. Shibana
Assistant Professor of Zoology
Deputy Principal

Convenor
Dr. Hermin Pasangha
Head and Associate Professor of Zoology

Date : 5th June 2020
Time : 10 am - 11 am IST
Platform : Cisco WebEx Meeting

No Registration Fee E-Certificate will be provided
Any queries contact : amreea.zoo@gmail.com 9443485878
Registration link : <https://forms.gle/tAxSgWFPgscl6W36>

STAY HOME STAY SAFE STAY POSITIVE

International Webinar - A Path to Wellness: Diabetes and Me

PG and Research Department of Zoology organized an international webinar on "A Path to Wellness : Diabetes and Me" on 26.6.2020 from 10.30 a.m. to 12.00 p.m. Dr.Aarathy Kannan Consultant Physician and Diabetologist, Sundaram Arulraj Hospital, Thoothukudi and Dr.Aarthi Surendran, Consultant in Diabetes and Endocrinology, University Hospital Lewisham London delivered the lectures on different aspects of Diabetes. Around 190 students and faculty members were benefitted out through this programme.



St.Mary's College (Autonomous)
(Re-accredited with A+ Grade by NAAC)
Thoothukudi
Department of Zoology
Organizes

INTERNATIONAL WEBINAR
on

A Path to Wellness: Diabetes and Me

Date: 26 June 2020
Time: 10.30 am - 12 Noon

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

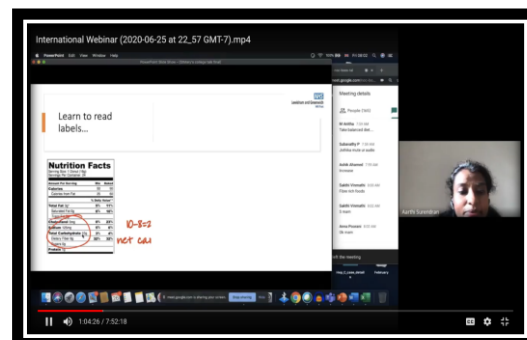
Patron
Rev.Dr.Sr.A.S.J.Lucia Rose
Principal, St.Mary's College(Autonomous)
Thoothukudi

CONTACT:
zoologywebinar26@gmail.com
Registration link:
<https://forms.gle/tAxSgWFPgscl6W36>
No Registration Fee
E-Certificate will be provided

Resource Persons
Session 1
Dr. Aarathy Kannan
MD., Dip.Diab., MBA (HM)
Consultant Physician & Diabetologist
Sundaram Arulraj Hospital
Thoothukudi

Session 2
Dr.Aarthi Surendran
M.D., MRCP, CCT
Consultant in Diabetes and Endocrinology
University Hospital Lewisham
London

Convenor: Dr.Hermin Pasangha
Head and Associate Professor of Zoology
Organizing Secretary: Dr.Sr.C.Shibana
Assistant Professor of Zoology
Coordinator: Dr.P.Subavathy
Assistant Professor of Zoology



International Webinar - Marine Biology

An international webinar on Marine Biology was organized by the PG and Research Department of Zoology on online mode on 11.08.2020. Dr. I Jagadis, Principal Scientist and Scientist-In-charge, Tuticorin Research Station of CMFRI, Tuticorin and Prof. Kirsten Benkendorff, Director, National Marine Science Centre, School Environment Science and Engineering, Southern Cross University, Lismore, Australia were the resource persons. Around 200 students and faculty from various colleges participated in the webinar.

St. Mary's College (Autonomous)
(Re - accredited with A+ Grade by NAAC)
Thoothukudi

PG and Research Department of Zoology
Organizes

INTERNATIONAL WEBINAR
on
MARINE BIOLOGY
Date: 11.08.2020
Time : 9.50 a.m - 12 Noon

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

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

Session - 1
Time: 10. a.m - 11.a.m IST
Topic: Marine Gastropods

Session - 2
Time: 11 a.m - 12 Noon IST
Topic: Medicines from Marine Molluscs

Resource Persons

Dr. I. Jagadis
Principal Scientist
& Scientist in Charge,
Tuticorin Research Station of CMFRI,
Tuticorin

Prof. Kirsten Benkendorff
B.Sc. (Hons 1, Mq, Ph.D. (UoW)),
Director, National Marine Science Centre,
School Environment, Science and Engineering,
Southern Cross University,
Lismore, Australia

Registration link
<https://forms.gle/wEwmtgRZFAtBuXndA>

CONTACT
inmarinebio2020@gmail.com

No Registration Fee
E- Certificate will be provided

Convener
Dr. Hermin Pasangha
Head & Associate Professor of Zoology

Organizing Committee

Dr. N. Arockya Mary
Dr. P.J. Joslin
Dr. S. Mary Benedicta Janet
Dr. S.C. Shilpa
Dr. Jemma Nemethi
Dr. Jay Chaz

Dr. S.R.T. Shirley Cross
Dr. B. Sehl
Dr. M. Sanyal
Dr. M. Pariparamasahar
Dr. P. Subavathy

Southern Cross University
National Marine Science Centre

Medicines from Marine Molluscs

Professor Kirsten Benkendorff
Director, National Marine Science
Centre,
SCU, Australia

For St Mary's College,
August 2020 of Zoology Webinar

Workshop - Exploring Online Tools for Enhanced Learning

The School of Biological Sciences organised a one-day online workshop on exploring online tools for enhanced learning on 12th September 2020, sponsored by DBT, Star College Scheme, New Delhi, for the UG students (225) of the School of Biological Sciences. Mr. Vimal Jerald, Assistant Professor of Computer Science, St. Joseph's College (Autonomous), Tiruchirappalli was the resource person. The workshop was organized by Rev. Sr. Dr. Arockia Jenecius Alphonse, Overall Coordinator and Member Secretary, Star College Scheme and the Heads of the Department of School of Biological Sciences.

STAR PROGRAMME
2020 - 2021
Organized by

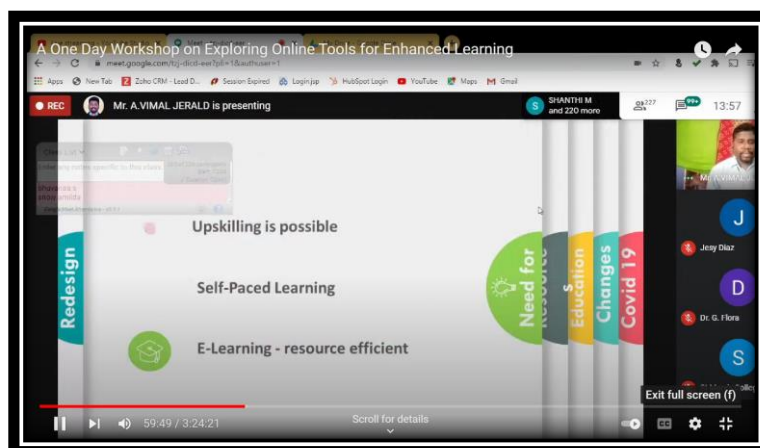
Marian Star Centre
School of Biological Sciences
St. Mary's College (Autonomous),
Re-accredited by NAAC with 'A+' Grade
Thoothukudi - 628 001.

A One Day Online Workshop
on
Exploring Online Tools for Enhanced Learning
Sponsored By

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

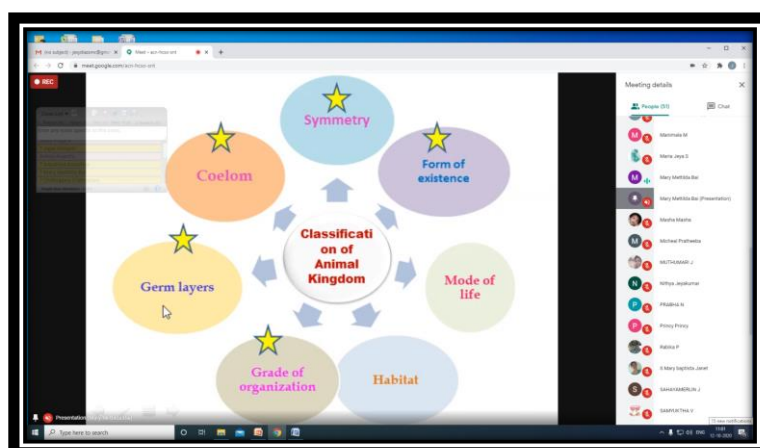
Resource Person
Mr. A. Vimal Jerald
Assistant Professor,
Department of Computer Science,
St. Joseph's College (Autonomous),
Tiruchirappalli.

Date : 12.09.2020 **Time : 1 PM to 4 PM**



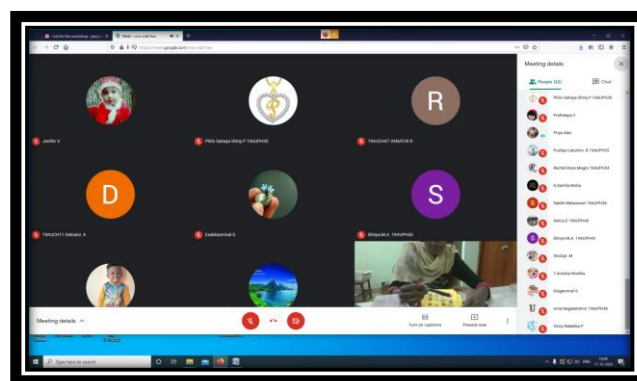
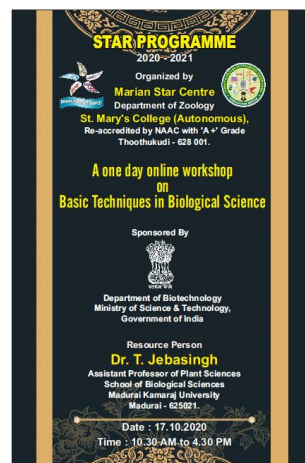
Guest Lecture - Invertebrates – An Overview

A guest lecture on “Invertebrates – An overview” sponsored by DBT, Govt. of India, New Delhi under star college programme was organized by the department of Zoology, St. Mary’s College (Autonomous) Thoothukudi on 12th October 2020 through online portal google meet. Dr. Mary Metilda Bai Head and Assistant Professor, Dept. of Zoology, Holy Cross College (Autonomous) Thoothukudi was the resource person. The resource person in her lecture highlighted the classification of invertebrates and characteristic features of each Phylum with colourful pictures and videos.



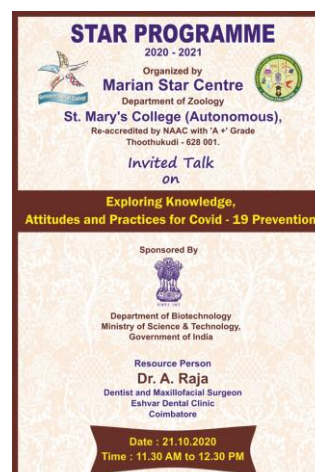
Workshop – Basic Techniques in Biological Sciences

A workshop was organized by the Department of Zoology, as a part of Star College Programme of St. Mary's College (Autonomous) through Google Meet on 17.10.2020 between 10.30 A.M to - 4.30 P.M. The workshop was organized for undergraduate students of Botany, Zoology, Physics and Chemistry who has biotechnology in their syllabus. The workshop was conducted by Dr. T. Jebasingh, Assistant Professor, Department of Plant Sciences, School of Biological Sciences, Madurai Kamaraj University. The students were given training on the basic techniques of biotechnology – Plasmid isolation, Agarose gel electrophoresis and PCR. A total of 86 students were benefited out of this workshop.



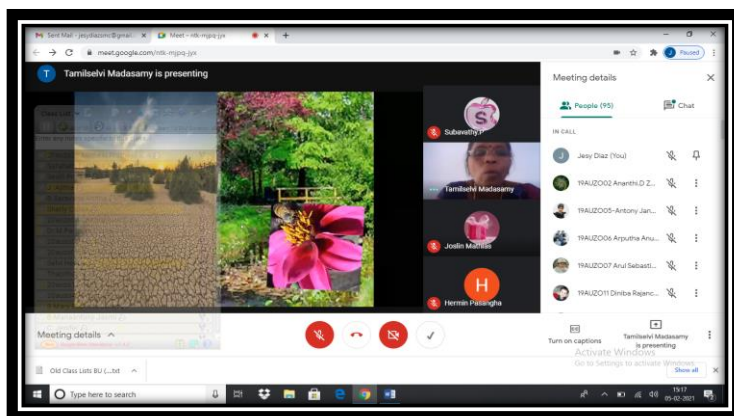
Invited talk - Exploring Knowledge, Attitudes and Practices for Covid – 19 prevention

An Invited talk on the topic Exploring knowledge, attitudes and practices for Covid – 19 prevention was held on 21.10.2020 as a part of Star Programme sponsored by DBT, New Delhi. Dr. A. Raja, Dentist and Maxillofacial surgeon, Eshvar Dental Clinic, Coimbatore delivered the lecture on various aspects of the pandemic Covid- 19. He deliberated the origin and structure of Corona virus. The talk inculcates deep insight into the diagnostic procedures of Covid – 19.



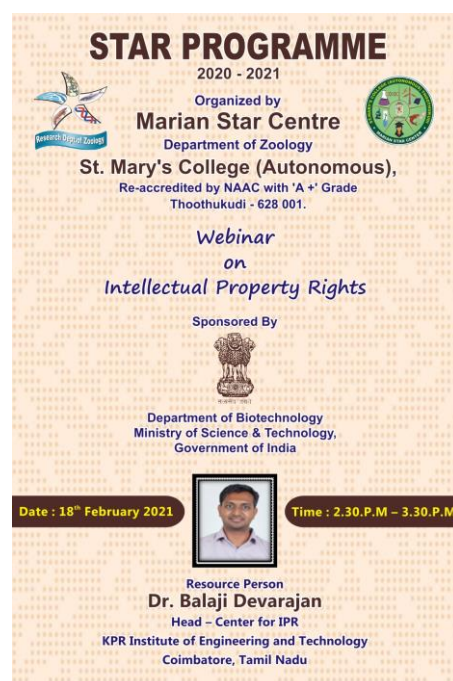
Association Meeting

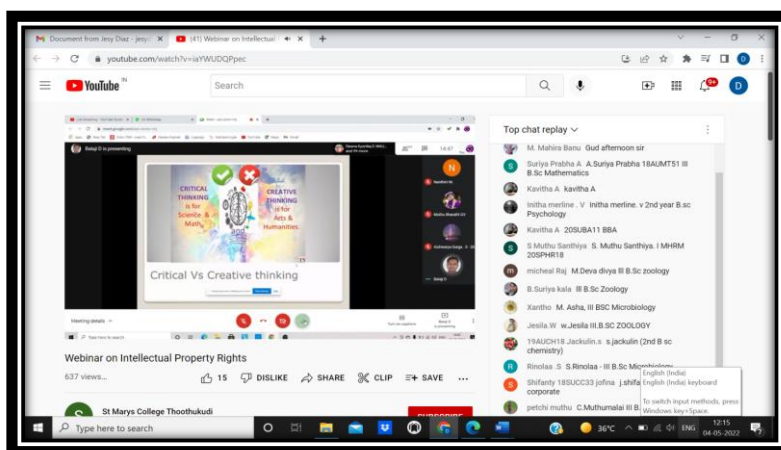
The meeting of the Zoology Association was held on 05.02.2021 through Google platform. Dr. M.Tamil Selvi Associate Professor of Zoology, V.V.Vanniam Perumal College for Women, Virudu Nagar, served as the resource person. Dr.M.Tamil Selvi on her lecture on 'Culture Practice in Bee Keeping', focused on the apiary management, primary and secondary products from apiary, scope and importance of learning apiculture. N. Gayathri of II B.Sc Zoology proposed vote of thanks and the meeting came to an end with the college anthem.



Webinar - Intellectual Property Rights

A webinar on "Intellectual Property Rights" was organized by Marian Star centre, Department of Zoology, St.Mary's College (Autonomous), Thoonthukudi on 18th February 2021 through virtual platform. Dr. Balaji Devarajan Head, Center for IPR, KPR Institute of Engineering and Technology Coimbatore was the resource person. Through his simple language, he explained the basic concepts of intelligence, critical and creative thinking. Staff members and students from star departments (108) and from non star departments (108) participated in the webinar.





Workshop - Clinical Laboratory Equipments

The Marian Star Centre, Department of Chemistry and Zoology jointly organised a Workshop on "Clinical Laboratory Equipments" on 3rd March 2021, sponsored by DBT, Star College Scheme, New Delhi. Mr.T.Kombiah, Proprietor, Thanshri Diagnostics, Tirunelveli was the resource person. He explained clearly step by step the method of determination of blood parameters like sugar, cholesterol, protein, albumin, urea and creatine using semi autoanalyser in the Chemistry department. The next session took place in zoology department laboratory where he explained the determination of pH, nitrite, specific gravity, ascorbic acid, glucose, bilirubin, urobilinogen, ketone, leucocyte, protein, creatinine, calcium and microalbumin using urine analyser, then counting blood cells using hemocytometer, haemoglobin content in the blood using hemoglobinometer and blood pressure using sphygmomanometer.



Hands on Training – Sericulture

‘A Hands on training on Sericulture’ and inaugural function of the Mulberry sericulture unit was organized by the Research Forum in collaboration with Department of Zoology and Institution’s Innovation Council, St. Mary’s College (Autonomous), Thoothukudi on 19.03.2021 in the Star Hall. Dr. Noble Morrison, Retired Scientist D, Research Extension Centre, Central Silk Board, Kolar, Karnataka was the chief guest for the inaugural function and the resource person for the training. In his training session, the resource person highlighted the need for establishing sericulture units in India. 110 undergraduate and postgraduate students of Department of Zoology were the beneficiaries.



Faculty Training Programme - Computational Biology

A Faculty Training Programme on ‘Computational Biology’ was organized by the PG and Research Department of Zoology, St. Mary’s College (Autonomous), Thoothukudi in collaboration with the Department of Zoology, Rani Anna Government College for Women, Tirunelveli as a part of the DBT STAR College Program of St. Mary’s College (Autonomous), Thoothukudi. The Faculty training program was conducted for five days through Zoom meet platform. The FTP included invited lecture sessions where eminent faculty in the field of bioinformatics were the resource persons. Dr. A. Mahalakshmi, Assistant Professor of Zoology, Lady Doak College, Madurai was the trainer for the whole programme.

Star Programme 2020 - 2021

ORGANISING COMMITTEE

St. Mary's College (Autonomous)

Dr. N. Ananya Mary, Associate Professor of Zoology
Dr. P.J. Jeyaraj, Associate Professor of Zoology
Dr. S. Mary Elizabeth Janet, Associate Professor of Zoology
Dr. Sr. G. Shilpa, Assistant Professor of Zoology
Dr. Jeyama Hemalatha Jayi Das, Assistant Professor of Zoology
Dr. S.R.T. Shanley Cross, Assistant Professor of Zoology
Dr. S. Sairaj, Assistant Professor of Zoology
Dr. R. Sathya, Assistant Professor of Zoology

Patrons
Rev. Sr. Flora Mary, Secretary,
St. Mary's College (Autonomous), Thoothukudi.
Chairperson
Rev. Dr. Sr. A.S.J. Lucia Rosa, Principal,
St. Mary's College (Autonomous), Thoothukudi.

Program Coordinator
Dr. Sr. Anolika Jemelius Alphonsa, Overall Coordinator & Member Secretary,
**DBT Star College Scheme, Assistant Professor of Biology,
 St. Mary's College (Autonomous), Thoothukudi.**

Convenors
Dr. Hemini Pasangha, Associate Professor & Head,
**Department of Zoology,
 St. Mary's College (Autonomous), Thoothukudi.**
Dr. P. Victoria Thangam, Head & Associate Professor,
**Department of Zoology,
 Rani Anna Government College for Women, Tirunelveli.**

STAR PROGRAMME 2020 - 2021

Sponsored By

**Department of Biotechnology
Ministry of Science & Technology,
Government of India**

**Faculty Training Programme
On Computational Biology
06-05-2021 to 11-05-2021**

Organized by
Marian Star Centre
**PG & Research Department of Zoology
St. Mary's College (Autonomous),
(Re-accredited by NAAC with 'A+' Grade)
Thoothukudi - 620001**

In Collaboration with
**Rani Anna Government College for Women,
Tirunelveli - 6.**

Mail id : marianstarcentre2020@gmail.com

About the college

St. Mary's college (Autonomous), a catholic institution of higher education for women, founded in 1942, plays a significant role in shaping the destiny of innumerable young coastal women in and around Thoothukudi. With a proud legacy of 72 years, the college has excelled in every discipline keeping in pace with the global trends in the academia. The college, affiliated to Manonmaniam Sundaram University, Tirunelveli, offers graduate, post-graduate, M.Phil. and Ph.D. programmes in various disciplines and has attained Autonomous Status in the year 2008. Recognising the pre-eminence within the campus, the NAAC has accredited the institution with 'A+' grade in its fourth cycle. A holistic education with an overall personality development is ensured by involving students in academic, curricular and co-curricular activities. The motto of the college is 'FIDES VINCIT' (Faith by Faith).

About DBT STAR College Scheme

Star College Scheme has been initiated by Department of Biotechnology (DBT) in 2008 to support colleges and universities offering undergraduate education to improve science teaching across the country. DBT identifies colleges with ambition and potential for excellence and provide academic and physical infrastructures for achieving excellence in teaching and unique exposure of students to experimental sciences. Department has supported around 200 undergraduate colleges across the country in the past 8 years. Star College scheme was sanctioned in March 2018. Four departments of the college namely Physics, Chemistry, Botany and Zoology have been recommended by the Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India, New Delhi, to receive financial assistance under the Star College Scheme.

About the FTP

With the advent of high-throughput sequencing technologies, numerous organisms are being sequenced and the sequences are being submitted in the databases. Computational Biology is the field of biology which helps to integrate the sequence information, to perform functional annotation of the sequences, Computational Biology finds application in almost all the fields of biology including molecular biology, structural biology, diagnostics, drug discovery, comparative genomics etc. This workshop will cover hands-on training and specialized lectures on database, genomics and proteomics tools, and structural analysis to understand the broad utility of bioinformatics in biology.

Programme Schedule

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

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

Invited Lectures
Dr. K. Sujatha, Assistant Professor, Department of Zoology,
Lady Doak College, Madurai.
Topic : Effective Usage of InSilico Tools in Experimental Research

Date : 06-05-2021
Time : 12.30 - 3.30 p.m

Date : 07-05-2021
Dr. A. Mahalakshmi, Assistant Professor, Department of Zoology,
Lady Doak College, Madurai.
Topic : Current Trends and Application of Bioinformatics in Life Science Research

Date : 08-05-2021
Dr. A. Mahalakshmi, Assistant Professor, Department of Zoology,
Lady Doak College, Madurai.
Topic : Multiple Sequence Alignment and Phylogenetic Analysis.

Date : 09-05-2021
Dr. Babylakshmi Muthusamy, Research Scientist,
Institute of Bioinformatics, Bangalore.
Topic : Computational Approaches for Microbial Diagnostics

Date : 10-05-2021
Dr. D. Bhaskaran, Assistant Professor of Biotechnology,
Mother Teresa Women's University, Kodaikanal.
Topic : Whole Genome Sequencing - Assembly and Annotation of Microbial Genomes

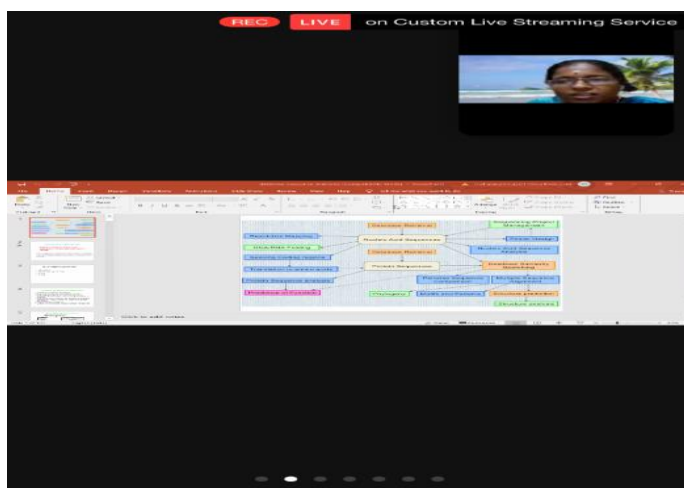
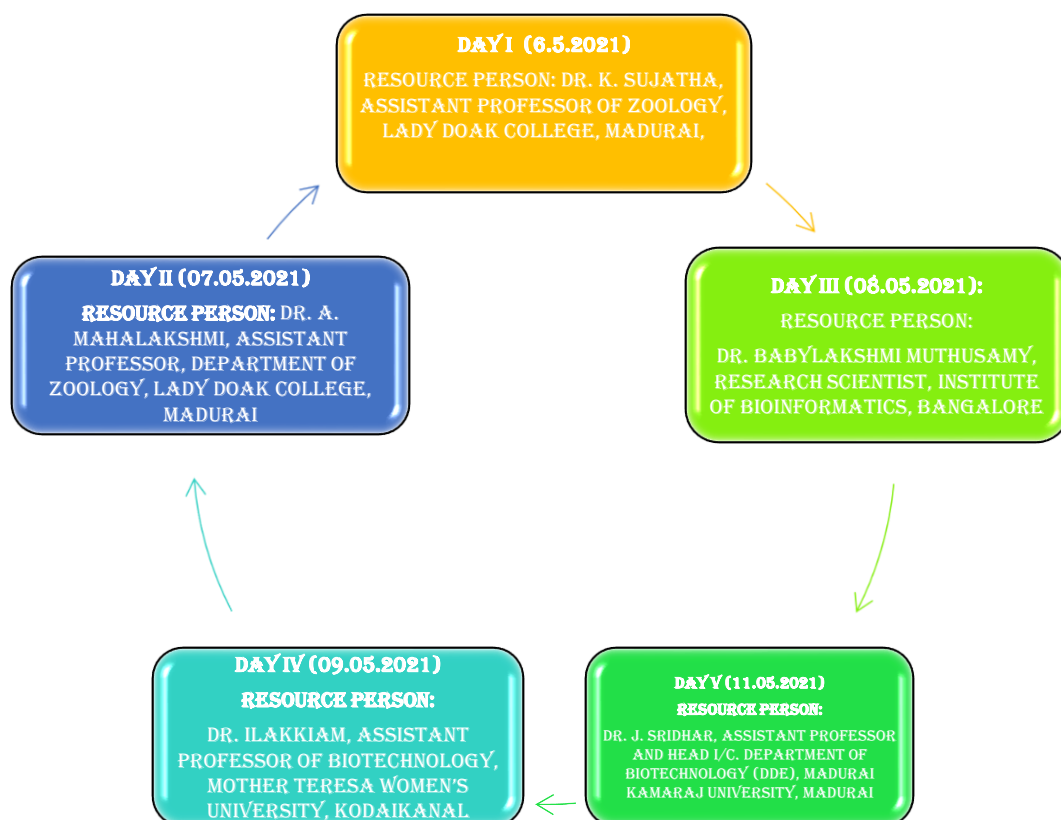
Date : 11-05-2021
Dr. J. Sathya, Assistant Professor and Head of,
**Department of Biotechnology (DBT),
 Madurai Kamraj University, Madurai.**
Topic : High - Throughput Data Analysis Using Bioinformatics Tools

Hands on training Sessions

Date : 06-05-2021
Time : 3.30 - 4.30 p.m
Trainer : Dr. A. Mahalakshmi, Assistant Professor, Department of Zoology,
Lady Doak College, Madurai.

Date : 08-05-2021
Computational Biology- An Overview and Introduction to Data Bases

Date : 07-05-2021
Bioinformatics Similarity Search



BRIDGE COURSES

IQAC conducted the Students Induction Programme for the first year UG students on the digital platform on 24-Aug-2020 & 25-Aug-2020. An Orientation on grooming the college going students and institutional procedures was given to the Parents. “College Orientation” to the Freshers began with an Introductory Note by Mrs.J.Anila Maily, Staff Advisor, Students’ Council and welcome Address by Dr.B.Serena Margaret, SIP & IQAC Coordinator. The Principal Dr. Sr. A.S.J. Lucia Rose in her Inaugural Address set the tone of the freshers’ blooming academic life in the esteemed institution.

IQAC conducted the Students Induction Programme for the first year PG students on the digital platform on 02-Sep-2020. “College Orientation” to the Freshers began with an Introductory Note by Dr. B. Serena Margaret, SIP & IQAC Coordinator and welcome Address by Mrs. J. Anila Maily, Staff Advisor, Students’ Council. The Principal Dr. Sr. A. S. J. Lucia Rose in her Inaugural Address encouraged the students to have a vision to enrich their academic life in their postgraduation period in the glorious institution. Dr. Sr. C. Shibana, Deputy Principal in her session on “Familiarising the Marian Norms” broadened the students’ perception of the institution by highlighting the rules and the regulations of the institution. The “Virtual College Tour” prepared them for an academic journey lying ahead in the campus for them.

Lab Activities

The department has conducted 82 lab activities among them 6 for I UG, 10 for II UG, 7 for III UG, 42 for I PG, 13 for II PG to equip the skills of students. It helped to address the challenges inherent in directly observing and manipulating the material world, including troubleshooting equipment used to make observations, understanding measurement error, and interpreting and aggregating the resulting data. Also it developed the practical skills among students.



Mentor-Mentee System

- The mentor-mentee system maintained an open and friendly environment between mentor and mentees. Mentoring provides students emotional and instrumental support, guidance, encouragement and better environment in college. 44, 50, 45, 15, 8 students of I, II, III UG and I, II PG benefitted out from the mentor-mentee system.

CERTIFICATE COURSE

The department has offered certificate course on Value Added Food Products for III B.Sc and 39 students were benefitted out of this course. This course provided a platform for the students to enhance their skills required to cater the need of the academic and industrial prospects.

PTA MEETING

The Parent-Teacher Association meeting, held on 19.03.2021 for the students of III years. It provided a platform for parents to engage with the department and share their experiences.

STUDENTS ENROLLED

The Zoology Department welcomed its new batch of students, comprising 47 aspiring undergraduates in the B.Sc. program and 10 postgraduate scholars in the M.Sc. program, marking a successful start to the academic year.

BOARD OF STUDIES

The Board of Studies Meeting of the Department of Zoology was conducted on 27.02.2021 at 10.00 a.m. in the Department of Zoology. It was presided by 4 external experts. Dr. R. M. Murugappan, Dr. F. Brisca Renuga, Dr. T. Jeyalalitha, Dr. Antony Amala Jeyaseeli. The board members discussed the POs and PSOs of the UG and PG programmes and they also approved the syllabus for both the UG and PG programmes. The meeting focussed on the framing the content of various courses, reviewing and updating the content from time to time. All academic programmes are delivered through the Outcome Based Education (OBE), in which an emphasis is placed on a clearly articulated idea of what students are expected to know and be able to do.

ALUMNAE MEET

- The Alumnae Meet of Chennai chapter was held on 27.03.2021 via Google meet platform and YouTube. Mrs. Griselda, Head Mistress, The Vikasa School, Thoothukudi was the chief guest. It provided a platform for alumni to reconnect with the college, share their experiences, and forge meaningful connections with current students and faculty members.

Publications 2020-2021 by Faculty

Dr.P.J.Joslin had contributed a chapter 'Effects of Climate Change on Marine Organisms' in the Book *Climate Change: Impact on Environment*. (ISBN: 978-81-947114-0-7).

Dr.S.Mary Baptista Janet had published an article 'Molecular Characterization of Protein and Antioxidant Capacity of *Turbo brunneus* R., *Cypraea annulus* L., and *Babylonia spirata* L.' in the International Journal of Pharmaceutical Sciences and Research, 11(7): 3285-3293.

Dr.Sr.C.Shibana has published a book 'Environmental Studies', Archers and Elevators Publishing House, Bangalore. It is a text-book focusing on significant basics of forest, water, minerals, aspects of biodiversity, renewable and non-renewable resources, environmental pollution, environmental protection and management. It has adequate depth to make it appropriate as a textbook for students of different courses including humanities, commerce, science and engineering.

Dr. Jemma Hermelin Jesy Diaz had published an article 'GC-MS Analysis and Anti-inflammatory Activity of *Murex tribulus*' in the International Journal of Pharmaceutical Sciences and Research Journal, 11 (12): 6184-6188.

Dr. Jemma Hermelin Jesy Diaz had published an article 'Antidiabetic (AD) studies of Bis Glycine Hydro Bromide – BGHB crystals milled to nano scale of 219 nm as the preliminary fine particles' in the Materials Today: Proceedings Elsevier Journal, 33 (7): 3763-3765.

Dr.S.R.T.Sherly Cross had published an article 'Seasonal Variation of Heavy Metals in the Intertidal Gastropod *Trochus radiatus* of Gulf of Mannar' in the Open Journal of Marine Science, 11 (02): 92-102.

Dr.S.Selvi had contributed a chapter 'Plants and Climate Change: Impact on Environment' (ISBN: 978-81-947114-0-7).

Dr.R.Sri Priya had contributed a chapter 'Plants and Climate Change: Impact on Environment' (ISBN: 978-81-947114-0-7).

Dr.M.Paripooranaselvi had contributed a chapter 'Effects of Climate Change on Marine Organisms' in the Book *Climate Change: Impact on Environment*. (ISBN: 978-81-947114-0-7).

Dr.M.Paripooranaselvi had contributed a chapter 'Climate Change: Risks and Rescue of Marine Organisms' in the Book *Climate Change: Impact on Environment*. (ISBN: 978-81-947114-0-7).

Dr.P.Subavathy had published an article 'Molecular Phylogenetic Analysis of *Turbo brunneus* (R.1798), *Cypraea annulus* (L.1758) and *Babylonia spirata* (L.1758)' in the Advances in Zoology and Botany Journal, 8(3): 251-257.

Dr.P.Subavathy had published an article 'Molecular Characterization of Protein and Antioxidant Capacity of *Turbo brunneus* R., *Cypraea annulus* L., and *Babylonia spirata* L.' in the International Journal of Pharmaceutical Sciences and Research, 11(7): 3285-3293.

Paper Presentation by Faculty

Name	Name of the Seminar	Type	Title	Organized by	Date
Dr.S.Selvi	Recent Trends in Science and Technology	E - Conference	Molecular docking studies of potent anticancer agents from liver extract of marine puffer fish <i>Arothron hispidus</i>	Marian Star Centre, Department of Botany, St. Mary's College (Autonomous), Thoothukudi	29-Apr-2021 to 30-Apr-2021

Faculty as Resource Persons

S.No.	Name	Title of the Expert Talk	Title of the Seminar/ Webinar/ Conference/ Others	Date	Organised by Department & College / University / Institution
1.	Dr.Sr.C. Shibana	Current Perspectives of Stem Cell and its Application	National Summer School on Biotechnology	23-Jul-2021	Marian Star Centre, St. Mary's College (Autonomous), Thoothukudi
2.	Dr. R. Sri Priya	Biotechnology for a Better Tomorrow- Green Biotechnology	Web Conference	26-Jun-2020	Department of Biotechnology, Kamaraj College of Engineering and Technology, Virudhunagar
3.	Dr.M.Paripoor anaselvi	Session Chair Person	Recent Trends in Multi-Disciplinary research	08-Apr-2021 to 09-Apr-2021	A.P.C.Mahala xmi College for Women, Thoothukudi
4.	Dr.S.Selvi	Resource Person	Awareness Talk on Covid – 19	26-Apr-2021	CDP – Adopted Area - Pazhayakayal

Participation in RC/OC/Seminars/WS Faculty members have participated in the followings:

- Dr.N.Arokiya Mary, Dr.Hermin Pasangha, Dr.P.J.Joslin, Dr.S.Mary Maptista Janet, Dr.Sr.C.Shibana, 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 390 various international and national level webinars, e-conferences, seminars, virtual lecture workshop and online training programmes.
- Dr.N.Arokiya Mary, Dr.Hermin Pasangha, Dr.P.J.Joslin, Dr.S.Mary Maptista Janet, Dr.Sr.C.Shibana, 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 79 faculty development programmes through virtual mode.

Name	Title of the FDP/ RC/OC/STC/In	Organised by Department/ HRDC & College / University / Institution/MHRD	Date and Duration
Dr.N.Arokiya Mary	Mossbauer Spectroscopy-Elucidation of Magnetic Compounds in Biological System	PG and Research Department of Botany, St.Mary's College(Autonomous) Thoothukudi	02-06-2020-03-06-2020 - 2 days
Dr.N.Arokiya Mary	A Path to Wellness: Diabetes and Me	PG and Research Department of Zoology St.Mary's College (Autonomous) Thoothukudi	26-06-2020
Dr.N.Arokiya Mary	Computational Biology	PG and Research Department of Zoology St.Mary's College (Autonomous) Thoothukudi	6-05-2021 to 11-05-2021 - 6 days
Dr. Hermin Pasangha	Computational Biology	PG and Research Department of Zoology, St. Mary's College (Autonomous), Thoothukudi In collaboration with Department of Zoology, Rani Anna Government College for Women, Tirunelveli, Tamil Nadu, India	6-05-2021 to 11-05-2021 - 6 days
Dr.P.J.Joslin	Invisible Scholars: Students with Learning Disabilities& Identification of students with learning disabilities	St. Mary's College (Autonomous)Thoothukudi	02-06-2020
Dr.P.J.Joslin	Modern Teaching, Evaluation and Research Methods	M.S.P.Mandal'sVinayakrao Patil Mahavidyalaya, Vaijapur, Aurangabad	2-06-2020 to 7-06-2020
Dr.P.J.Joslin	Programming the mind with creative visualization	Mary Matha College of Arts and Science Periyakulam	05-06-2020

Dr.P.J.Joslin	E- Learning Resource Creation – A beginning towards new era of E- Learning	D.Y.Patil College of Engineering and Technology, Kolhapur	8-06-2020 to 20-06-2020
Dr.P.J.Joslin	Research Capacity Building	V .O. Chidambaram College, Thoothukudi	15-06-2020 to 17-06-2020
Dr.P.J.Joslin	Academic Writing and Opportunity for the Publication	Dept. of Commerce (CA) Dr. SNS Raja Lakshmi College of Arts and Science (Autonomous) Coimbatore	17-06-2020
Dr.P.J.Joslin	Changing Scenario in the global higher education	IQAC, Servite Arts and Science College for women, Thogaimalai	19-06-2020
Dr.P.J.Joslin	Online Faculty Induction Program	IQAC, JagadambaMahavidyalaya Amravati	15-07-2020 to 19-07-2020
Dr.P.J.Joslin	E-contents and ICT Tools for innovative and Effective Teaching	KS Jain Institute of Engineering and Technology Modinagar	15-07-2020 to 21-07-2020
Dr.P.J.Joslin	Outcome Based Education	School of Arts, Science, Commerce and IQAC , Rai University , Ahmedabad	22-07-2020 to 24-07-2020
Dr.P.J.Joslin	Translational and Interdisciplinary Research in human diseases Management	Sathyabama Institute of Science and Technology	24-07-2020 to 30-07-2020
Dr.P.J.Joslin	Innovative chemistry concepts & Technologies about Covid - 19 Vaccines	Department of Chemistry, A.P.C . Mahalakshmi College for women Thoothukudi	13-03-2021
Dr.P.J.Joslin	Computational Biology	PG and Research Department of Zoology, St. Mary's College (Autonomous), Thoothukudi In collaboration with Department of Zoology, Rani Anna Government College for Women, Tirunelveli, Tamil Nadu, India	6-05-2021 to 11-05-2021 - 6 days
Dr.P.J.Joslin	Lab on Chip and Lab on Paper	Sri G.V.G. Visalakshi College for Women, Udumalpet	10-05-2021 to 11-05-

			2021 - 2days
Dr.P.J.Joslin	Pedagogy and Research Methods	Human Resource Development Centre and Internal Quality Assurance Cell, AMET University	24-05-2021 to 6-05-2021 - 14 days
Dr.P.J.Joslin	Graphics Design for Teachers	Marian star centre, St. Mary's Colleg (Autonomous)Thoothukudi	26-05-2021 to 31-05-2021 - 6 days
Dr.S.Mary Baptista Janet	Inclusive Procedures and Processes in Assesment and Accreditation by NAAC	IQAC, St.Joseph's College[Autonomous], Tiruchirappalli	30-06-2020-4-07-2020 - 5 days
Dr.S.Mary Baptista Janet	Post-COVID and Higher Education	IQAC, Kamaltai Jamkar Mahila Mahavidyalaya, Parbhani	19-04-2021 - 26-04-2021 - 7 days
Dr.S.Mary Baptista Janet	Research Methodology	Kamla Nehru Mahavidyalaya, Nagpur	26-04-2021- 01-05-2021 - 7 days
Dr.S.Mary Baptista Janet	Computational Biology	PG and Research Department of Zoology, St.Mary's College (Autonomous), Thoothukudi & RaniAnnaGovernment College for Women, Tirunelveli	06-05-2021-11-05-2021 - 6 days
Dr.S.Mary Baptista Janet	Pedagogy and Research Methods	HRDC and IQAC, AMET Deemed to be University, Chennai	24-05-2021- 06-06-2021 - 14 days
Dr.S.Mary Baptista Janet	Graphics Design for Teachers	Marian Star Center, St. Mary's College (Autonomous), Thoothukudi	26-05-2021- 31-05-2021 - 6 days
Dr.Sr.C.Shibana	Innovative Chemistry Concepts & Technologies About Covid-19 Vaccines	Department of Chemistry, A.P.C. Mahalaxmi College For Women, Thoothukudi.	12-03-2021 to 13-03-2021 - 2 days
Dr.Sr.C.Shibana	Computational Biology"	DBT and Zoology St.Mary's College(Autonomous) Thoothukudi and Rani Anna College, Trinelvei	06-05-2021-11-05-2021 - 6 days
Dr.Sr.C.Shibana	Teaching Redefined for Gen Z'	Department of Educational PsychologyTamil Nadu Teachers Education University,	17-05-2021-23-

		Chennai & Internal Quality Assurance Cell, Stella Matutina College of Education (Autonomous), Chennai	05-2021 - 7 days
Dr.Sr.C.Shibana	Graphics Design	DBT,St.Mary's College(Autonomous)Thoothukudi	26-05-2021-30-05-2021 - 5 days
Dr. Jemma Hermelin Jesy Diaz	Invisible Scholars: Students with learning Disabilities & Identification of Students with Learning Disabilities	IQAC, St.Mary's College (Autonomous), Thoothukudi	02-06-2020
Dr. Jemma Hermelin Jesy Diaz	Open Educational Resources	Tamil Nadu Open University in Collaboration with Annammal College of Education For Women, Thoothukudi	03-06-2020 & 04-06-2020
Dr. Jemma Hermelin Jesy Diaz	Transforming Education – The Google Classroom Way	Aachi Institute of Management & Entrepreneurial Development, Chennai	01-06-2020 to 07-06-2020
Dr. Jemma Hermelin Jesy Diaz	A Perspective of Emerging Advances in Life Sciences	PG and Research Department of Zoology, Ethiraj College for Women, Chennai	27-07-2020 to 29-07-2020
Dr. Jemma Hermelin Jesy Diaz	Microbes as Biopreservatives	V.V.Vanniaperumal College for Women (Autonomous), Virudhunagar	18-03-2021
Dr. Jemma Hermelin Jesy Diaz	Post Covid and Higher Education	Nutan Vidya Mandir Education Society's Late Sow. Kamaltai Jamkar Mahila Mahavidyalaya, Parbhani,	19-04- 2021 to 26 -04-2021 - 8 days
Dr. Jemma Hermelin Jesy Diaz	Research Methodology	Amar Sewa Mandal's Kamla Nehru Mahavidyalaya, Nagpur.	26-04-2021 to 01-05-2021 - 6 days
Dr. Jemma Hermelin Jesy Diaz	Research Methodology and IPR	G.H. Rasoni College of Arts, commerce and Science, Wagholi, Pune	26-04-2021 to 01-05-2021 - 6 days
Dr.S.R.T. Sherly Cross	Invisible Scholars: Students with Learning Disabilities and Identification of Students with	IQAC, St.Mary's College, Thoothukudi	02-06-2020

	Learning Disabilities		
Dr.S.R.T. Sherly Cross	E-Content Making	Servite Arts and Science College for Women, T.Idaiyapatty, Thogaimalai, Karur.	22-06-2020 to 26-06-2020 - 5 days
Dr.S.R.T. Sherly Cross	ICT Tools for online teaching	St.Mary's College, Thoothukudi	07-09-2020 – 11-09-2020 - 5 days
Dr.S.R.T. Sherly Cross	Thesis Writing	LIBA & Assumption University, Thailand	21-04-2021
Dr. S. Selvi	Invisible Scholars: Students with Learning Disabilities & Identification of Students with Learning Disabilities	IQAC, St. Mary's College (Autonomous), Thoothukudi	02-06-2020
Dr. S. Selvi	E-Content Creation and Online Learning Management System	Department of Computer Science, Mary Matha College of Arts and Science, Periyakulam East, Theni District.	16-06- 2020 to 20-06-2020
Dr. S. Selvi	Outcome Based Education	School of Arts, Science and Commerce and IQAC, Raj University, Ahmedabad, Gujarat - India	22-07-2020 to 24-07-2020
Dr. S. Selvi	Computational Biology	Department of Zoology, St. Mary's College (Autonomous), Thoothukudi in collaboration with Department of Zoology, Rani Anna Government College for Women, Tirunelveli.	6-05-2021 to 11-05-2021 - 6 days
Dr. S. Selvi	Lab on Chip and Lab on Paper	Department of Zoology, Sri G.V.G. Visalakshi College for Women, Udumalpet, Tamil Nadu, India	10-05-2021 to 11-05-2021 - 2 days
Dr. S. Selvi	Pedagogy and Research Methods	Human Resource Development Centre and Internal Quality Assurance Cell, AMET University	24-05-2021 to 06-06-2021 - 2 weeks
Dr.M.Paripoora naselvi	Transforming Education – Google Classroom Way	Aachi Institute of Management & Entrepreneurial Development	1 to 7-06-2020 - 7 days
Dr.M.Paripoora naselvi	Invisible Scholars: Students with Learning	Internal Quality Assurance Cell, St. Mary's College (Autonomous), Thoothukudi	02-06-2020

	Disabilities & Identification of Students with Learning Disabilities		
Dr.M.Paripoora naselvi	Modern Teaching, Evaluation and Research Methods	under UGC Scheme, STRIDE component -1 (Research Capacity Building) organized by Vinayakrao Patil Mahavidyalya, Vaijapur, Aurangabad	2 to 7-06-2020 - 1 week
Dr.M.Paripoora naselvi	E-Learning Resource Creation- A Beginning Towards New Era of E-Learning	Department of Computer Science and Engineering, D Y Patil College of Engineering and Technology, Kolhapur	8 to 20-06-2020 - 2 weeks
Dr.M.Paripoora naselvi	E- Content Development	Department of Computer Science and Engineering, St. Joseph's Institute of Technology, Trichy	16-06-2020
Dr.M.Paripoora naselvi	Redefining Teaching Learning with the Integration of ICT	Internal Quality Assurance Cell of Holy Cross College (Autonomous), Nagercoil	1 to 8-07-2020 - 7 days
Dr.M.Paripoora naselvi	Online Faculty Induction Program	IQAC of Jagadamba Mahavidyalaya, Achalpur city	15 to 19-07-2020 - 1 week
Dr.M.Paripoora naselvi	E-Contents and ICT Tools for Innovative and Effective Teaching	KS Jain Institute of Engineering and Technology, Modinagar, Ghaziabad	15 to 21-07-2020 - 1 week
Dr.M.Paripoora naselvi	Outcome Based Education	School of Arts, Science and Commerce and IQAC, Raj University, Ahmedabad, Gujarat - India	22 to 24-07-2020 - 3 days
Dr.M.Paripoora naselvi	Innovative Chemistry Concepts & Technologies About Covid-19 Vaccines	Department of Chemistry, A.P.C. Mahalaxmi College For Women, Thoothukudi.	12-03-2021 to 13-03-2021 - 2 days
Dr.M.Paripoora naselvi	Computational Biology	PG and Research Department of Zoology, St. Mary's College (Autonomous), Thoothukudi In collaboration with Department of Zoology, Rani Anna Government College for Women, Tirunelveli, Tamil Nadu, India	06-05-2021 to 11-05-2021 - 6 days

Dr.M.Paripoora naselvi	Pedagogy and Research Methods	Human Resource Development Centre and Internal Quality Assurance Cell, AMET University	24-05-2021 to 06-06- 2021 - 2 weeks
Dr.P.Subavathy	Moodle Learning Management System Training	Gandhigram Rural Institute, Dindigul with course material provided by the Spoken Tutorial Project, IIT Bombay funded by the National Mission on Education through ICT, MHRD, Govt. of India	1-06-2020 – 5-06-2020 - 5 days
Dr.P.Subavathy	COVID-19: Facing Challenges with Optimism	PG and Research Department of Historical Studies, Quaid-E-Millath Government College for Women, Chennai	8-06-2020 - 12-06-2020 - 5 days
Dr.P.Subavathy	Research Capacity Building	UGC Scheme, STRIDE Component – 1,V.O.Chidambaram College, Thoothukudi	15-06-2020 - 17-06- 2020 - 3 days
Dr.P.Subavathy	Ornamental Fish Culture and Breeding	Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai	15-06-2020 - 19-06- 2020 - 5 days
Dr.P.Subavathy	Earth and Environment Responses During Covid- 19	Department of Environmental Sciences, Savitribai Phule Pune University, Pune under MHRD'S Faculty Development Centre (PMMMNMST), UGC – HRDC, Pune.	11-07-2020 - 17-07- 2020 - 1 week
Dr.P.Subavathy	Digital Technology for Teaching of Life Sciences and Humanities	PG and Research Department of Zoology, Dr.Ambedkar Government Arts College (Autonomous) Vysarpadi, Chennai in collaboration with the Indian Science Congress Association	21-07-2020 – 25-07- 2020 - 5 days
Dr.P.Subavathy	Effective Use of ICT and E- Content Development	Department of Science and Humanities, Atmiya University, Rajkot, Gujarat	23-07-2020 – 25-07- 2020 - 3 days
Dr.P.Subavathy	Application of Molecular Techniques in Biomedical Research	RUSA 2.0 – Entrepreneurship and Career Hub, University of Madras, Chennai	29-07-2020 - 31-07- 2020 - 3 days
Dr.P.Subavathy	Sustaining Academics : The Role of Teachers in Tackling Post COVID-19	Mother Theresa College of Engineering and Technology, Peddapalli	04-08-2020 -05-08- 2020 - 2 days

Dr.P.Subavathy	Online Teaching and Learning Tools	PG and Department of Chemistry and Computer Science, St. Mary's College (Autonomous), Thoothukudi	06-11-2020- 08-11-2020 - 3 days
Dr.P.Subavathy	Microbes as Biopreservatives	V.V.Vanniaperumal College for Women (Autonomous), Virudhunagar	18-03-2021
Dr.P.Subavathy	Innovative Chemistry Concepts & Technologies About Covid-19 Vaccines	Department of Chemistry, A.P.C. Mahalaxmi College For Women, Thoothukudi.	12-03-2021 to 13-03-2021 - 2 days
Dr.P.Subavathy	Research and Publication Ethics	School of Education, Central University of South Bihar, Gaya, Bihar, India under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) Scheme of Ministry of Education, Govt. of India	15-03-2021 to 22-03-2021 - 8 days
Dr.P.Subavathy	Post-Covid and Higher Education	Nutan Vidya Mandir Education Society's, Late Sow. Kamaltai Jamkar Mahila Mahavidyalaya, Parbhani	19-04-2021 to 26-04-2021 - 7 days
Dr.P.Subavathy	Research Methodology	Amar Sewa Mandal's Kamala Nehru Mahavidyalaya, Nagpur	26-04-2021 to 01-05-2021 - 1 week
Dr.P.Subavathy	Computational Biology	PG and Research Department of Zoology, St.Mary's College (Autonomous), Thoothukudi & RaniAnnaGovernment College for Women, Tirunelveli	06-05-2021 to 11-05-2021 - 6 days
Dr.P.Subavathy	Pedagogy and Research Methods	Human Resource Development Centre and Internal Quality Assurance Cell, AMET University	24-05-2021 to 06-06-2021 - 2 weeks
Dr.P.Subavathy	Lab on Chip and Lab on Paper	Department of Zoology, Sri G.V.G. Visalakshi College for Women, Udumalpet, Tamil Nadu, India	10-05-2021 to 11-05-2021 - 2 days
Dr.P.Subavathy	Graphics Design for Teachers	Marian Star Center, St. Mary's College (Autonomous), Thoothukudi	26-05-2021 to 31-05-2021 - 6 days

Online Courses attended by the following faculty members

Dr. Jemma Hermelin Jesy Diaz

- Coursera – Epidemics – The Dynamics of Infectious Diseases authorized by The Pennsylvania State University.
- NPTEL Online Course – Animal Physiology by Indian Institute of Technology Kanpur.

Dr.P. Subavathy

- Completed “Epidemics, Pandemics and Outbreaks” an online non-credit course authorized by University of Pittsburgh and offered through Coursera on 04.06.2020.
- Completed “Disease Clusters” an online non-credit course authorized by Johns Hopkins University and offered through Coursera on 16.11.2020.
- Completed “The Science of Success: What Researchers Know that You Should Know” an online non-credit course authorized by University of Michigan and offered through Coursera on 31.01.2021.

Dr. M. Paripooranaselvi

- Passed Plastic Waste Management on the SWAYAM platform during the Jan-Apr 2020.

Honours and Awards

- Dr.Sr.C.Shibana has been conferred with COVID-19 Achievement Award 2020 by Tamilnadu Commission for welfare of the differently abled and Red Cross Society.

E-Content

- Dr. Jemma Hermelin Jesy Diaz has prepared an e-content on the topic **Placenta in Mammals**.

RESEARCH DETAILS

Doctoral Committee Meeting:

- P.Kanthimathi under the guidance of Dr.P.J.Joslin completed her DC meeting on 11.11.2020.

Ph.D Awardess:

Name	Title of the Thesis	Register No. and date of Commencem ent	Category	Completed
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	03.08.2020
Bhavani Saraswathy	Probing the pharmacological feasibility of marine Gastropod <i>Phalium glaucum</i>	11920 24.06.2015	Full Time	01.10.2020

CDP

Hands on Training on Healthy Cooking

As a part of Community Development Program 'Hands-on training on Healthy cooking' was conducted by the Zoology Department, St. Mary's College (Autonomous), Thoothukudi at Pazhayakayal village of Thoothukudi District on 5.03.2021. The students of the department of zoology gave training for preparation of many healthy food items with simple recipe. Around 120 women and children of the Pazhayakayal village attended the workshop and got trained. The people were given hands on training for preparation of many healthy and delicious food items like fish pickle, milk shakes, puddings, sandwiches, carrot ladoo, fish cutlet etc.



Covid-19 Second Wave Awareness Program and Banner Installation

As a part of Community Development Program Covid 19 awareness program was conducted by the Zoology Department, St. Mary's College (Autonomous), Thoothukudi at Pazhayakayal village of Thoothukudi District on 26.04.2021. Dr. S. Selvi, Assistant Professor in Zoology gave the awareness on Covid – 19 II wave. Around 80 women and children of the Pazhayakayal village attended the program. Covid-19 second wave awareness - banner was installed in the adopted campus.



FIELD VISIT

- On 08th March 2021, 18 II B.Sc Zoology students accompanied by two staff members Dr.S.R.T Sherly Cross and Dr.P.Subavathy visited organic manure production unit at three places of Thoothukudi district. They visited Thoothukudi Corporation north zone micro manure units at Perumalpuram, George Road and near Sankaraperi.
- Our students learnt the various processes involved in domestic waste separation and conversion of garbage into organic manure. They also gained deep insight into the area of waste management.



Students Achievements

- J.K.Chandrarahini, V.Jenifer, S.Muthumari, T.Veera Santhiya and P.Vincy Rebekka of III B.Sc Zoology presented a paper entitled “*In-Vitro* Antioxidant Activity of *Phallusia nigra* and *Didemnum psammathodes*” and secured first prize in the National Webinar on Technological Advances in Science organized by Marian Star Centre, School of physical science St. Mary's College(Autonomous), Thoothukudi on 17.04.2021.
- B. Saravana Anitha of III B.Sc Zoology participated in the Short Term Course on Graphics Design and won first prize with cash award of Rs.500 /- organized by Marian Star Centre, St. Mary's College (Autonomous), Thoothukudi on 22.05.2021.

Sports

- Ms.M.Jenovin of II B.Sc Zoology secured third prize in Intercollegiate Championship in weight lifting held at T.D.M.N.S College, Kallikulam from 27.03.2021 to 28.03.2021.

NCC

- Ms. J. Lisha of I B.Sc Zoology attended NCC – Firing Camp held at St. Johns Higher Secondary School, Palayamkottai on 14.03.2021.

MOOC

- 9 students I M.Sc Zoology attended the MOOC course on Wildlife Ecology and 7 students secured national level rank.

Projects

- 39 students from the III-year have completed 8 projects and 9 students have completed II PG projects demonstrating their research and problem-solving skills. 10 I PG students have completed 3 group field projects experiencing practical realities and gaining experience in participative and empathetic action.

Pass Percentage

- The pass percentage of the B.Sc Zoology is 94.87% and M.Sc Zoology is 100%.

Higher Education

- 13 students have joined higher education among them 7 students have progressed to pursue PG degree, 1 from UG to B.Ed, 1 from UG to MP.Ed and 4 from PG to B.Ed.

Placement

- In the year 2020-2021, 4 B.Sc and 1 M.Sc student have got placed in various reputed companies.