

# **“CHIRPS”**

# **ANNUAL NEWSLETTER**

**2019 - 2020**



## **DEPARTMENT OF ZOOLOGY**

**HOLY CROSS COLLEGE (AUTONOMOUS),  
NAGERCOIL.**

**RE-ACCREDITED WITH 'A+' GRADE (CGPA: 3.35) BY NAAC (IV CYCLE)**



**VOLUME: 5**

**APRIL 2020**

## *From the Principal's Desk.....*



Greetings to all!

It gives immense pleasure that the Department of Zoology is releasing the fifth issue of the Newsletter "CHIRPS". A Newsletter is like a mirror which reflects the clear picture of all activities undertaken by the Department. I am glad that a number of Curricular, Co-curricular and Extra-curricular activities have been organised by the Department during the Academic year 2019-2020. It is a great pride that the Zoology department has channelized spirit of students towards creative and productive goals through an unfettered knowledge and all the activities published in this newsletter depicts the milestones crossed by the department. Innovation in educational system, multidimensional activities and spirit of nation building are echoed in this newsletter.

**"Optimism is the faith that leads to achievement; nothing can be done without hope and confidence". - Helen Keller**

I am proud of the dedication of the Teaching Faculty and Support Staff who worked tirelessly towards the Holistic development of young minds. I commend the editorial team for all the effort put forth in meticulously showcasing all the activities through this News Letter.

My Good wishes to each one of you!

Happy Reading!!

*Sr. Anne Perpet Sophy*

**Dr. Sr. Anne Perpet Sophy**

## *Foreword from the Head of the Department*



*“If four things are followed - having a great aim, acquiring knowledge, hard work and perseverance - then anything can be achieved”.* A. P. J. Abdul Kalam

The Department of Zoology is happy to release the fifth issue of its Annual Newsletter “CHIRPS”, which spotlights the multifaceted activities and events, carried out in the Department of Zoology during the academic year 2019 – 2020. Best wishes to all the friends who receive this Newsletter. This newsletter is a dynamic piece of work that has kindled young minds to achieve, improve and grow. We worked with the vision “Empower the students with Academic skills, Research aptitude and Social commitment through holistic education”. It has been an interesting and busy year for the members of the Department.

This internal newsletter disseminates the goals set and the achievements of the Department. This academic year bubbled with enthusiastic activities by the students and faculty in academic, co-curricular, extra-curricular as well as research & development. As you read through the pages you will realize, that the Department had a successful year, in organizing International Conference, Webinar, National Workshop, Student Forum, Endowment lectures, Association meetings, Research colloquium, Book reviews, Value added courses, Field and Industrial visits, World wildlife day Celebration “Chirps-2019”, Hands on training on Silkworm cocoon production, Vermicompost preparation, Ornamental fish culture, Maintenance of Apiary, Mulberry garden, Herbal garden, MoU with Raja’s Pharmacy College Vadakankulam, four Ph.D. viva-voce examinations, 14<sup>th</sup> Board of Studies meeting along with NAAC peer team visit. The Department of Zoology has recorded consistent improvement in its Academic, Research and Societal activities.

At the outset, I would like to thank the management and the students who have given exemplary support and contributions for the growth of the department. I would like to thank all my colleagues for their tireless efforts in helping the department progress at a very steady pace. I am proud to record that my colleagues are working at various capacities like Controller of Examinations, Dean of Science, NSS Programme Officer, Coordinators of Institution Innovation Cell, Centre for Environmental Studies, Crossian Centre for Documentation etc.

I appreciate and congratulate the Editors and Editorial Team for their hard work and effort in preparing the fifth issue of the Department Newsletter, “CHIRPS”! I wish all success as we march ahead into the future and I pray that the good Lord Almighty bless the department and all its endeavours.

*“Let us sacrifice our today so that our children can have a better tomorrow.”*

A. P. J. Abdul Kalam

*S. Mary Mettilda Bai*

**Dr. S. Mary Mettilda Bai**

## ABOUT THE DEPARTMENT

The Department of Zoology is a renowned centre for learning, research and extension activities. The Department of Zoology established in 1966 was raised to a P.G. Department in 1979, Research Department in the year 2000 and became full-fledged with the introduction of M.Phil. in 2009. An UGC sponsored 'UG Vocational Sericulture' and innovative 'M. Sc. Biomedical Sciences' Program was established in 1999 and 2006 respectively. The department has a well-equipped DST - FIST sponsored laboratory. It has taken a lead role in educating young girls from the economically and socially disadvantage sectors and empowering them to become academicians, scientists and entrepreneurs. The thrust areas of research are Immunology, Crustacean Physiology, Endocrinology, Integrated Pest Management, Radiation Biology, Environmental Biology and Molecular Taxonomy. From the day of inception, the department has strived to promote academic skills, research aptitude and societal commitment among the stakeholders.

## NAAC PEER TEAM VISIT



# TEACHING STAFF



**First Row:** Dr. C. Josephine Priyatharshini, Dr. C. Anitha, Dr. P.T. Arokya Glory, Dr. X. Venci Candida, Dr. A. Punitha

**Second Row:** Dr. Jeni Chandar Padua, Dr. A. Shyla Suganthi, Dr. S. Mary Mettilda Bai, Dr. J. Vinoliya Josephine Mary, Dr. F. Brisca Renuga, and Dr. S. Prakash Shoba

# NON-TEACHING STAFF



Mrs. K. Mary  
Rita Lumina



Mr. M. Jhonson  
Paul Raj



Mr. F. Melgias



Mrs. G. Kodimalar

# ACTIVITIES OF THE DEPARTMENT

## Welcoming the Freshers:

The III & II UG students welcomed the I UG students on 17.06.2019 and the II PG students welcomed the I PG and the M.Phil scholar on 01.07.2019. The newly enrolled research scholars were welcomed to explore new avenues in their area of research.



## Event of the year:

Memorandum of Understanding (MoU) was signed with Raja's Pharmacy College, Vadakankulam on 01.02.2020. As a part of the MoU, steps were taken to get ethical clearance for using animals for research.



## Department Library

The department library was shifted to a new location on 01.07.2019 and students started using library frequently. Around 900 books including academic books, journals and thesis are available for their reference.



## Book Review

**Ms. J. Asibha Shibani** of I M.Sc. Zoology and **Ms. R. Tony Lesline** of III B.Sc. Zoology presented their book review on 03.10.2019 and **Ms. K.P. Aswathy Gopika** and **Ms. K.S. Sony** of III B.Sc. Zoology on 02.03.2020. Four books were reviewed and it was of much benefit to both staff and students.



# CONFERENCE/ WORKSHOP/ WEBINAR

## International Conference

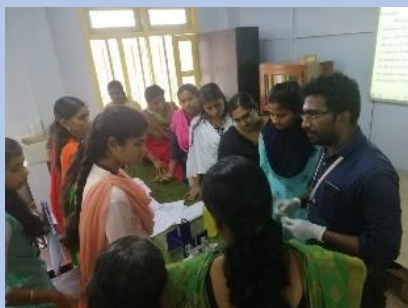
The 1<sup>st</sup> International conference on “Recent Advancements of Biomolecule Inventions - 2019” was organized on 26.07.2019 and 27.07.2019 in collaboration with Foundation for Innovative Research in Science & Technology (FIRST). **Dr. Sreeramanan**, Universiti Sains, Malaysia, **Dr. ONG Ming Thong**, Universiti Sains, Malaysia, **Prof. K. Marimuthu**, AIMST Universiti, Malaysia, **Dr. S. Karthikeyan**, Vellore Institute of Technology, Vellore and **Dr. C. Ravi**, Thiyagarajar College, Madurai were the resource persons.

60 participants presented their research papers and had discussions with the chair persons. Scholars, faculty and students from various colleges were benefited. Best paper awards were distributed to the best work and presentations. **Dr. J. Vinoliya Josephine Mary**, **Dr. S. Prakash Shoba** & Mrs. S. Shanthini (FIRST) were the organising secretaries.



## National workshop

National workshop on “**Biological Techniques**” was organised on 20.12.2019 in collaboration with Biomeitz Research and Development Pvt. Ltd. Staff and students from various colleges benefited from this workshop by learning the techniques used in Biological Research. **Dr. John Bernet Johnson**, Scientist C, Rajiv Gandhi centre for Biotechnology, Thiruvananthapuram & **Dr. Ariharan, V. N**, Chief Executive Officer, Biomeitz Research and Development Pvt. Ltd., Nagercoil were the resource persons. The organising secretaries of this were **Dr. Vinoliya Josephine Mary** and **Dr. S. Prakash Shoba**.



## “Chirps-2019”

To commemorate World Wildlife Week and to create awareness on conservation of wildlife “Chirps-2019” was celebrated on 12.12.2019. Intra departmental competitions were held on the topic “Life beneath water” and prizes were distributed to the prize winners. Exhibition on “Life Beneath Water” was organised and the students from adopted school, Government Middle School, Thamathukonam were the special invitee. **Dr. X. Venci Candida** and **Dr. F. Brisca Renuga** organised the programme.



## Webinar

Webinar on “Biology – The perfect amalgamation of Physics, Chemistry and Mathematics” was organised on 01.10.2019. The resource person was **Mr. Nikhil Hajirnis**, CSIR – Centre for Cellular and Molecular Biology, Hyderabad.



## Research Colloquium

A Research Colloquium was organized on 2.09.2019. **Dr. M. Jayalakshmi**, Dept. of Immunology, School of Biological Sciences, Madurai Kamaraj University served as the resource person. Research scholars got a clear idea about writing the thesis and how to publish papers in relevant journals.



## Endowment Lectures

An Endowment Lecture on “Resources, Health benefits and therapeutic potentials of seaweeds” was given by **Dr. G. Immanuel**, Director, CMST, Rajakkamangalam on 03.10.2019. An Endowment lecture on “Small Mammal Biodiversity & Conservation Research in Tamilnadu” was delivered by **Dr. R. Brawin Kumar**, SERB National Post-Doctoral Fellow (Govt. of India), School of Biology, Indian Institute of Science Education and Research, Tirupathi on 24.01.2020.





# ACADEMIC ACTIVITIES

## Board of Studies

Fourteenth Zoology Board of Studies meeting (ZOOL/BOS/2019-20/14) was held on 21.01.2020. Dr. K. Sahaya Raj, Associate Professor of Zoology, St. Xavier's College, Palayamkottai (Subject expert), Dr. S. Mary Baptista Janet, Associate Professor of Zoology, St. Mary's College, Tuticorin (Alumina), Dr. V. Robin Perinba Smith, Asst. Professor of Zoology, Scott Christian College, Nagercoil (Subject expert), Dr. Ariharan, V. N, Chief Executive Officer, Biomeitz Research and Development Pvt. Ltd., Nagercoil (Industrialist) and Dr.S.P. Sevarkodiyone, Associate Professor of Zoology, Ayya Nadar Janaki Ammal College, Sivakasi (University nominee) were the external members.



## Value Added Courses

Value added courses on First Aid, Household Waste Management, Eco-friendly Products from Sericultural Wastes and Techniques in Biology were conducted during this academic year.



## Evaluation through online platforms

(Quizziz)

Google classroom



Sl. No.	Name	Score	Percentage	Rank
1	ABHIRAM	100	100%	1
2	ADARSH	100	100%	2
3	ADITHYAN	100	100%	3
4	ADITHYAN	100	100%	4
5	ADITHYAN	100	100%	5
6	ADITHYAN	100	100%	6
7	ADITHYAN	100	100%	7
8	ADITHYAN	100	100%	8
9	ADITHYAN	100	100%	9
10	ADITHYAN	100	100%	10



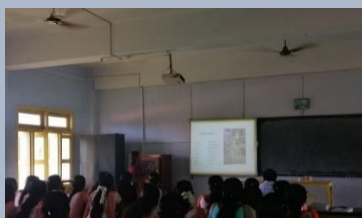
## Student's administrative day

Students engage themselves in peer group teaching and learning.



## M. Phil viva voce examination on 11.07.2019

Dr. G. D. Biji, Associate Professor and HoD, Department of Zoology, Nesamony Memorial Christian College, Marthandam was the external examiner.



# EXPERIENTIAL LEARNING

## Apiculture

The II PG students got hands on training on Apiculture on 04.07.2019 at YMCA, Marthandam. Following the training, they re-established Apiary in our college campus on 09.07.2019 under the guidance of **Dr. A. Shyla Suganthi**, Asst. Prof. Dept of Zoology.



## Vermicomposting

About 90 Kgs of vermicompost was harvested by the students of III B. Sc. Zoology. **Dr. C. Josephine Priyatharshini** and **Dr. C. Anitha** gave hands on training to the students as a part of their Skill Based course "Vermitechnology".



## Sericulture

The III B.Sc. students got hands on training on rearing silkworm and cocoon production. **Dr. S. Mary Mettilda Bai** and **Dr. F. Brisca Renuga** gave hands on training to the students as a part of their Elective course "Sericulture".



## Moriculture

Students of I B.Sc. Zoology practiced Moriculture under the guidance of **Dr. X. Venci Candida** and **Dr. S. Prakash Shoba** which paved way for the sericulture.



# ALUMNI MEET

2017- 2019 (PG) batch students shared their views about their career in the alumni meet on 07.09.2019.



Alumni meet (2017-2019 PG batch) and (2016-2019 UG batch) was held on 14.12.2019



Alumni meet on 21.01.2020.



# FIELD VISIT

**Dr. S. Prakash Shoba** and **Dr. X. Venci Candida** took the students of II B.Sc. Zoology to Athikaatu villai fishing net company. Students got awareness on how fishing nets are produced.



III B.Sc. students had a study tour to Bangalore & Mysore (28.09.2019 – 01.10.2019). **Dr. A. Punitha, Dr. C. Anitha** and **Mrs. Kodimalar** accompanied them.



III B.Sc. Tour - Bangalore, Mysore

Students of I B.Sc. Zoology were taken to a Study Trip to areas of Zoological Importance such as Athmanilayam, Cheruvarkonam, Marine Aquarium Vizhinjam, and Zoological Park Thiruvananthapuram on 07.02.2020. **Dr. X. Venci Candida, Dr. C. Anitha, Dr. S. Prakash Shoba** and **Mr. Paul Raj** accompanied them.



**Dr. P. T. Arokya Glory** and **Dr. X. Venci Candida** and **Mr. Melgias** took the students of I M.Sc. to Dr. J. Jayalalitha Fisheries University, Nagercoil for an Industrial visit as a part of their course "Culture and capture Fisheries". **Dr. Jeevitha** of Dr. J. Jayalalitha Fisheries University, Nagercoil explained "Culture of ornamental fishes".



**Dr. S. Mary Mettilda Bai, Dr. S. Prakash Shoba & Mr. Melgias** took the students of III B.Sc. to Konam Sericulture Technical Centre on 3.10.2019.



II M.Sc. students visited Chinnakulam Pond with **Dr. Jeni Chandar Padua & Mrs. Mary** for the Ecobiology practicals.



Field Visit cum Industrial Visit was undertaken by the III B.Sc. Students on 14.02.2020. They visited Koonthankulam Bird's Sanctuary, Abisekapatti Livestock Farm and Thenkasi Sericulture Centre. **Dr. C. Anitha, Dr. S. Mary Mettilda Bai, Mrs. Mary** and **Mr. Melgias** accompanied the students.



Lab visit: I M.Sc Students visited Inbiotics & Indian MRI Scan on 12.03.2020 along with **Dr. J. Vinoliya Josephine Mary & Mr. Paul Raj**.



# EXTENSION ACTIVITIES

## RUN (Reaching the Unreached Neighbourhood)

A survey on community issues that needs to be addressed was conducted in Athikkaattuvilai village and the students of II UG collected the information. The RUN staff in charges **Dr. S. Prakash Shoba** and **Dr. X. Venci Candida**, Asst. Professors, Department of Zoology accompanied the students on 20.07.2019. An awareness rally on dengue and plastic was given to the people of A. D. Colony, Athikkattuvillai on 17.08.2019. People disposed off the water containing mosquito larvae after giving awareness. A demo on “Preparing organic manure from kitchen waste” was given to the people of A.D. Colony. The children of the village participated actively and the villagers were ready to prepare the organic manure. An Awareness Rally on “Social problems faced by women” was organized on 29.02.2020.



## UBA (Unnath Bharath Abhiyaan)

Students collected data from 80 houses of Keezhakaattuvillai and were aware of the problems of the village people in their day to day life on 07.12.2019. Bio-compost preparation was demonstrated by our students and they helped the villagers to clean the church premises on 25.01.2020.

**Dr. S. Prakash Shoba** and **Dr. X. Venci Candida** organized an awareness programme on “Renewable Resources” to the people of Keezhakaattuvillai along with the students of II B.Sc. Zoology. Around 85 villagers participated in various programmes performed by the students on 29<sup>th</sup> Feb. 2020.



## Lab to Land

Lab to land programme: **Dr. C. Josephine Priyatharshini** and **Dr. C. Anitha** explained the procedure of Solid waste recycling through Vermitechnology to students.



# ZOOLOGY ASSOCIATION

**Staff in-charge: Dr. F. Brisca Renuga**

## **Office Bearers**

President : Ms. K.P. Aswathy Gopika (III B.Sc. Zoology)

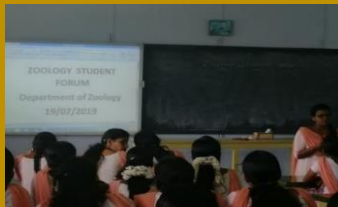
Vice President : Ms. S.K. Lylathul Aseena (II M.Sc. Zoology)

Secretary : Ms. S. Swathy (II B.Sc. Zoology)



## **Zoology Student Forum - an initiative of this Academic year**

The current affairs regarding life sciences were discussed and students got knowledge about current news of the same on 19.07.2019 and 25.07.2019. The importance of Hiroshima Day was imparted on the minds of the students by playing the videos on Hiroshima - Nagasaki incidents on 22.08.2019. Video on Animal reproduction was played to the students on 30.08.2019. Students visualized what they have learnt in their curriculum. Student Forum on "Animal life" was organized on 29.09.2019. Dengue Awareness and Distribution of Nilavembu Syrup was done on 25.10.2019.



## **Association meetings**

**Dr. Robert B. Grubh**, Orniithologist gave a talk on Bird Migration on 09.08.2019 in commemoration of Salim Ali's Day. Students understood the various factors influencing bird migration and the types of birds which migrate.



Talk on "Arthritis" was given by **Mrs. Reenu Bala**, Alumna on 22.11.2019.



An Orientation program on "Employment opportunities" was organised on 13.01.2020. **Mrs. Seethalakshmi**, M.Phil. Scholar was the resource person.



## ACHIEVEMENTS OF STAFF

### Awards received by faculty

**Dr. Jeni Chandar Padua** received “Indian Science Academies’ Research Fellowship, 2019” from “Indian Science Academies’ at CSIR- Centre for Cellular and Molecular Biology, Hyderabad”.

**Dr. Jeni Chandar Padua** was awarded “The Women Achiever Award 2020” by the Nagercoil Rotary Club on 12.03.2020.



### Refresher course Attended

**Dr. P. T. Arokya Glory** and **Dr. C. Josephine Priyatharshini** attended Refresher course in Zoology at HRDC Bharathiar University, Coimbatore, from 20.06.2019 to 03.07.2019.

### Staff at various Capacities

**Dr. F. Brisca Renuga:** Dean of Sciences  
**Dr. J. Vinoliya Josephine Mary:** Controller of Examinations  
**Dr. A. Shyla Suganthi:** President of Institution Innovation Cell  
**Dr. Jeni Chandar Padua:** Coordinator of Centre for Environmental Studies  
**Dr. C. Josephine Priyatharshini:** NSS Programme Officer

### Editors of Proceedings

**Dr. J. Vinoliya Josephine Mary** and **Dr. S. Prakash Shoba** edited and published the Proceedings of the 1<sup>st</sup> International Conference on “Recent Advancement of Biomolecule Inventions - RABI 2019”.

### Dr. A. Shyla Suganthi

Ongoing Project: SERB-DST

Gen Bank Accession: 6

### Staff as Subject experts

**Dr. F. Brisca Renuga** served as the subject expert of The Zoology Board of Studies of St. Mary’s College, Thoothukudi (08.02.2020), St. Xavier’s College, Palayamkottai (22.02.2020) and Fatima College, Madurai (28.02.2020).

**Dr. S. Mary Mettilda Bai** served as the subject expert of The Zoology Board of Studies of Ayya Nadar Janaki Ammal College, Sivakasi (28.02.2020).

### Staff completed Certificate courses

**Dr. S. Mary Mettilda Bai** had completed Online (MOOC) course on “General Sericulture” under the platform Swayam, Ministry of HRD, Govt. of India.

**Dr. F. Brisca Renuga & Dr. J. Vinoliya Josephine Mary** had completed Online (MOOC) course on “Accreditation and Outcome Based Learning” under the platform NPTEL, Ministry of HRD, Govt. of India.

**Dr. A. Punitha** had completed Certificate Course on “Mental Health Counselling” from Kottar Counseling Ministry.

## STAFF AS RESOURCE PERSON

<b>Date</b>	<b>Name of the staff</b>	<b>Title &amp; Activity</b>	<b>Organiser</b>
02.07.2019	Dr. Jeni Chandar Padua	Talk on “Together Let’s save Planet Earth” In the seminar on Environmental protection	Community Hall, Eratchakulam, RC Diocese of Kottar
08.09.2019	Dr. Jeni Chandar Padua	“Onam as a harbinger of Love and Peace” in the Onam celebrations	Rojavanam Paramedical college, Levingipuram
20.09.2019	Dr. S. Mary Mettilda Bai	Awareness talk on “Obesity” in the seminar on “ Rashtriya Pooshan Maah-2019”	NSS, Holy Cross College, Nagercoil
23.09.2019	Dr. A. Shyla Suganthi	Awareness talk on “Eating disorders” in the seminar on “ Rashtriya Pooshan Maah-2019”	NSS, Holy Cross College, Nagercoil
29.09.2019	Dr. Jeni Chandar Padua	Swachhata Hi Seva (SHS) 2019	Holy Cross College, Nagercoil Kanyakumari Municipal Corporation, SBM- District Collectorate Departments of Health and Sanitation
10.10.2019	Dr. A. Shyla Suganthi	Judge for the Elocution competition	Nehru Yuva Kendra, Govt. of India & NSS, Holy Cross College, Nagercoil
19.10.2019	Dr. Jeni Chandar Padua	Talk on “Empowerment for Community Development”	Rotary Club of Nagercoil
21.10.2019	Dr. Jeni Chandar Padua	Addressed on “Empowering and uplifting the Women of Kanyakumari District in the RISE WOMENS CHAPTER MEETING”	“THE RISE” International
29.11.2019	Dr. A. Shyla Suganthi	Evaluator in SCOPE (Specific concept oriented programme)	School Education Department Kanyakumari, SLB School
30.10.2019	Dr. A. Shyla Suganthi	Talk on “Innovation & Women Entrepreneurship”	Institution Innovation Council, Sree Ayyappa College, Chunkankadai
01.12.2019	Dr. Jeni Chandar Padua	Speech on “HE for SHE” in a solidarity movement for the advancement of gender equality and abolishing negative	Nagercoil Elite club of Rotary
29.12.2019	Dr. Jeni Chandar Padua	Kanyakumari District Marathon- 2019 – 5K run for a “Green and Clean Kanyakumari – Run to save water”	TNAA and KKDAA
06. 01.2020	Dr. S. Mary Mettilda Bai	Lecture on “The second Sex: Facts and Myths – Destiny: The Data of Biology” – Simone de Beauvoir.	Department of English, Holy Cross College, Nagercoil
20.01.2020	Dr. Jeni Chandar Padua	Talk on “Women Empowerment and Work – Life Balance” in Bank Officers’ Empowerment and Training Program	Tamilnadu Mercantile Bank, WCC Road, Nagercoil
03.02.2020	Dr. Jeni Chandar Padua	Talk on “Let’s break the glass ceiling”	YWCA, WCC Road, Nagercoil
29.02.2020	Dr. P. T. Arokya Glory	Awareness Talk on “Solid waste Management”	NSS Camp, Holy Cross College, Nagercoil at Karankadu
29.02.2020	Dr. A. Shyla Suganthi	Talk on “Health and Hygeine”	NSS Camp, Holy Cross College, Nagercoil at Karankadu
12.03.2020	Dr. Jeni Chandar Padua	Resource person for Zoology Association.	Nanjil Catholic College, Kaliakkavillai.

## NEW ENDEAVOURS

### Mass Scale Production & Sale of Vermicompost

Vermicomposting – A start up. Mass sale of vermicompost was inaugurated by Mr. Gomathinayagam, Honourable Judge, Nagercoil on 29.08.2019. Students had an extra income due to the Start up – Vermicomposting. 207 kgs of vermicompost was sold in this academic year.



### Green Initiative and Eco awareness

Green plants were grown on the corridor of the Department. Earthen Pots were kept in class rooms for drinking water facility.



### Drip Irrigation in the Mulberry Garden

Drip Irrigation system was introduced in Mulberry garden to enhance Moriculture.



## PLACEMENT

### Placement





Mrs. A. Arul Deepa and Ms. S. K. Lylathul Aseena of II M.Sc. Zoology and Ms. K. P. Aswathy Gopika and Ms. K. S. Sony of III B.Sc. Zoology – Placed in SRV Innovative Public School, Rasipuram as UG Assistant through campus interview.





# RESEARCH

## Ph.D. Awardee during 2019 -2020

<p><b>21.05.2019</b></p> <p><b>Candidate:</b> Mrs. C. Anitha</p> <p><b>Supervisor:</b> Dr. Sr. M.R. Basil Rose</p> <p><b>Title of thesis:</b> Identification, isolation, purification and characterization of a sialic acid specific lectin from a millipede.</p>	
<p><b>16.12.2019</b></p> <p><b>Candidate:</b> Mrs. T. Elayabharathi</p> <p><b>Supervisor:</b> Dr. J. Vinoliya Josephine Mary</p> <p><b>Title of thesis:</b> Isolation, characterization and biological significance of a sialic acid specific lectin from the marine crab <i>Atergatis integerrimus</i>.</p>	
<p><b>02.01.2020</b></p> <p><b>Candidate:</b> Ms. J. Raja Selvam</p> <p><b>Supervisor:</b> Dr. Sr. M.R. Basil Rose</p> <p><b>Title of thesis:</b> Serum hemagglutinins from a marine crab: isolation, purification and possible functions.</p>	
<p><b>11.03.2020</b></p> <p><b>Candidate:</b> Mrs. H.M. Sheeja</p> <p><b>Supervisor:</b> Dr. J. Vinoliya Josephine Mary</p> <p><b>Title of thesis:</b> Purification, characterization and Biological significance of lectins isolated from the coelomic fluid and egg of sea urchin <i>Stomopneustes variolaris</i>.</p>	

## ON-GOING PROJECT

**Dr. A. Shyla Suganthi:** SERB-DST Major Project on “Endocrinological approach to address optimized productivity of lobsters inhabiting coastal Kanyakumari”.  
EMR/2016/007215/AS. Amount Sanctioned: Rs. 29,622,00.00/-

# PUBLICATIONS

Papers published in Proceedings by staff and students in collaboration with other institutions

## a) Journals

Jilian V. Paul, <b>J. Vinoliya Josephine Mary</b> , S. Nightingale Sheeba, and <b>S. Mary Mettilda Bai</b>	Antimicrobial activity of coelomic fluid and coelomic fluid lectin from starfish <i>Protoreaster linckii</i> (Blainville, 1830). <i>International Journal of Scientific Research and Reviews</i> . 2019. 8(2): 01-06
Jilian V. Paul, <b>J. Vinoliya Josephine Mary</b> , S. Nightingale Sheeba, and <b>S. Mary Mettilda Bai</b>	Purification and characterization of a lectin from the coelomic fluid of the starfish, <i>Protoreaster linckii</i> (Blainville, 1830). <i>Pramana Research Journal</i> . 2019. 9(6): 684-695
Teeni Janet Raj T.G., <b>Shyla Suganthi A.</b> , Anilkumar G.	Morpho – and Molecular taxonomy of the Fresh water crab <i>Barytelphusa jacquemontii</i> . <i>Journal of Aquaculture and Fisheries</i> . 2019. 3(2): 30
Tyni Joice Raj T.G., <b>Shyla Suganthi A.</b> , Anilkumar G.	Phylogenetic studies on the spiny lobster <i>Panulirus polyphagus</i> using 16SrRNA (Crustacea: Malacostraca: Palinuridae). <i>Journal of Aquaculture and Fisheries</i> . 2019. 3(2): 31.
<b>F. Vargila, Mary Mettilda Bai, S, Vinoliya Josephine Mary, J.</b> , Citrasu. T and Ratika, R.K.	Identification and physico-chemical characterization of haemagglutinin from the hepatopancreas of the freshwater crab, <i>Ozotelphusa naga</i> . <i>J. Interdisciplinary Cycle Research</i> . 2020. II(III): 205- 217
Sameer Kumar Pati and <b>Francis Vargila</b>	A new species of the freshwater crab Genus <i>Oziothelphusa</i> , Muller, 1887 from Tamil Nadu, India. <i>SPIXIANA</i> . 2019. 42(2): 203-216.

## Proceedings

<b>Venci Candida, X., Prakash Shoba, S.,</b> Shenkani, K. and BenritVimal, J . Similarity Co-efficient of Arthropod community in transgenic and non- transgenic cotton fields. International Conference on “Recent Advancement of Biomolecule Inventions – RABI 2019”. 26 & 27 July, 2019. Pg. No. 36
R. Regis Freeda, Dr. C. Albert and <b>Jeni Chandar Padua</b> . Collection and identification of macro-parasites of <i>Cybiomcommersonii</i> and <i>Tuna</i> of Rajakkamangalamthurai coast, Kanyakumari district. “Recent Advancement of Biomolecule Inventions - RABI 2019”. 26 & 27 July 2019. Pg. No: 42
P.C. Jeba Preethi Jansi, S. Jesily and <b>Jeni Chander Padua</b> . Heavy metal concentration in water, sediment, shrimp ( <i>Penaeus indicus</i> ) and grouper fish ( <i>Epinephelus coides</i> ) from Tuticorin coast. “Recent Advancement of Biomolecule Inventions - RABI 2019”. 26 & 27 July, 2019. Pg. No.57
Teeni Janet Raj T.G., <b>Shyla Suganthi A.</b> , Anilkumar G. Morpho – and Molecular taxonomy of the Fresh water crab <i>Parytelphusa jacquemontii</i> . Aquaculture and Fisheries/ Journal of Aquaculture and Fisheries. 11- 12 November, 2019. Pg. No: 30
Tyni Joice Raj T.G., <b>Shyla Suganthi A.</b> , Anilkumar G. Phylogenetic studies on the spiny lobster <i>Panulirus polyphagus</i> using 16SrRNA (Crustacea: Malacostraca: Palinuridae). Aquaculture and Fisheries/ Journal of Aquaculture and Fisheries. 11- 12 November, 2019. Pg. No: 31
<b>Serine Michael, M and Alrich Michael.</b> M. A study on isolation and characterization of antimicrobial compounds from microalgae. “Recent Advancement of Biomolecule Inventions – RABI 2019”. 26 & 27 July 2019. Pg. No: 63-64
Jilian V. Paul, <b>J. Vinoliya Josephine Mary</b> , V.N. Ariharan, S. Nightingale Sheeba. Screening of antioxidant and antimicrobial properties of different solvent extracts from <i>Pleurotus tuberregium</i> . “Recent Advancement of Biomolecule Inventions - RABI 2019”. 26 & 27 Julv. 2019. Pg. No: 74

## Papers published by staff and students

### a) Journals

S. Nightingale Sheeba, <b>J. Vinoliya Josephine Mary</b> and <b>S. Mary Mettilda Bai</b>	Identification and characterization of naturally occurring agglutinin from the flower of <i>Ipomoea pes-caprae</i> . <i>International Journal of Scientific Research and Reviews</i> . 2019. 8(2): 4148-4159.
Latha, N. and <b>Sr. M.R. Basil Rose</b>	Evaluation of antimicrobial activity in <i>Clitoria ternatea</i> . <i>J. Interdisciplinary Cycle Research</i> . 2020. XII(II): 137-145

### b) Proceedings

J.P. Jespa, and <b>F. Brisca Renuga</b> . Fortification of mulberry leaves with medicinal plants <i>Clerodendrum inermis</i> & <i>Vitex negundo</i> extracts effect on silkworm <i>Bombyx mori</i> , L ( <i>PMxCSR2</i> ). <i>Lepidoptera: Bombycidae</i> larval growth and cocoon traits. "Recent Advancement of Biomolecule Inventions - 26&27 July 2019. Pg. No.16
<b>Anitha, C.</b> and <b>Sr. Basil Rose, M.R.</b> <i>In vitro</i> anti-cancerous and apoptotic activity of lectin isolated from millipede, <i>Trigoniulus corallinus</i> on hepatocarcinoma cell line (hepg2). "Recent Advancement of Biomolecule Inventions - RABI 2019". 26 & 27 July 2019. Pg. No.18
Latha, N and <b>Sr. Basil Rose, M.R.</b> Assessment of the antimicrobial activity of the aqueous extract of <i>Tridax procumbens</i> . "Recent Advancement of Biomolecule Inventions - RABI 2019". 26 & 27 July 2019. Pg. No.15
Rajaselvam and <b>Sr. Basil Rose, M.R.</b> Natural agglutinin from the hepatopancreas of a freshwater crab, <i>Oziotelphusa ravi</i> (Raj, Biju Kumar and Ng, 2017). "Recent Advancement of Biomolecule Inventions - RABI 2019". 26 & 27 July 2019. Pg. No.61 – 62.
Antilda, J., <b>Mary Mettilda Bai, S.</b> and <b>Vinoliya Josephine Mary, J.</b> Fecundity of the gold stripe sardine, <i>Sardinella gibbosa</i> (Bleeker) from Vavathurai coast near Kanyakumari. Conference on Recent Advancement in Biomolecule Inventions. 26 <sup>th</sup> and 27 <sup>th</sup> July, 2019. Pg. No. 19
Vargila, F., <b>Mary Mettilda Bai, S., Vinoliya Josephine Mary, J.</b> and Rathika, R.K. Antimicrobial potential of the lectin purified from the hemolymph of the freshwater crab, <i>Oziotelphusa sp.</i> Conference on Recent Advancement in Biomolecule Inventions. 26 & 27 July, 2019. Pg. No. 20
Rathika, R.K. <b>Mary Mettilda Bai, S., Vinoliya Josephine Mary, J.</b> and Vargila, F. Antimicrobial activity of the hemolymph of the marine crab, <i>Grapsus tenuicrustatus</i> . Conference on Recent Advancement in Biomolecule Inventions. 26 & 27 July, 2019. Pg. No. 21
<b>Prakash Shoba, S., Venci Candida, X.</b> and <b>Sr. Basil Rose, M.R.</b> Bioprospecting the antimicrobial properties of medicinal plants <i>Mollugo cerviana</i> and <i>Achyranthus aspera</i> . International Conference on "Recent Advancement of Biomolecule Inventions – RABI 2019". 26 & 27 July, 2019. Pg. No. 24.
<b>P.T. Arokyia Glory, T.</b> Sahaya Sheeba, <b>C.J. Priyatharshini,</b> and <b>Sr. Basil Rose, M.R.</b> Study of Physicochemical parameters and water Quality Index of some temple ponds in Kanyakumari District. Conference on Recent Advances in Biomolecule Inventions. 26 & 27 July, 2019. Pg. No: 31
Femin Suji. M., <b>Josephine Priyatharshini, C</b> and <b>Sr. Basil Rose, M.R.</b> Efficiency of <i>Azolla</i> on the size of productivity of silkworm <i>Bombyx mori</i> . Recent advancement in biomolecule invention. 26 & 27 July, 2019. Pg. No. 33
Bebina. R. Cleetus and <b>Jeni Chandar Padua</b> . Green synthesis and characterization of silver nanoparticles using <i>Pedaliium murex</i> and its antimicrobial activities. "Recent Advancement of Biomolecule Inventions - RABI 2019". 26 & 27 July, 2019. Pg. No. 37.
M.J. Jenisha and <b>F. Brisca Renuga</b> . Role of plant ( <i>Psidium guajava</i> ) extracts on Fish ( <i>Xiphophorus hellerii</i> ) growth and health. "Recent Advancement Of Biomolecule Inventions - RABI 2019". 26 & 27 July, 2019. Pg.No: 66
S. Nightingale Sheeba, <b>J. Vinoliya Josephine Mary,</b> Jilian V. Paul and <b>S. Mary Mettilda Bai.</b> Characterization of hemagglutinins from the mucus of slug <i>Marieaella dussumieri</i> (gray, 1855). "Recent Advancement of Biomolecule Inventions - RABI 2019". 26 & 27 July, 2019. Pg. No:71
<b>A. Punitha,</b> Priya, G. and K.P Aswathy Gopika. Control of clinical pathogens by the hemolymph of <i>Paratelpusa convexa</i> , a fresh water crab. International Conference on "Recent Advancement of Biomolecule Inventions – RABI 2019". 26 & 27 July, 2019. Pg. No:72
Jilian V. Paul., <b>Vinoliya Josephine Mary J., V.N.</b> Ariharan and Nightingale Sheeba S. Screening of antioxidant and antimicrobial properties of different solvent extracts from mushroom <i>Pleurotus tuberregium</i> . International Conference on "Recent Advancement of Biomolecule Inventions – RABI 2019". 26 & 27 July, 2019. Pg. No:74
<b>A. Punitha,</b> K. Vimala and S. Swathy. A study on the shoot multiplication of <i>Piper longum</i> Linn. International Conference on "Recent Advancement of Biomolecule Inventions – RABI 2019". 26 & 27 July 2019. Pg. No.76
<b>Prakash Shoba, S., Mary Mettilda Bai, S., Venci Candida, X., Punitha, A., Vinoliya Josephine Mary, J.</b> and <b>Basil Rose, M. R.</b> A comparative study of hemagglutinin in estuarine crabs <i>Parasesarma plicatum</i> and <i>Sesarmaops</i>

<b>Anitha, C. and Basil Rose M.R.</b> Invertebrate Lectins In Imperviousness And Immunotherapy. “Recent Advancement of Biomolecule Inventions - RABI 2019”. 26 & 27 July, 2019. Pg. No: 86.
Nightingale Sheeba S., <b>Vinoliya Josephine Mary, J. and Mary Mettilda Bai, S.</b> Physico-chemical characterization of naturally occurring agglutinin from the flower of <i>Ipomoea pes-caprae</i> . “Recent Advancement of Biomolecule Inventions - RABI 2019”. 26 & 27 July, 2019. Pg. No:87
C. Monisha, <b>Vinoliya Josephine Mary J,</b> ElayaBharathi, T, and <b>Mary Mettilda Ba, S.</b> Antimicrobial potential of tissue extracts of a fresh water fish <i>Clariasgariepinus</i> (Burchell, 1822). “Recent Advancement of Biomolecule Inventions - RABI 2019”. 26 & 27 July, 2019. Pg. No:88.
Elaya Bharathi, T, <b>Vinoliya Josephine Mary, J, and Mary Mettilda Bai, S.</b> Characterization of a naturally occurring agglutinin in the hemolymph of the marine crab, <i>Atergatis latissimus</i> (H. Milne Edwards, 1834). 84.
Rathika, R.K., <b>Mary Mettilda Bai, S. and Vinoliya Josephine Mary, J.</b> and Vargila, F. Antimicrobial activity of the haemolymph of the marine crab <i>Grapsus tenuicrustatus</i> . “Recent Advancement of Biomolecule Inventions - RABI 2019”. “Recent Advancement of Biomolecule Inventions - RABI 2019”. 26 & 27 July, 2019. Pg. No:21.
Regis Freeda, R., Albert and <b>Jeni Padua.</b> Collection and identification of macro-parasites of <i>Cybbium commersonii</i> and Tuna of Rajakkamangalamthurai coast, Kanyakumari district. “Recent Advancement of Biomolecule Inventions - RABI 2019”. 26 & 27 July, 2019. Pg. No:42 .
<b>Dr. Anitha and Sr. Basil Rose, M.R.</b> Survey of agglutinin in the hemolymph of two species of marine snails. Conference on Current Immunological Tools for Biodiversity and Status of Environmental Health. August, 2019. Pg. No: 173 – 174.
Vargila, F., <b>Mary Mettilda Bai, S., Vinoliya Josephine Mary, J.,</b> Rathika, R.K. & Latha, N. Antimicrobial activity of the lectin purified from the hepatopancreas of the freshwater crab, <i>Oziotelphusasps</i> . Conference on Current Immunological Tools for Biodiversity and Status of Environmental Health. August, 2019. Pg. No: 81
Elaya Bharathi, T, <b>Vinoliya Josephine Mary, J, Mary Mettilda Bai, S.</b> Cytotoxicity and antiproliferative effect of hemolymph lectin of <i>Atergatis integerrimus</i> on cervical carcinoma (HeLa) cell line. Conference on Current Immunological Tools for Biodiversity and Status of Environmental Health. 21-23, August, 2019. Pg. No: 84.
<b>Latha, N and Sr. Basil Rose M.R</b> and Vargila, F. Antimicrobial activity and phytochemical screening of the aqueous extracts of the leaf of <i>Crataeva magna</i> . Conference on Current Immunological Tools for Biodiversity and Status of Environmental Health. 21-23, August, 2019. Pg. No: 79 – 80.
Regis Freeda, R., <b>Jeni Chandar Padua,</b> Jeba Preethi Jhonsi, P.C., Sahaya Priya, R and Seethalakshmi, Embryo-toxic and teratogenic effect of <i>Celosia argentea</i> leaf extract in Zebra fish (Danio-rerio) embryos. International Seminar on “Conservation of Biodiversity and Bioprospecting of Indigenous Plants”. 2020. 07 January 2020. Pg. No: 10.
Jeba Preethi Jhonsi, P.C. R., <b>Jeni Chandar Padua,</b> Regis Freeda, Sahaya Priya, R and Seethalakshmi, T. Teratogenic and toxic effects of the leaf extract <i>Taraxcum officinalis</i> during embryogenesis of the Zebra fish (Danio-rerio). International Seminar on “Conservation of Biodiversity and Bioprospecting of Indigenous Plants”. 07 January 2020. Pg. No: 9.
Divinia Mary Jeba L., <b>S. Mary Mettilda Bai &amp; J. Vinoliya Josephine Mary.</b> Diversity of Ants in the campus of Holy Cross College, Nagercoil, India International Seminar on “Conservation of Biodiversity and Bioprospecting of Indigenous Plants”. 07 January 2020. Abstract No: 30.
Teeni Janet Raj T.G. and <b>Shyla Suganthi A.</b> Phylogeny of the Fresh water crab <i>Parytelphusa jacquemontii</i> based on <i>its-2 gene</i> (Crustaceae): Brachyura: Gecarcinucooidea. International seminar on current status and challenges for conservation and sustainable use of biodiversity. 22–24 January 2020. Pg. No: 30.
Teeni Janet Raj T.G., <b>Shyla Suganthi A.,</b> Anilkumar G. Phylogeny of the Spiny Lobster, <i>Panulirus polyphagus</i> based on cytochrome oxidase I Gene (Crustaceae): alacostraca:Palinuridae International seminar on current status and challenges for conservation and sustainable use of biodiversity. 22–24 January 2020. Pg. No: 53
Seethalakshmi, <b>Jeni Chander Padua,</b> Regis Freeda, Jeba Preethi, Sahaya Priya, R. Comparative study on the regeneration potential of a few earthworms exposed to natural radiation. International Conference on Eco-Entrepreneurship “CEE-RISE” 2020. 28 January 2020. Pg.No: 24.
Jeba Preethi, <b>Jeni Chander Padua,</b> Regis Freeda, Sahaya Priya, R., Seethalakshmi . Toxicity Assessment of <i>Bacopa monnieri</i> leaf extract using Zebrafish embryos (Danio rerio). International Conference on Eco-Entrepreneurship “CEE-RISE” 2020. 28 January 2020. Pg. No:19.
Regis Freeda, <b>Jeni Chander Padua,</b> Jeba Preethi, Sahaya Priya, R., Seethalakshmi. Embryo toxic effects of <i>Justicia adatoda</i> leaves extract on Zebrafish (Danio rerio) embryo. International Conference on Eco-Entrepreneurship “CEE-RISE” 2020. 28 January 2020. Pg. No: 20.
Sahaya Priya, R., <b>Jeni Chander Padua,</b> Jeba Preethi, Regis Freeda, Seethalakshmi. A study on the Biodiversity of insects collected from Kurusady village, Nagercoil, Kanyakumari. International Conference on Eco-Entrepreneurship “CEE-RISE” 2020. 28 January 2020. Pg. No: 21.
Arockya Jothi Blessy , A. and <b>Sr. Basil Rose M.R.</b> Biological role of the coelomic fluid lectin from the star fish <i>Pentacaster mamillatus</i> . National seminar cum workshop on Bioinformatics method for data analysis. 21 February 2020. Pg. No. 14.

Antilda, J, **Mary Mettilda Bai, S.** and **Vinoliya Josephine Mary, J.** Length-frequency analysis of *Sardinella gibbosa* (Bleeker, 1849) of Kovalam Coast, Kanniyakumari, Tamil Nadu. Proc. of the National Conference on Scientific approaches to multidisciplinary research. 29 February 2020. Pg. No. 166.

Vargila, F., **Mary Mettilda Bai, S., Vinoliya Josephine Mary, J.** Antifungal potential of a lectin (NagLec) isolated from the freshwater crab, *Oziotelphusa naga*. Proc. of the National Conference on Scientific approaches to multidisciplinary research. 29 February 2020. Pg. No. 168.

Latha N, and **Sr. Basil Rose M R.** Comparative studies on the phytochemicals of the fresh and dry leaves of *Cratevum magna*. Proc. of the National Conference on Scientific approaches to multidisciplinary research. 29 February 2020. Pg. No. 170-172.

Stella Bai, D, **Mary Mettilda Bai, S., Vinoliya Josephine Mary, C** and Citarasu, T. Aquaponics, a sustainable farming – a review. Proc. of the National Conference on Scientific approaches to multidisciplinary research. 29 February 2020. Pg. No. 173-174

Rajaselvam and **Sr. Basil Rose MR.** Proc. of the National Conference on Scientific approaches to multidisciplinary research. 29 February 2020. Pg. No. 173-174

## PAPER PRESENTATION ABROAD

**Teeni Janet Raj T.G.** presented paper on 11 & 12<sup>th</sup> November, 2019 at **Thailand** organized by Herald Meetings, Washington DC, USA with the title “Morpho – and Molecular taxonomy of the Fresh water crab *Parytelphusa jacquemontii*”.



**Tyni Joice Raj T.G.** presented paper on 11 & 12<sup>th</sup> November, 2019 at **Thailand** organized by Herald Meetings, Washington DC, USA with the title “Phylogenetic studies on the spiny lobster *Panulirus polyphagus* using 16SrRNA (Crustacea: Maacostraca: Palinuridae)”.



## DETAILS OF ACCESSION NUMBERS IN GENBANK

- i. Teeni Janet Raj, T.G., Tyni Joice Raj, T.G., Shyla Suganthi, A., Anilkumar, G. and Tani Carmel Raj, T.G. Voucher No. HCZBO8a, Accession No. MT156362, Published on 12-MAR-2020
- ii. Tyni Joice Raj, T.G., Shyla Suganthi, A., Anilkumar, G. and Teeni Janet Raj, T.G. Voucher No. HCZLO2, MN273739, Published on 04-MAR-2020
- iii. Teeni Janet Raj, T.G., Tyni Joice Raj, T.G., Shyla Suganthi, A. and Anilkumar, G. Voucher No. HCZB09b, Accession No. MN974485, Published on 03-MAR-2020
- iv. Teeni Janet Raj, T.G., Tyni Joice Raj, T.G., Shyla Suganthi, A. and Anilkumar, G. Voucher No. HCZBO8b, Accession No. MN974484, Published on 03-MAR-2020
- v. Teeni Janet Raj, T.G., Tyni Joice Raj, T.G., Shyla Suganthi, A. and Anilkumar, G. Voucher No. HCZB07, Accession No. MN933631, Published on 19-JAN-2020
- vi. Teeni Janet Raj, T.G., Tyni Joice Raj, T.G., Shyla Suganthi, A. and Anilkumar, G. Voucher No. HCZBO8b, Accession No. MN974484, Published on 03-MAR-2020

# ACADEMIC ACHIEVERS

## RANK HOLDERS

B.Sc. Zoology	I Rank:	<b>Ms. J. Ashiba Shibani</b>
	II Rank:	<b>Ms. J. Jovila</b>
M.Sc. Zoology	I Rank:	<b>Sr. Jisha James</b>
	II Rank:	<b>Ms. R. Nisha</b>
M.Phil. Zoology	I Rank:	<b>Mrs. Fairy Leema Francis</b>

## PROFICIENCY PRIZE WINNERS

I B.Sc. Zoology: I  
Prize - **Ms. Arul Selvan  
Arul Deepika**



II B.Sc. Zoology:  
I Prize - **Ms. S. Swathy**



III B.Sc. Zoology:  
I Prize - **Ms. R. Tony  
Lesline**



III B.Sc. Zoology:  
II Prize - **Ms. K.P.  
Aswathy Gopika**



I M.Sc. Zoology:  
I Prize - **Ms. J. Sahaya  
Suji Princy**



II M.Sc. Zoology:  
I Prize: **Ms. S.K. Lylathul  
Aseena**



II M.Sc. Zoology:  
II Prize - **Ms. P.  
Monisha Mary**



M.Phil. Zoology:  
**Ms. T. Seetha Lakshmi**



NMEC Zoology:

I Prize: **Ms. B. Shino  
Fatima**, I BA. English lit.

Allied Zoology:

I Prize: **Ms. M. Michael  
Sahaya Vinslet**, II B.Sc.  
Botany

## ENDOWMENT PRIZES

1. Sr. Regina's Memorial Prize instituted by Dr. Mrs. Vimala Vincent for II. B.Sc. Zoology student. - **Ms. S. Cathrin Nishiba**
2. Mr. & Mrs. Vincent Fernando's Endowment prize, instituted by Mrs. Lucy Zephine for the best out gone student in B.Sc. Zoology. - **Ms. J. Ashiba Shibani**
3. Endowment Prize in memory of Dr. Sr. Mercy, instituted by the teaching staff of Zoology Department, for the best out gone student in M.Phil. Zoology. - **Ms. Fairy Leema Francis**
4. Endowment Prize in the memory of Dr. Mrs. Vimala Vincent, instituted by the teaching staff of Zoology Dept., for the best out gone student in M.Sc.Zoology. **Sr. Jisha James**
5. Dr. Sr. Mercy and Dr. Sr. Basil Rose's Endowment prize, instituted by Sr. Mercy's mother, for a M.Sc. Zoology student, who is socially committed and doing extension activities. – **Ms. A. Arul Deepa**
6. Dr. Sr. Mercy and Dr. Sr. Basil Rose's Endowment prize, instituted by Sr. Basil Rose's aunty, for a B.Sc. Zoology student, who is socially committed and doing extension activities. - **Ms. M. Serine Michael**
7. Endowment Prize in memory of Dr. Mrs. Y. Premalatha, instituted by the teaching staff of Zoology Department, for the second best out gone student in B.Sc. Zoology. - **Ms. J. Jovila**
8. Mrs. Dulsey's Endowment Prize, for the second best out gone student in M.Sc. Zoology. – **Ms. R. Nisha**
9. Dr. Mrs. Jayasuriya's Endowment prize for the student who secured the highest mark in Evolution (B.Sc.). - **Ms. K.S. Sony**
10. Endowment Prize of lion Dr. S.A.P. Varghese for Academic Excellence for the student who secured I rank in V Semester Major and allied subjects. - **Ms. K.P. Aswathy Gopika**
11. Dr. Mrs. Thana Lakshmi's Endowment prize for a research scholar with maximum number of publication in journals with impact factor. - **Ms. F. Vargila**
12. Mrs. J. Alice Prema's Endowment prize for the best student in I B.Sc. Zoology. – **Ms. J. Agnel**
13. Mrs. Y. Mary Saroja's Endowment prize for the student who secured the highest mark in Biochemistry (M.Sc.). - **Ms. J. Ashiba Shibani & Ms. S. Muthu Selvi**



## JOY OF GIVING

**H.Share:** Students experienced the Joy of Giving by donating benches to the students of Govt. Middle School, Thammathukonam.



# LAURELS OF THE DEPARTMENT

## Talents of students

Students exhibited their talents with a Rangoli on 08.07.2019. I PG Students participated in the model making competition on 24.07.2019 and won the second prize. Students expressed their love and respect towards teachers by celebrating “Teachers day” on 05.09.2019. They exhibited their talents by singing and a talk on “Teachers Day”. Students participated in the Fine Arts Competitions.



I M.Sc. students –  
Model Making



Participants of intra and  
inter collegiate competitions

Pearlin Sushma and  
Sona, I B.Sc. –  
Bharatham



I B.Sc. and III B.Sc.  
students- Bridal makeup



J. Agnel and Pearlin  
Sushma of I B.Sc.– Quiz  
competition



Ajantha, I M.Sc.  
Zoology – Zoofest





**Swathy II B.Sc. – Zoofest**  
– Poster presentation



**Shalin I B.Sc. – Singing**



**Renefa I B.Sc.**

- Elocution



**Sowmiya, I B.Sc.**

– Drawing



**Ananthalakshmi I B.Sc.**

– Drawing



**Pison, I B.Sc.**

– Essay writing



**Sr. Catherine Yudith,**

I B.Sc – Essay writing.



**Rubisha, I B.Sc.**

- Essay writing



**Editors:** Dr. X. Venci Candida

Dr. A. Shyla Suganthi

**Editorial team:** Dr. S. Mary Mettilda Bai

Dr. F. Brisca Renuga

Dr. J. Vinoliya Josephine Mary

Dr. P.T. Arokya Glory

Dr. Jeni Chandar Padua

Dr. C. Josephine Priyatharshini

Dr. A. Punitha

Dr. S. Prakash Shoba

Dr. C. Anitha

