

**ST. JOSEPH'S COLLEGE OF ARTS & SCIENC (AUTONOMOUS)
CUDDALORE – 1**



DEPARTMENT OF ZOOLOGY

Activities Report 2017 - 2021

Department Of Zoology

Zoology Association Inauguration Report (2017-2018)

The Zoology Association & Enviroclub was inaugurated on 12.07.2017 at 10.30 a.m. The function was presided over by Rev. Fr. Secretary and he delivered the presidential address. The special and invited address was delivered by the chief guest of the function, Dr. S Gajalakshmi, Assistant Professor, Centre for Pollution Control & Environmental Engineering, Pondicherry University, Kalapet. She is one of the renowned scientists and a well known researcher of Solid Waste Management and she explained the adverse impact on human health due to Household Pollution. He insisted the protective measures to be framed to save our house environment.



Earlier the chief guest was introduced among the audience by Mr. T.Ganesh Kumar, Assistant Professor in Department Of Zoology. The office bearer of the association was announced by Dr. A. Arul Prakash, Assistant Professor in Department Of Zoology. The future course of action to be executed by the association during it's tenure was framed by the executive members. Tree plantation was one of the parts of the programme. The Function Ended with the Vote Thanks and National Anthem.


Photo Showing the Shift-1 & II office bearers of Enviroclub



Photo showing tree plantation by Rev.Fr. Secretary



DEPARTMENT OF ZOOLOGY
GUEST LECTURE ON “ORGAN DONATION”

**ST. JOSEPH'S COLLEGE OF ARTS & SCIENCE**
(AUTONOMOUS)
A Christian Minority Institution, Affiliated to Thiruvalluvar University, Vellore.
Re-Accredited by NAAC with "A" Grade (3rd cycle),
(Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956)
Cuddalore - 607001.

DEPARTMENT OF ZOOLOGY
We cordially invite you all for the Guest Lecture
on

ORGAN DONATION

on 6th Sep 2017 from 10.30 to 11.30 am
@ M. A. Ratchagar Hall.

With
The Blessings of
Rev. Fr. G. PETER RAJENDIRAM
Secretary

Resource Person
Mr. RUBAN VICTOR, M.S.W
Programme Coordinator in Organ Transplant,
Pondicherry Institute of Medical Sciences,
Puducherry.

With The Wishes of
Dr. S. Chinnappan, Principal.
Mr. M. Arumaiselvam, Vice Principal.
Rev. Fr. S. Xavier, Dean of Studies.
Mrs. Jeyanthi Ravichandran, Dean of Evening College.

by
Mrs. P. Thenmozhi, HOD, Staff & Students, Department of Zoology


As per the Annual programme schedule a Special lecture on “**ORGAN DONATION**” was organized by the Department of Zoology on 06.09.2017 between 10.30 to 12.00 p.m in M.A.Ratchagar hall with the blessings of Rev. Fr. Secretary. Our Principal Dr.S.Chinnappan and vice-principal Mr.Arumai Selvam presided over the function. **Mr. Ruban Victor**, M.S.W, Programme Coordinator in Organ Transplant, Pondicherry Institute of Medical Sciences, Puducherry was invited as the resource person. Mrs.Thenmozhi.Asst.Prof.&Head introduced the resource person and she also emphasized about the need and importance of Organ Donation. Then the resource person Mr. Ruban Victor, delivered the power point presentation speaking about the types of Organ Donation, the recent trends in Organ Donation and the various steps involved in that processes. Our vice-principal delivered about the importance of Organ Donation. Mrs. Jeyanthi Ravichandren, Dean of studies, gave a brief outline about Organ Donation and her

personal experiences in an interesting way. Nearly 200 students have participated in the above programme. Finally the students asked many questions and the resource person clarified their doubts .The session came to an end with a national anthem.

Photo showing the guest lecture by Ruben victor



GUEST LECTURE PROGRAMME
on
“Avifaunal (Birds) Diversity, Behaviour, Threats and Conservation”



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Cuddalore - 607001.


DEPARTMENT OF ZOOLOGY
We cordially invite you all for the Guest Lecture
on
**"AVIFAUNAL (BIRDS) DIVERSITY, BEHAVIOUR,
THREATS AND CONSERVATION"**
On 6th January 2018 from 10:30am to 11:30am
at Library Seminar Hall

Presided Over by
Rev. Fr. G. PETER RAJENDIRAM
Secretary

Resource Person
Dr. R. NAGARAJAN, M.Sc.,
M.Sc.,(App. Psy), M.Phil., B.Ed.,Ph.D (UK),Ph.D (India),
Principal & Head
PG and Research Dept. of Zoology & Wildlife Biology,
A.V.C. College (Autonomous),
Mayiladuthurai

Felicitations
Dr. G. Chinnappan, Principal
Mr. M. Arumaiselvam, Vice Principal
Rev. Fr. Dr. S. Xavier, Dean of Studies
Mrs. Jayanthi Ravichandran, Dean of Evening College

by
Mrs. P.Thenmozhi, HOD,Staff & Students, Department of Zoology



As a part of the association activity the Dept. of Zoology have organized a guest lecture programme on “Avifaunal (birds) diversity, behavior, threats and conservation” during 6th Jan. 2018 at Fr.Paul Raj Kumar Seminar hall. with the blessings of Rev. Fr. secretary_The function was presided over by the Vice Principal, Mr.Arumai Selvam and he delivered the presidential address. The special and invited address was delivered by the chief guest of the function, The function was pleasant by the gracious presence of the chief guest Dr. R. Nagarajan, M.Sc., M.Sc., (App. Psy), M.Phil., B.Ed.,Ph.D (Uk),Ph.D (India), Principal & Head PG and Research Dept. of Zoology & Wildlife Biology, A.V.C. College (Autonomous), Mayiladuthurai. Earlier the chief guest

was introduced among the audience by Mrs.P.Thenmozhi, Head, and Dept. of Zoology. Our vice principal, Dean of studies Rev. Fr. Dr. S. XAVIER and Dean of evening college Mrs. Jeyanthi Ravichandren gave a brief note and interesting facts about bird's behavior and the importance of conserving them. Dr. R. Nagarajan, the invited speaker gave a power point presentation on bird's diversity, behavior, threats and conservation in a colorful and interesting way. About 150 students have been participated in the programme. The Function ended with the Vote of thanks and National Anthem.

Photo showing the guest lecture by Dr. R. Nagarajan





INAUGURATION OF ZOOLOGY ASSOCIATION

(2018-2019)

Date: 20.07.2018

St. Joseph's College of Arts & Science (Autonomous)
Cuddalore-607001.

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**"ZOOLOGY ASSOCIATION"
&
"ENVIRO CLUB"**

**"INAUGURATION"
(2018-2019)**

Chief Patron
Rev. Fr. G. PETER RAJENDIRAM
Secretary

Chief Guest
Er. S.SUDALAI, M.Tech,
Asst. Professor,
Centre for Pollution Control and Environmental Engineering,
Pondicherry University
Key note Address on :
"Environmental Sustainability and hopes for better future"
[Inspiring Personality and their achievements]

Felicitation
Dr.S.Chinnapan, Principal
Mr.M.Arumai Selvam, Vice Principal
Rev.Fr.Dr.S.Xavier, Dean of Studies
Mrs.Jeyanthi Ravichandran, Dean of Evening College

Date: 20.07.2018 (Friday) Time: 10:30 a.m to 12:00 p.m
Venue: Library Extension Hall

By
**Mrs. P. Thenmozhi, Asst. Prof.,
Staff & Students,
Department of Zoology**

The Zoology Association was formally inaugurated on 20.07.2018 around 10.30 a.m in the Library extension hall. It was presided over by **Rev. Fr. Secretary. Er. S. Sudalai, M.Tech.,** Assistant Professor, Centre for Pollution Control and Environmental Engineering, Pondicherry Central University, Puducherry was invited as special guest **Mrs. P. Thenmozhi, Asst. Prof. &**

Head of the Dept. of Zoology welcomed the dignitaries and the gatherings. **Rev. Fr. Secretary** delivered the presidential address speaking the recent trends in environmental rehabilitation processes.

Our vice-principal delivered the various management strategies to frame sustainable environment and some activities of the department. **Rev. Fr. Dr. S. Xavier**, Dean of studies, a brief outline about environmental degradation and the various repairing mechanisms to be operated. **Mrs. Jeyanthii Ravichandren**, Head of the Dept. of English cum Dean of evening college enumerated the importance and the significances of enviroclub. The student enviroclub representatives of each department and the members of the enviroclub of nearly 100 students participated in the inaugural function. Mr. T. Ganesh Kumar, Asst. Prof. in Dept. of Zoology introduced the chief guest and the various activities to be carried out during the forthcoming academic year 2018-'19. Dr. A.ArulPrakash, Asst. Prof. Dept. of Zoology, introduced the office bearers.

The chief guest **Er. S. Sudalai** gave a guest lecture on the topic “Environmental sustainability and hopes for better future” (Inspiring personality and their achievements). The function concluded at 1.30 p.m.





DEPARTMENT OF ZOOLOGY

GUEST LECTURE ON “INSECT ENEMIES AND FRIEND OF FARMERS”

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Cuddalore - 607001

DEPARTMENT OF ZOOLOGY

We cordially invite you all for the Guest Lecture
on Topic
"ENEMIES OF INSECTS - FRIENDS OF FARMERS"

Presided Over by
Rev. Fr. G. PETER RAJENDIRAM
Secretary

Resource Person
Dr. A. SANKARI
Assistant Professor
PG and Research Dept. of Zoology & Wildlife Biology
A. V. C. College (Autonomous), Mayiladuthurai

Felicitations
Dr. S. Chinnappan, Principal
Mr. M. Arumaiselvam, Vice Principal
Rev. Fr. Dr. S. Xavier, Dean of Students
Mrs. Jeyanthi Ravichandran, Dean of Evening College

Date: 25.09.2018
Time: 10.30 a.m to 11.30 a.m
Venue: Library Extension Seminar Hall

By
Dr. Mrs. P. Thenmozhi, HOD,
Staff & Students,
Department of Zoology

A Guest Lecture programme on “Insect Enemies and Friend of Farmers” was organized by the Department of Zoology on 25.09.'18 at Library Extension Hall around 10.30 a.m. Dr. A. Shankari, Associate professor in Department of Zoology and Wild Life, AVC College, Mayiladudurai was invited as the resource person to she is specially expertise on spiders

and their role in plant protection. The resource person was earlier introduced to **Rev.Fr.Secretary** and then guided to the workshop venue. **Mrs. P. Thenmozhi**, Asst. Prof. & Head of the Dept. of Zoology welcomed and introduces the resource person before the audience gathering. **Dr. S. Chinnappan**, The Principal of the college presided over the function. Around 110 students were participated. The technical session was started at 11.00 a.m. **Dr. A. Shankari** explained about the various insect pests attacking the plant crops and the natural enemies how they predate them and how they support agriculture and acts as the friend of the farmers.

Clarifications and discussions were made and **the resource person** replied to the various questions raised by the students. The lecture session came to an end around 12.30 p.m. The resource person was honored by a memento and shawl. Vote of thanks was spelt by a student volunteer.



DEMONSTRATION OF VERMICOMPOSTING TO PHYSICS STUDENTS

Date: 21.01.2019

The department of physics organized a 1 week project funded by tamil nadu science and technology. As a part of it the department of Zoology have handled one day session on “vermicomposting technology”. Dr. A. Arul Prakash and Dr. T. Ganesh Kumar demonstrated the various steps in vermicomposting in a lively manner. Nearly 30 students participate in the above programme in the presence of the faculty members of department of Physics.



ST. JOSEPH'S COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

DEPARTMENT OF ZOOLOGY AQUA FARM FIELD TRIP REPORT

Date: 16.02.2019

As the part of the curriculum, the department of Zoology have arranged a field trip to an aquaculture farm named Himalayan Aqua Farm, Tittai near Thanjaur on 16. 02. 2019 .It was an exposure trip for the students with educational importance. The students were gathered in our college campus at around 7:30 am and the departure of the trip was at 7:45 am with the blessings of our Rev.Fr.Secretary and the guidance of Dr. P. Thenmozhi, Head and Assistant Professor, Dept. of Zoology. The programme coordinated by Dr. A. Arulprakash, Asst. Prof in Dept. of Zoology and N. Jaya prabha, Asst. Prof, in Dept. of Zoology. We reached the destination around 10.30 a.m.

First the Director and in-charge of Himalayan Aqua Farm, Mr. Suresh gave a welcome and gave a lecture about the cultivation and maintenance techniques of fresh water fish culture in ponds in various steps viz. cultivation, pond preparation, seed production, hatchling and fish harvesting and processing of egg up to hatching of fish.

They demonstrated the various types of fishes like, common carp, cattla, rohu and mirigal etc. in the pond. They are culturing fishes in 15 ponds. The Students were inculcated with the knowledge about fresh water fish culture and its techniques. They also demonstrated the fish catching methods, zooplanktons and its method of culture in aqua farm etc. The students were fulfilled with hatchery cultivation also. By this trip the students got a wide practical knowledge about Aquaculture and its techniques. Around 20 students participated in the farm visit and after the lunch they were start from Tittai around 2:30 pm and reached Cuddalore around 6:00 pm.



DEPARTMENT OF ZOOLOGY

SI.NO	NAME	ROLL NO
01	B.AKSHYA	A18ZOD01
02	S.ANU PRIYA	A18ZOD02
03	M.DHINESH	A18ZOD03
04	R.JANANI	A18ZOD04
05	L.KEERTHIKA	A18ZOD05
06	D.NARMADHA	A18ZOD06
07	P.PABITHA	A18ZOD08
08	F.PHILOMINA MARY	A18ZOD09
09	J.PRASANTH	A18ZOD10
10	R.RASITHA	A18ZOD11
11	M.SORNAMUGI	A18ZOD12
12	K.THAMENA	A18ZOD13
13	R.VARUN RAJ	A18ZOD14
14	V.PUSHPA ARUVI	A18ZOD16
15	B.NABIKALA	A18ZOD17
16	A.P.SHARMI	A18ZOD19
17	S.SUHAIL	A18ZOD20
18	S.SASIDHARAN	A18ZOD21
19	R.HEMANTHPRABHU	A18ZOD22
20	K.VIGNESH	A18ZOD24

INAUGURATION OF ZOOLOGY ASSOCIATION

(2019-2020)

Date: 02.07.2019

The Zoology Association was formally inaugurated on 02.07.2019 around 10.30 a.m in the Library extension hall. It was presided over by **Rev. Fr. Secretary. Dr.R.Kannan**, Associate Professor, Periyar Govt. Arts College, Cuddalore, was invited as special guest. Miss. Abisha Merlin and Miss.Charu Latha of I B.Sc.Zoology welcomed the dignitaries and the gatherings.

Dr. P. Thenmozhi, Asst. Prof. & Head of the Dept. of Zoology introduced the chief guest. **Rev. Fr. Secretary** delivered the presidential address by speaking about the department and appreciated about the department activities done in the past years. Recent trends in environmental rehabilitation processes.

Our vice-principal delivered about the chief guest and the history of the department. The office bearers were introduced by Dr. A. Arul Prakash. There were 65 students from I year and II year Zoology participated in the inaugural function. Mr. T. Ganesh Kumar, Asst. Prof. in Dept. of Zoology red about the various activities to be carried out during the forthcoming academic year 2019-‘20.

The chief guest **Dr. R. Kannan**, Associate Professor, Periyar Govt. Arts College, Cuddalore gave a brief lecture about his past experience in the College and the placement opportunities of the course. The function concluded at about 1.00 p.m.

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" INAUGURAL FUNCTION "
ZOOLOGY ASSOCIATION

on
02.07.2019

Chief Patron

Rev.Fr.G.PETER RAJENDIRAM
Secretary

Chief Guest

Dr.R.KANNAN (Associate Prof.)
Head, Dept of Zoology,
Periyar Govt. Arts College, Cuddalore.

Felicitation

Dr.S.Chinnappan, Principal
Mr.M.Arumal Selvam, Vice Principal
Rev.Fr.Dr.S.Xavier, Controller of Examination
Rev.Fr.A.Alex, Dean of Studies

Venue: LIBRARY EXTENSION SEMINAR HALL

Time: 10.30 a.m to 12.00 p.m

By
Dr.P.Thennmozhi, HOD
Staff & Students,
Department of Zoology



**ST. JOSEPH'S COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)
CUDDALORE -1
DEPARTMENT OF ZOOLOGY**

AQUACULTURE VISIT

DATE: 03-08- 2019

PLACE: RAJIV GANDHI CENTRE FOR AQUACULTURE

The trip as per curriculum was an exposure trip to a place of educational importance. The department of Zoology of St Joseph's College Of Arts and Science was planned for a day. RGCA is one of the biggest aquaculture centre in Asia and the only mud crab hatchery in India. The Aquaculture centre is located in Sirkali in Tamil Nadu in the southern part of India. The Rajiv Gandhi Centre For Aquaculture mainly focuses on "Mangrove Crab Hatchery" and "Sea bass Hatchery".

The main objective of the trip was effective learning about aquaculture that mainly emphasized on mud crab culture and sea bass hatchery. It enhanced the perspective about research and development.

The students of I B.Sc. Zoology were gathered in our campus on 3 August 2019 at around 6:30am. We started from the college at about 7:45am with (HOD) Dr. Thenmozhi , Head of the Department and the Class Teacher Dr. Arul Prakash. We reached our destination, Sirkali, Rajiv Gandhi Centre for Aquaculture (RGCA) at around 10:40am.

The students were first allowed to visit the mud crab hatchery. There they learned about the life cycle of mud crab as it passes through different stages in its life. As it goes through various phases, different forms of live feeds are given to the mud crab.

During its initial stage it is fed with rotifer and the consecutive next stage is fed with artemia. It is also fed with various forms of algae. They were also able to see the large scale culture of green and brown algae.

They saw the larval stage and the fully grown mud crab. The RGCA cultures crab of economic importance and finally sells it either to local farmers or it is exported to other states and countries.

Then they were taken to see sea bass hatchery. The sea bass hatchery focuses on culture of fish and shrimp. They were first taken to beach where pipelines were laid for water, since water is the major requirement for growing of fishes. Then they visited where huge tanks were kept for water evaporation from where water is pumped to another chamber. In this chamber there were three reservoirs of water holding capacity of 200 tons. They also saw ozone concentrator which concentrates atmospheric oxygen to produce ozone that acts as germicide killing all pathogens in water.

In RGCA they had a branch of Laboratory wing where in the genetics lab, histopathology lab and microbiology lab. In genetics lab they saw the instruments such as agarose gel electrophoresis, PCR (polymerization chain reaction) they explained the methods of DNA sequencing and histological techniques. Then we went for Velankani as a pilgrimage visit. We all set our journey back to Cuddalore.

CONCLUSION

The studious attitude and efforts got completed successfully. Towards the end of the day the students were aware of the vast opportunities available to us in research field and marine hatchery. The overall trip was enlightening one and the RGCA was worth visiting.



INDUSTRIAL VISIT

The students of II year B.Sc., Zoology were undertook an Industrial visit (2019-2020) to CAS in marine biology, Annamalai University, Parangipettai on 20th December 2019 under the guidance of Dr. N. Jayaprabha, Asst. Professor, Dept. of Zoology. There we have first visited the museum which was a rich collection of very rare species and obtained knowledge on various marine organisms. Then we have visited the centralized laboratory, where we have seen various instruments like Fluorescence microscope, UV – VIS spectrophotometer, MALDI-TOF, CHNS&O analyzer, ICP, HPLC, Cooling centrifuge, Rotary evaporator, Gas chromatography Mass spectrometer, Lyophilizer, Electrophoresis, Autoclave, Hot air oven, High speed refrigeration centrifuge, Mercury analyzer etc., and the incharge of the lab explained the working principle of these instruments. Then after we have seen the department library and ENVIS centre and purchased some books. After that we have seen the aquaculture facilities. Finally we have visited the mangrove plantation opposite to the center and the fish landing centre in annankoil. The students have receive knowledge on the biodiversity of various marine species, and various instruments which was very much useful for them in their future. At the end of the program we have visited Chidambaram Natarajar Temple.



ENVIS centre



Mangrove view



Instrumentation Lab



Front view of CAS

Shell Collection Report

The students of II year B.Sc., Zoology went for shell collection to Samiyarpettai coast in Cuddalore on 10th January 2020 under the guidance of Dr. N. Jayaprabha, Asst. Professor, Dept. of Zoology. There we have collected various types of Molluscan shells especially Bivalves, Gastropods, etc. *Mytilus* sp., *Pecten* sp., *Donax* sp., *Mytilopsis* sp., *Cymatium* sp., *Meretrix* sp., *Olivina* sp., *Cerithium* sp., *Turritella* sp., *Caracol conus* etc are most abundantly found



2020-2021

Programs conducted

S. No.	Date		Title of the Program	Chief Guest	No. of Participants Registered	No. of Participants participated	Certificate issued
	From	To					
1.	05.06.2020		Webinar on Health and Environment organized by Enviro Club and Department of Zoology	Dr. Joseph C. Daniel Associate Professor and Head PG and Research Department of Microbiology	114	114	114
2.	02.06.2020	05.06.2020	E-Poster competition on “Environment is in our Hands” organized by Department of Zoology and PG Department of Computer Application		56	56	56
3.	16.06.2020	22.06.2020	Online Quiz on “An Overview of Zoology” organized by Department of Zoology	-	144	144	100
4.	04.07.2020	07.07.2020	National level “E-Quiz on Zoology” organized by Department of Zoology	-	417	417	229
5.	08.10.2020	26.10.2020	Online Poster Presentation on Wildlife Week 2020, organized by Enviro Club				

6.	20.03.2021	21.03.2021	WORLD WATER DAY -2021 SLOGAN CONTEST				
7.	31.03.2021	31.03.2021	Webinar on Biomedical Waste Management – Challenges Ahead organized by Enviro Club and Department of Zoology	Dr. Nehru Kumar Vaithilingam Professor and Head, Department of Civil Engineering Faculty of Engineering and Technology Annamalai University, Annamalai Nagar – 608 002	150	70	50