

THE PLACENTA



NEWSLETTER OF THE DEPARTMENT OF ZOOLOGY, ST. ALOYSIUS COLLEGE, EDATHUA



Volume-4 2018-2019



Principal's Message

I am happy to know that the Department of Zoology is publishing its 4th Volume of annual Newsletter- 'The Placenta'. As the name indicates, may the Department serve as a mediator for transferring the values and visions of St. Aloysius College, Edathua to the students of Zoology.

I take this opportunity to congratulate the Department, especially the rank holders, for their marvellous achievements in the University examinations. I sincerely appreciate Dr Shibu George (HOD), faculty members and students of the Department for taking great efforts for making this newsletter a realistic one. I offer my wholehearted support for the physical and academic growth of the Department.

Dr. Jochan Joseph
(Principal)

ORNAMENTAL FISH HATCHERY INAUGURATED



The World demand for ornamental fishes are increasing day by day and more and more entrepreneurs are attracted to the wholesale and retail markets but the production is not coping with the need. To be a successful entrepreneur in ornamental fish production, thorough knowledge and scientific idea about breeding, rearing and management of ornamental fishes are inevitable. Hands own experiences are essential for acquiring the skills of ornamental fish breeding techniques. So, the Department of Zoology under the leadership



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Hearty Welcome to the Aloysian Family



Very Rev. Fr. Mathew Chooravady
(Manager)



Dr. Jochan Joseph
(Principal)



Prof. Mathew Gregory
(Vice Principal)



Fr. Biju Kannadiparayil
(Bursar)

Hearty Congratulations



Hamia Stanny Noronha is awarded with prestigious British Council India Scholarship for doing Master Degree in 'Sustainable Aquaculture' at the **Stirling University in UK**. She is one among the 59 Indian Students who received this fellowship which worth approximately 20 lakhs per year.

Congratulations

The whole Aloysian Family is proud of the meritorius students who bagged MG University Ranks in B.Sc. Zoology (Model II-Aquaculture) Examinations



Anju Ajan
2nd Rank (2016-19 Batch)



Hamia Stanny Noronha
4th Rank (2016-19 Batch)



Athira Jayakumar
1st Rank (2015-18 Batch)

'The Placenta' - Placenta is a vital organ that supports the growth of an embryo and finally assists the birth of a life from the uterus; the place of **darkness** to the world; the place of **light, colours and knowledge**.



Ornamental Fish Hatchery Inaugurated (Continuing from Page 1)



of Zoology Association has started an Ornamental Fish Hatchery Unit in the College to provide personal experience to the needy students to develop them as entrepreneurs in ornamental fishes.

The formal inauguration of the 'Ornamental Fish Hatchery Unit' was done by **Dr. V.S. Basheer, Principal Scientist & Head, National Bureau of Fish Genetic Resources (NBFGR), CMFRI Campus, Kochi** in presence of **Dr. K. Dinesh, Head, Department of Aquaculture, KUFOS, Panangadu** and **Dr. Saban K.V. (Principal), Mr. Sonnel Noronha** (Technical Advisor on Ornamental Fish Breeding), Faculty members and students witnessed the historical moment of the Department on 29-01-2019.



CERTIFICATE COURSE ON "ORNAMENTAL FISH BREEDING & CULTURE"



Though the ecological conditions of Kuttanadu are conducive for fish breeding, especially ornamental fish breeding, many of the interested people couldn't success in this field as they lack scientific knowledge on how to breed and rear ornamental fishes for commercial purpose? Hence, to improve the career prospects of interested student of any discipline, the Department has started a certificate course on "Ornamental Fish Breeding & Culture" in



the year 2018-2019. This course mainly focuses on induced breeding of selected economically important species of ornamental fishes and the students will get hands own training on the most modern techniques of induced breeding. Any person with a genuine interest in fish breeding can join this course. An academic qualification of Plus Two or above is desirable. The Course has a duration of 40 hours which includes 20 hours of Theory, 15 hours of Practical and 5 hours of Group Project. The maximum students strength is limited to 30. **Dr. Tessa Thomas**, Assistant Professor in the Department of Zoology is the Course Coordinator.





The formal inauguration of this course was done by **Dr. V.S. Basheer, Principal Scientist & Head, National Bureau of Fish Genetic Resources (NBFGR), CMFRI Campus, Kochi** on 29-01-2019. **Dr. Shibu George**, HOD of Zoology welcomed the delegates. **Dr.Saban K.V.**, Principal extended the presidential address. **Dr. K. Dinesh, Head, Department of Aquaculture, KUFOS, Panangadu** and **Mr.Sonnell Noronha** (Course Advisor) felicitated the programme. **Dr. Tessa Thomas**, Course Coordinator proposed the vote of thanks. In the first batch, 15 students were enrolled for this programme.



INAUGURATION OF ZOOLOGY ASSOCIATION



The Zoology Association Activities was inaugurated by **Mr. Sunil D Kuruvilla**, Director, Insight Mission, Mavelikkara on 25-01-2019. **Dr. Tessa Thomas**, President of Zoology Association welcomed the gatherings and **Dr. Shibu George**, HOD extended

felicitation and **Kumari Hamia Stannyl Noronha**, Association Secretary proposed vote of thanks. After the inaugural ceremony, **Mr. Sunil D Kuruvilla** took a seminar with a focal theme "The Need for Attaining Life Skills and Life Values."



BRIDGE PROGRAMME FOR CERTIFICATE COURSE



To enhance the knowledge of the students on fish breeding and its culture techniques, a bridge programme was organized for those students who wish to apply for the certificate course on 29-01-2019. The following focal themes were discussed in that programme.

- a) "Biodiversity Conservation & Diversification in Aquaculture". This topic was discussed by **Dr. V.S. Basheer, Principal Scientist & Head, National Bureau of Fish Genetic Resources (NBFGR), CMFRI Campus, Kochi**.
- b) "Potential of Ornamental Fish Culture as a Business Activity". This topic was discussed by **Dr. K. Dinesh, Head, Department of Aquaculture, KUFOS, Panangadu**.

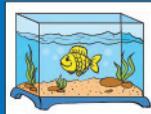


COUNSELLING SESSION



To relieve the stress and tensions of academic as well as personal life, the Department offered a half day Counselling session to the III B.Sc students on 14-02-2019. **Mr. Georgie Alex Oommen**, the College Counselor was the mentor. After an introductory talk on the scope of Counselling, he extended personal counselling to the needy students.

TRAINING CLASS FOR AQUARIUM SETTING



To acquaint students with the procedures of setting up of an aquarium tank, a training session was organized for the I B.Sc students on 05-03-2019. **Mr. Akhiljith K Alappattu**, Aqua Shop, Edathua was the trainer.



BIODIVERSITY SURVEY



Our I B.Sc. students (**Mariya George, Alant Sunny Joseph, Abhishek S and Siya Rose**) participated in the Biodiversity

Assessment Survey organized by the Edathua Grama Panchayath in the first week of October 2018.





RELEASING OF ORNAMENTAL FISHES IN THE GARDEN POND



The Zoology Association of the Department has made an appreciable step to rebuild the Butterfly Garden and its pond which were severely damaged by the flood. Students cleaned the garden and pond, trimmed the garden plants and planted new varieties. Ornamental fishes (Carp varieties) were released in the pond by the College Principal, **Dr.Saban K.V** in presence faculty members and students on 24-01-2019.



BIO FARMING



Our students actively participated in the Bio-farming competition organized by the Bhoomithrasena of the College under the leadership of **Vinay V. Varghese, Vijaykrishnan** and **Abdul Kalam**. They started a new method of vegetable gardening called 'Aquaponics'; an integrated culturing of fishes and vegetables. For that, they constructed a "Padutha Pond" near the Ornamental Fish Hatchery Unit and reared 'Kari fishes'-



BIO FARMING



and vegetables in the pond. Various vegetables like Lady Finger, Cauliflower, Chilly etc were cultivated. Our Department bagged 2nd prize in that competition.



FACULTY CORNER

PERMANENT FACULTY



DR. SHIBU GEORGE
Asst. Professor & HOD



DR. TESSA THOMAS
Asst. Professor



MS. PRIYA V
(Aquaculture)



MS. SRUTHYMOL S
(Zoology)

FACULTY CORNER

GUEST FACULTY

DR. SHIBU GEORGE

SEMINARS/ TRAINING PROGRAMS ATTENDED

1. Two Week Workshop on Research Methodology organized by the College Development Council, M.G. University, Kottayam from 03-12-2018 to 17-12-2018.
2. Two Weeks National Workshop in Interdisciplinary Research Methodology organized by the Research and Development Cell, Sree Sankaracharya University of Sanskrit, Kalady, Kerala from 06-05-2019 to 20-05-2019.

PUBLICATIONS

1. Shibu George and Melvin Joy. Antimicrobial activity of methanolic extract of *Ludwigia parviflora* L. against standard bacterial strains and comparison of its activity with that of standard antibiotics. *Asian J Pharm Clin Res*, 2019; 12(3):430-432.
2. Shibu George. Larvicidal activity of various extracts of selected plants against the Dengue vector larvae. *International Journal of Current Pharmaceutical Review and Research*, 2018; 9(5):67-70.

3. "Elippaniye Pradhirodhikkam" Deepika News Paper; 2018 September 04. Page 06.
4. Prakrathi Duranhangale Ozhivakkankumo?" Deepika News Paper; 2019 August 13. Page 06.

UGC MINOR RESEARCH PROJECT

Dr. Shibu George successfully completed an MRP funded by UGC on the topic 'Larvicidal and Antimicrobial Properties of Selected Plants from Upper Kuttanad; an Ecologically Fragile Area of South India' (Amount Granted was Rs. 2,52500/-).

ACADEMIC POSITIONS IN THE UNIVERSITY/COLLEGE

- Member, Faculty of Science, M.G. University, since 2017
- Member, Board of Studies (UG), Zoology, M.G. University, since 2017
- HOD of Zoology since 2018
- College Union Advisor (2018-19)

DR. TESSA THOMAS

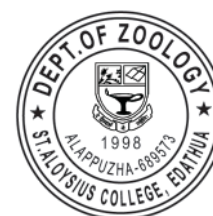
UGC MINOR RESEARCH PROJECT (MRP)

Dr. Tessa Thomas successfully completed a Minor Research Project (MRP) funded by University Grants Commission on the topic 'Biology and distribution of atyid shrimps in the Kuttanad region of Pamba River'

(Amount Granted- Rs. 2,27,000/-)

ACADEMIC POSITIONS IN THE UNIVERSITY/COLLEGE

- IQAC Member
- Bird Club Member





VALEDICTORY FUNCTION OF ZOOLOGY ASSOCIATION AND FAREWELL TO III B.Sc.

The valedictory function of the Zoology Association was organized on 25-02-2019. **Dr. Tessa Thomas**, President of Zoology Association briefed the Association activities of the year 2018-2019. The active student members of the Zoology Association were honoured by giving Certificates. Association Treasurer, **Jerin Easo Varghese** (III B.Sc.) presented the audited account statements of the year 2018-19 and got approval from the members. After the valedictory function, I B.Sc. and II B.Sc. students led the farewell function.



Passing out Ceremony of III B.Sc. ➔



EDITOR'S COMMENT

Editorial



We know that publications like Newsletters are important documents for preserving the past events as immortal and also a means for analyzing the strength and weakness of the past which will help to do better in the present and future. Even after a short break, the Department of Zoology is publishing the 4th Volume of our annual Newsletter- 'The Placenta' to sketch various activities of the academic year 2018-19.

Being a small Department having 76 students (24 in III B.Sc, 28 in II B.Sc & 24 in I B.Sc), an appreciable energy had been utilized by our students for the overall growth of their academic and co-curricular activities in the year 2018-19. Two of our students bagged 2nd and 4th Ranks in the University Examinations, many of them got PG admissions in CUSAT and one student bagged 'British Council India Scholarship' for doing Master Degree at Stirling

University; one of the leading Universities of UK. Perhaps, their active participation in various activities of the Department may have helped them to attain these achievements. Highlighting the achievements of the last year may be an inspiring force for the present batches. Therefore, utmost care has given for incorporating all the positive contributions of the students. Nevertheless, I am not claiming that this Newsletter is totally perfect but it will help us to be perfect in future. Your valuable suggestions and criticism are welcomed.

DR. SHIBU GEORGE
(Editor)



III B.Sc. Zoology (2016-2019 Batch)