

DEPARTMENT OF ZOOLOGY

2020-2021

VTRACK prog of Vimala college

4 II year UG students joined in V-track programme for promoting research aptitude in them

Student placements

II year PG student Silla placed as content curator at MEDPG, Thrissur

(Salary Rs.15,000/- month)

Online courses completed by the students

All UG and PG students completed at least one online courses

DEPARTMENT ACTIVITIES AS DIRECT RESPONSE TO COVID-19

II year UG students prepared a video for spreading the message for taking precaution against Covid-19 pandemic on 23rd April 2020

Organised International webinar on the topic 'Co-Existence-international webinar on covid-19'.

WEBINARS AND ONLINE CONFERENCES ORGANISED BY THE DEPARTMENT

Department organised a **State level webinar** on the topic 'Environmental biochemistry and toxicology' on **6th June 2020** in connection with world environment day celebrations. Resource person: Dr. Vipin P Sivaram , Asst. Professor & HoD, Dept. of Biochemistry, Govt. Arts & Science College Kozhinjampara, Palakkad.



Vimala College (Autonomous), Thrissur
Department of Zoology
organizes state level webinar on
Environmental Biochemistry and Toxicology
as a part of World Environmental Day

06.06.2020
11 am to 12 pm

Resource person:
Dr. Vipin P Sivaram
Assistant Professor & HOD,
Dept. of Biochemistry,
Govt. Arts and Science College,
Kozhinjampara, Palakkad.

Convener
Dr. Honey Sebastian
9744634636

Coordinator
Dr. Indu M S
9496866650

✓ No registration fee
✓ The link for the meeting will be shared to the participants E mail ID
✓ Click on the link for registration
<https://forms.gle/iNeXv32vREsRdvnTA>

Department organised a two day **National webinar series on 29th and 30th June 2020** on the topic ‘Biodiversity conservation’ funded by **DBT-star College**, Ministry of Science and technology, Govt of India. Registered this event in college event registration link—
<https://forms.gle/PMaqs498M9TpBo4g9>

29th June 2020: Dr.Hashim, M, Scientist D, Centre for Marine living resources and ecology, Ministry of Earth Sciences, Govt of India.

Topic: Deep sea fishes-Diversity and Ecology

30th June 2020: Dr.E.A Jayson, Former Senior Principal Scientist and research coordinator,KFRI, Peechi

Topic: Biodiversity of Kerala

Department organised an **International webinar on 5th Sept 2020** on the topic ‘Co-Existence-international webinar on covid-19’.

Botany and Zoology departments organised an International webinar on 9th and 29th Sept 2020 on the topic 'Recent trends in Biological research' funded by DBT-star College, Ministry of Science and technology, Govt of India.

Vimala College (Autonomous) Thrissur

International Webinar series on
Recent Trends in Biological Sciences
By Department of Botany & Zoology
Vimala College (Autonomous), Thrissur
Topic: Brains, Bacteria, and miRNA: Beneficial bacteria and the gut-brain-microbiota axis **Resource Person**

SEP 09 **8.30 am**

Link for registration :
<https://forms.gle/iFoUfkEHoHECF2as5>

Funded by
DBT STAR College Scheme
Department of Biotechnology
Ministry of Science &
Technology,
Government of India

Dr. Clay Carlson
Professor of Biology
Trinity Christian College
Palos Heights, Illinois

National online workshop 'Tools and techniques in biological research' on 6th and 7th October 2020 funded by **DBT-star college scheme.**, Ministry of Science and technology, Govt of India.

Dr.Binsi Pk., Senior Scientist, Central Institute of fisheries technology, Kochi

Dr.Prijaja P, Assistant Professor, Dept of Marine biology, Microbiology and Biotechnology, CUSAT

Dr.KayeenVadakkan- Assistant Director, Marian Centre for Advanced Research, St.Mary's College, Thrissur



Vimala College Autonomous, Thrissur
 Affiliated to the University of Calicut, College with potential for excellence (CPE)
 NAAC Reaccredited (3rd cycle) with A grade with CGPA 3.5



About DBT
 Department of Biotechnology (DBT) under the Ministry of Science and Technology, over the past 30 years, has given a new impetus to the developments in modern biology and biotechnology. The Department of Biotechnology has been supporting undergraduate science education in the country under "Star College Scheme" and there has been considerable change in the scenario of basic science education.

About Star College Scheme
 Star College Scheme has been initiated by DBT in 2008 to support colleges and universities offering undergraduate education to improve science teaching across the country. DBT is committed to the values of (i) Pursuit of excellence (ii) Academic and intellectual freedom (iii) Creativity and innovation (iv) Diversity (v) Cooperation and Communication & (vi) accountability. DBT has therefore, launched a scheme for improving critical thinking and "hands on" experimental work at undergraduate (college) level in sciences. It is expected to encourage more students to take up higher education in science.

About Department of Zoology
 Department of Zoology offers a mesmerizing journey into the fascinating world of animals and their interactions with the environment. It provides students with contemporary, high-quality constructive education in life processes, with emphasis on animal science. The Department came into existence in 1967 under the eminent leadership of Prof. Sr. Secundia. Department focus is on the enhancement of students excellence through their experience of the fundamentals of life processes, which ultimately leads to their progress in the society. Both under graduate and post graduate courses are being offered by the Department, which is facilitated through excellent infrastructure and qualified faculty members. Department has selected under DBT Star College Scheme, Ministry of Science and Technology, Govt of India in 2019-2020

Day 1: 06/10/2020 - 10.00 AM

- **Marine biomolecules: Research directions and future dimensions**
- **Resource Person:** Dr. Binsi P K, Scientist, Fish Processing Division, Central Institute of Fisheries Technology (Govt. of India), Kochi

Day 1: 06/10/2020- 11.00 AM

- **Tools and techniques for sampling and analysis of pollutants in the aquatic ecosystem.**
- **Resource Person:** Dr. Priyaja P, Assistant Professor, Department of Marine Biology, Microbiology and Biochemistry, Cochin University of Science and Technology, Kochi

Day 2: 07/10/2020- 10.00AM

- **Future aspects and applications of novel biotechnological techniques in improvising socio-economical balance.**
- **Resource Person:** Dr. Kayeen Vadakkan, Assistant Director, Marian Centre for Advanced Research, St. Mary's College, Thrissur



Dr. Binsi P K



Dr. Priyaja P



Dr. Kayeen Vadakkan

- ✓ **No registration fee**
- ✓ **E-certificate will be issued after submitting the feedback forms of both the days**

- **Registration Link:** <https://forms.gle/aUE9vwZiBc2DfDdV76>
- **Meeting Link** will be send to the registered Email ID



Department of Zoology
 Organizes Two days National level Online Workshop on
"Tools and Techniques in Biological Research"
 on 6th & 7th October 2020

Funded by DBT-Star College Scheme
 Department of Biotechnology, Ministry of Science & Technology, Government of India

Organizing Committee

Chief Patron: Dr. Sr Beema Jose, Principal
 Coordinator: Dr Honey Sebastian, HoD

Members

Dr Petrisia Joseph, Dr Feebarani John,
 Dr Sheeba P, Sr. Freny Jacob
Student Coordinators

Ms. Albeta Maria J, Ms. Gopika K
 Ms. Kochurani Chacko, Ms. Fathima Nasrin

Contact No. +919744634636

Email: honeysebastian20@gmail.com

DEPARTMENT ASSOCIATION –VIMALA ZOOLOGICAL SOCIETY

All UG and PG students are members of the Vimala Zoological Society. They organise seminars and competitions every year.

INTERCOLLEGIATE ONLINE COMPETITIONS –‘THALASSOPILE’

II year PG students have organised a series of intercollegiate online competitions in connection with ‘World ocean day’ celebrations from May 28th to June 2nd June 2020.

VIMALA COLLEGE (AUTONOMOUS), THRISSUR
DEPARTMENT OF ZOOLOGY

Intercollegiate competition
THALASSOPHILE
Lover of the ocean.

WINNERS

Ocean Conservation Power Point Presentation Competition
 • SILPA RAJAN
 Sree Kerala Varma College, Thrissur

Share Your Memories Contest
 • SNEHA T S
 St. Thomas College (Autonomous), Thrissur

Ocean Conservation Innovative Ideas
 • HELEN VINCENT
 Vimala College (Autonomous), Thrissur

Four Line Poem Competition
 • ANJU.P.S
 School Of Engineering, CUSAT

Poster Making Competition
 • LAYA YESUDAS
 Vimala College (Autonomous), Thrissur

CONGRATULATIONS

THE NEWSLETTER ‘ZOOWALLERIA’

Published by II year PG students in May 2020.

THE JOURNAL CLUB ‘ZOOTOPIA’

A National Level Virtual Scientific Paper Presentation Competition was organized on 9th January 2021 under 3 categories.

Category A: Health and Diseases

Communicable and Life Style Diseases, Cancer Biology, Microbiology

Best Paper Award (Category A): Silpa Prabha was selected as the Best paper Award winner

Category B: Biodiversity and Environment

Terrestrial, Freshwater, Wetland & Marine Biodiversity, Biodiversity Conservation, Environmental Monitoring, Pollution & Toxicology

Best Paper Award (Category B): Vivek Chandran was selected as the Best paper Award winner

Category C: Biotechnology & Pharmacology

Medical and Agricultural Biotechnology, Nanotechnology, Pharmacology

Best Paper Award (Category C): Soumya K C was selected as the best paper Award winner

Series of online quizzes - ‘Zoodiverse’

Quiz in connection with “World mosquito day’ on 20-8-2020

Quiz in connection with “National wildlife ecology day’ on 26-9-2020

Quiz as a part of “Wildlife Week” on 5-10- 2020

Quiz as a part of “National Animal shelter and rescue appreciation week” on 9-11- 2020

Quiz as part of “National Fisheries day’ on 15-11-2020

Quiz as part of “National Bird day’ on 5-1-2021

PRESENTATIONS OF STUDENTS ON A TOPIC OF CURRENT BIOLOGICAL IMPORTANCE 'ZOOERA' (A Series for Bio Enthusiasts)

31-10- 2020

'ZOO ERA'(A Series for Bio Enthusiasts) was organized on through the online platform Google Meet. Two S3 MSc Zoology students, Haritha H, presented a topic on "Autism Spectrum Disorders" and Silla Antony, presented a topic on "Nanotechnology is an emerging field of research and innovation".

1-03-2021: Two final year UG students presented topics

Adithya Girijavallabhan - "Breast cancer-causes and risk factors"

Anvitha Joy - "How endometriosis disrupts women's lives"

Meeting link: <https://meet.google.com/gve-vbwu-xfe>

24-05-2021: Two first year UG students presented topics

Aditi KP – "The amazing world of corals"

Aysha Hyrin Najeeb- "The mystery of sponges"

Meeting link: <https://meet.google.com/bqm-nzye-rxp>

TALKS AND LECTURES ORGANISED BY THE DEPARTMENT

As part of health and wellness programme of the department, two talks were arranged for the students in association with 'Women Development Cell' of the college

Dr.Honey Sebastian delivered a talk on 'Responsible parenthood-with emphasis on Reproductive Health' on 8-03-2021

Smt.Sangeetha, medical professional, delivered a talk on "Breast cancer-early detection"

RESEARCH PROJECT PRESENTATION BY PG STUDENTS- 'ZOO RESEARCH'

5th June 2021: Eleven 4th sem PG students presented their project before a committee of research guides and other faculty members of the dept.

Meet link-<https://meet.google.com/uut-ixzj-xyn>

COLLABORATIONS/LINKAGES

Marian Centre for Advanced Research, St.Mary's College, Thrissur- For doing PG projects (With MoU)

Kerala State horticultural products development corporation, Mavelikkara, Alappuzha- for conducting value addition course for II year UG students in 'Apiculture'

Kerala State Museum and Zoo, Chembukavu, Thrissur for conducting internship and projects for the students (with MoU)

Central Plantation and Crop Research Institute (ICAR,Govt. Of India), Kasargod (with with functional MoU)

STUDENT ORGANISED WEBINAR 'SYNERGY 2020'

UG Student organised webinar 'Synergy 2020' series 1

12-10-2020: Dr.Usha V Parameswaran, Project Scientist B, CMLRE, Ministry of Earth Sciences, Govt. of India, Kochi, was the resource person on the topic: Taxonomy and Diversity of Echinoderms in Indian waters

Dr.Naveen Sathyan, Technical Assistant, School of Biology,IISER, Trivandrum was the resource person on the topic " Basic tools and Techniques in Molecular Biology"

PG Student organised webinar 'Synergy 2020' series 2

21-12-2020 : Rithin Joseph, Young professional, CIFT, Govt.of India, Kochi, was the resource person on the topic "Mammals of India"

Dr.SreeRanjima G, Project Scientist B, CMLRE, Govt of India, Kochi, was the resource person on the topic "Diversity of marine Zooplankton"

Dr.Aiswarya Gopal, Project Scientist B , CMLRE, Govt of India, Kochi, was the resource person on the topic "An introduction to marine benthos"

STUDENT ORGANISED DAY CELEBRATIONS

15-11-2020

Observance of 'Hiroshima Nagasaki day' under 'Science for Peace' banner- done by II year PG students.You Tube link - <https://youtu.be/-saXAroCDQY>

20-03-2021.

I year UG students prepared a video highlighting the care and concern we should extend towards the birds of our locality in connection with the observance of 'World sparrow day'. They bring forth the requisite to safeguard and ensure a healthy habitat for sparrows.

<https://mail.google.com/mail/u/0?ui=2&ik=94be8dadc7&attid=0.1&permmsgid=msg-ar:3418536713308841154&th=1799768f1bba530f&view=att&disp=safe&realattid=1799761460c977ff71b1>

You Tube link: <https://youtu.be/Nz3bMA-HH1A-Sparrow>

21-03-2021

I year PG students prepared a video presentation to convey the message of conservation of forest and biodiversity in connection with the observance of 'World forest day'

<https://drive.google.com/file/d/1BkjB2UvjYeceR8c4c18b0okk-OtmXvgb/view?usp=drivesdk>

You Tube link- <https://youtu.be/vdUFzERkpz8>

22-03- 2021

II year UG students prepared a video presentation to convey the message of conservation of water and water sources in connection with the observance of 'World water day'

You Tube link- <https://youtu.be/gKu2X2-tUkw>

23-03- 2021

I year Pg students prepared a video presentation to depict the awareness about the climate change and its mitigation measures in connection with the observance of 'World metrological day'

<https://drive.google.com/file/d/1YW2BcBuNCyOO6Kpyc2wqgl9g0ZIsQMDs/view?usp=drivesdk>

You Tube link - <https://youtu.be/AMzLoEUXD0g>

22-05- 2021

III year UG students prepared a video presentation to depict the awareness about the importance of biodiversity conservation in connection with the observance of 'International biodiversity day'

<https://mail.google.com/mail/u/0?ui=2&ik=94be8dacd7&attid=0.1&permmsgid=msg-a:r:3229470945208818570&th=1798fb2159d87404&view=att&disp=safe&realattid=1798fb161139158e3d81>

You Tube link- <https://youtu.be/UtViAWcLnxw>

STUDENT INTERNSHIP PROGRAMME IN ASSOCIATION WITH STATE ZOO AND MUSEUM, THRISSUR

The eco-biological details of the animals kept in the Thrissur Zoo was collected by UG and PG students as a part of their internship programme. They visited the Zoo and a review article was prepared about the 54 animals (Reptiles, Birds and Mammals) which are maintained within the facility. The articles prepared by the students are compiled and published as a hand book '**ZOO FABLE**' with ISBN. The book is of value to relevant the stakeholders including zoo visitors, zoological professionals and animal activists and it can raise awareness of the ecological needs of animals that should be addressed by the Zoo management association and for public awareness.

E- MAGAZINE

Second year BSc Zoology students prepared an e magazine including their literary and artistic work. <https://online.fliphtml5.com/wktve/aclt/?1617880530691#p=1>