# **DEPARTMENT OF ZOOLOGY**

## <u>2020-2021</u>

# 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 23<sup>rd</sup>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 **6<sup>th</sup> 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.



Department organised a two day National webinar series on 29<sup>th</sup> and 30<sup>th</sup> 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/PMaqs498M9TpB04g9



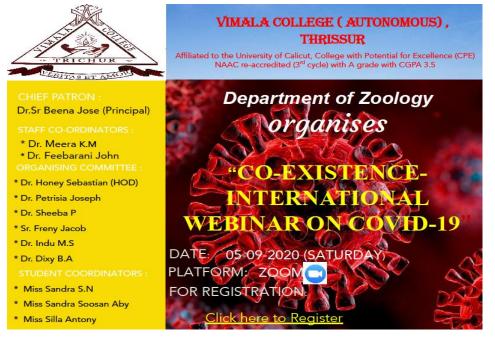
29<sup>th</sup> June 2020: Dr.Hashim, M, Scientist D, Centre for Marine living resources and ecology, Ministry of Earth Sciences, Govt of India.

Topic: Deep sea fishes-Diversity and Ecology

30<sup>th</sup> 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 5<sup>th</sup> Sept 2020 on the topic 'Co-Existence-international webinar on covid-19'.



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

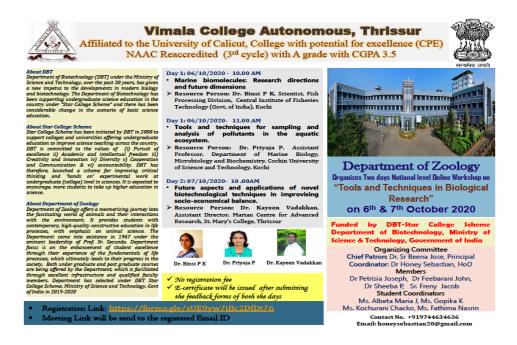


**National online workshop** 'Tools and techniques in biological research' on 6<sup>th</sup> and 7<sup>th</sup> October 2020 funded by **DBT-star college scheme**., Ministry of Science and technology, Govt of India.

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



# 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  $28^{th}$  to June  $2^{nd}$  June 2020.



## 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'**

 $5^{\text{th}}$  June 2021: Eleven  $4^{\text{th}}$  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 Reaseach 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 Echinodernms in Indain 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.SreeRenjima 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 Nagasakhi 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=94be8dacd7&attid=0.1&permmsgid=msga:r3418536713308841154&th=1799768f1bba530f&view=att&disp=safe&realattid=1799761460c977 ff71b1 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 YouTube 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'

YouTube 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=dri vesdk

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:r3229470945208818570&th=1798fb2159d87404&view=att&disp=safe&realattid=1798fb1 61139158e3d81

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