



BIODIVERSITY CLUB

**(ACADEMIC YEAR
2022-2023)**

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INTERNSHIP PROGRAMME

About the Programme

A 6-day Student Internship Programme conducted during 13th December 2022 to 19th December 2022 was organized by FECER (Foundation for Environmental Conservation, Education and Research) collaborated with Biodiversity Club and Department of Botany, Christ College (Autonomous), Irinjalakuda. The programme included expert talks on diversity of animals, hands-on-training on GIS and one day field visit to wildlife sanctuary.

Programme Brochure

INTERNSHIP PROGRAM FOR COLLEGE STUDENTS



Christ College (Autonomous)
Irinjalakuda



Program coordinators

Dr. R Soumya
Assistant professor (ad-hoc)
Department of Botany

Dr. Bijoy C
Assistant professor and
Coordinator Biodiversity Club

13 | 14 | 15 | 16 | 17 & 19 December 2022

Registration: <https://forms.gle/yV2h5WXP0aqWynz7>



**FOUNDATION FOR ENVIRONMENTAL CONSERVATION,
EDUCATION AND RESEARCH**

VI/381 | Korath Lane | East Fort | Thrissur | Kerala-680 005 | India
Contact: +91 8714968281, E-mail: fecerkerala@gmail.com | www.fecer.org



Let's uphold the interconnectedness of Life on this planet. Nothing is isolated and everything has an impact on everything else. Remember Our environment isn't merely the air we breathe. What we invest, will come back to us. Sunlight, air, water, soil, elements, minerals, bacteria and all other living creatures are together keep this conducive environment - without whom the ecosystem balance would be broken. We don't inherit the earth from our ancestors, we borrow it from our children. Let's do something, and do what you think is necessary and important for our nature.

Our evermore menacing impact on the environment affects the climate system and in turn, the climate dictates where and how species can survive. Article 21 of Indian constitution assures the fundamental right to life, right to the environment, free of the threat of disease and infection. Right to the healthy environment is an important attribute of a right to live with human self-esteem.

FOUNDATION FOR ENVIRONMENTAL CONSERVATION, EDUCATION AND RESEARCH *Internship program for college students*

Throb of Nature: The Forest Ecosystem

Day 1

13-12-2022

► A Knowledge Journey Through Forest

- How do forests form: Environmental factors and succession
- Journey through World Forest
- Journey through Indian Forest
- Journey through Kerala Forest
- Value of forest

Day 2

14-12-2022

► Diversity and species richness of avifauna in tropical rainforests

- The role of birds in forest ecosystems
- The effect of deforestation on the bird population
- The consequences of climatic variations in their species richness

Day 3

15-12-2022

► Reptiles of Kerala

- Evolution of reptiles
- Communication skills of reptiles
- Diversity of reptiles in Kerala
- Various threats to the reptiles

Day 4

16-12-2022

► Introduction to Ecological Niche Modelling

- Introduction to Geoinformation technology
- Environmental variables
- Free and open-source GIS and habitat modelling software Training

Day 5

17-12-2022

► Field visit

- Peechi – Vazhani Wildlife sanctuary
- Practical session on ecological niche modelling

Day 6

19-12-2022

► Forest Health - A discussion in light of pest and invasive species

- The science of plant pest communication
- History of pest control - a basic timeline
- Some major pests of Kerala Forest
- Forest habitat invasion - Who with whom? Where and Why?

Valedictory function

Programme Report

A 6-day Internship programme(13 December 2022 to 19 December 2022) was conducted by FECER(Foundation for Environmental Conservation, Education and Research) collaborated with Biodiversity Club and Dept. of Botany, Christ College (Autonomous), Irinjalakuda. The programme was inaugurated by Rev.Fr. Jolly Andrews CMI, Principal and felicitated by Rev. Fr. Joy P. T., Vice-principal and Prof. E. J. Vincent, coo-ordinator, P. G. Botany. The programme was coordinated by Dr. R. Soumya, Assistant Professor (Ad-hoc) and Head, Department of Zoology and Dr. Bijoy C., Assistant Professor, Department of Zoology and Coordinator of Biodiversity club with the active co-operation of student coordinators and Biodiversity Club.

Internship Programme provided great opportunity for the 51 registered Biodiversity club members to explore something interesting about "*ThrobeatofNature: TheForestEcosystem*".

6 Days Program Schedules are in the following:

Day 1(13/12/2022): '*AKnowledgeJourneythroughForest*'.

Dr. ALEX C. J., Asst.Manager, ICLEI,South Asia.

The talk was about the journey through the forests of different zoogeographical realms and about the forests of India and Kerala.

Day 2(14/12/2022): '*ForestBirdsofKerala*'

Mr. SREEDEV PUTHUR, Biology Head Faculty, Manappuram Academy of Entrance Coaching.

The talk was about the common birds encountered in our backyards.

Day 3(15/12/2022):'*AmphibiansandReptilesOfKerala*'.

Dr. SANDEEP DAS, Asst. Prof. (Ad-hoc),St.Joseph College, Irinjalakuda.

The talk detailed about the amphibians and reptiles of India and Kerala.

Day 4(16/12/2022):'*Introduction to Ecological Niche Modelling*'.

Dr. ALEX C. J., Asst. Manager, ICLEI, South Asia.

This was a hands-on interactive session to introduce the basics of GIS and the software Q-GIS.

Day(17/12/2022): *Field Visit to Peechi Vazhani Wildlife Sanctuary and also a Practical Session on Ecological Niche Modelling.*

A field session was conducted in Peechi-Vazhani Wildlife sanctuary for the whole day in which students are guided through the forest and they were asked to record the geocoordinates of two tree species, *Xylocarpus* and *Terminalia bellarica*.

Day 6(19/12/2022): '*Forest Health - A Discussion in Light of Past and Invasive Species*'.

Dr. BINDU K. JOSE, Asst. Prof. (Ad-hoc), Dept. of Zoology, Vimala College, Thrissur.

This session focused more on the invasive insect species and their control.

The 6-Day' Internship Programme ended with the vote of thanks and feedback session of Biodiversity Club Members. Participants were provided with the certificates.

PHOTO



Day 1: Inaugural session by Principal Dr. Fr. Jolly Andrews



Day 1: Session by Dr. Alex C. J. on forests of world



Day 2: Session by Mr. SreedevPuthur on birds of Kerala



Day 3: Session by Dr. Sandeep Das on Reptiles



Day 4: Hands-on Session by Dr. Alex C. J. on Niche modelling



Day 5: Field training at Peechi Wildlife Sanctuary



Day 6: Session by Dr. Bindu K Jose on forest pests



Group photo

CERTIFICATE

INTERNSHIP *Certificate*

This is to certify that *Ms. Themeema Musthafa*, I BSc Geology, Christ College (Autonomous) Irinjalakuda, has successfully completed work as an intern at 6 day internship programme entitled “*Throb of Nature: The Forest Ecosystem*” organized by **Foundation of Environmental Conservation, Education and Research (FECER)** in association with **Department of Botany and Biodiversity Club, Christ College (Autonomous), Irinjalakuda** during 13th to 19th December 2022.


Dr. Alex C J

Programme Coordinators | FECER


Dr. Bindu K Jose

Assistant Professor (Adhoc)
Department of Botany | Christ College


Dr. R Soumya

Coordinator | Biodiversity Club
Christ College


Dr. Bijoy C


Rev. Fr. Dr. Jolly Andrews CMI
Principal | Christ College

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E-mail: fecerkerala@gmail.com | www.fecer.org



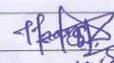
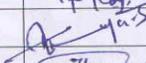
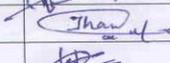
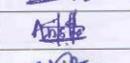
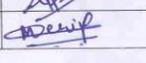
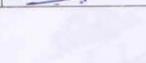
List of Participants

Christ FECER Internship – 13th to 19th December 2022

Attendance

Day 1 (13th December 2022) – A knowledge journey through forest

Resource person – Dr. Alex C J

Sl no	Name of the student	Class	Signature
1.	Nandanakrishna M S	I BSc Chemistry	
2.	Thara Remesh	I BSc Geology	
3.	Aiswarya S	I BSc Geology	
4.	Themeema Musthafa	I BSc Geology	
5.	Varada.K.Das	I BSc Zoology	
6.	Poornima PP	I BSc Zoology	
7.	Malathy P	I BSc Zoology	
8.	Janna Fathima PK	I BSc Zoology	
9.	Alok Krishna	I BSc Zoology	
10.	Akash PD	I BSc Zoology	
11.	Basudev ER	I BSc Zoology	
12.	Aysha ummer	I BSc Zoology	
13.	Shiza Abdul Jabbar	I BSc Zoology	
14.	Drisya Nambiar	I BSc Zoology	
15.	Ayan V Thaj	I BSc Zoology	
16.	Akhil Murali	I BSc Zoology	
17.	Anjali K Unnikrishnan	I BSc Zoology	
18.	Saina M Shaji	I BSc Zoology	
19.	Jincy.R	I BSc Zoology	
20.	Vismaya P M	I MSc Botany	
21.	Meeval Alphonsa T Paulson	I MSc Botany	
22.	Merin Thomas	I MSc Botany	

23.	MEBIN C M	I MSc Botany	<i>Mebin</i>
24.	Nefla Muhamed	I MSc Zoology	
25.	Anjali.M.S	II BSc Zoology	
26.	Anjoe Shaiju	II BSc Zoology	<i>Anjoe</i>
27.	Niharika	II BSc Zoology	<i>Niharika</i>
28.	AAFIYA AZEES	II BSc Zoology	<i>Aafiya</i>
29.	NIKHITHA P S	II BSc Zoology	<i>Nikhitha</i>
30.	Diya PS	II BSc Zoology	<i>Diya</i>
31.	Anagha Arun	II BSc Zoology	<i>Anagha</i>
32.	Abhinav Krishna P V	II BSc Zoology	<i>Abhinav</i>
33.	Mithralmajan PT	II BSc Zoology	<i>Mithralmajan</i>
34.	Giyanna Rose S	II BSc Zoology	<i>Giyanna</i>
35.	Blessy K Biju	II BSc Zoology	<i>Blessy</i>
36.	Grace Maria Paulson	II BSc Zoology	<i>Grace</i>
37.	KEERTHANA K	II BSc Zoology	
38.	Sandra K Shaju	II BSc Zoology	<i>Sandra</i>
39.	Aleena Joseph	II MSc Botany	<i>Aleena</i>
40.	Albin jose	II MSc Botany	<i>Albin</i>
41.	Naziya k	II MSc Botany	<i>Naziya</i>
42.	Arshal Sebastian Saiza	II MSc Botany	<i>Arshal</i>
43.	Akhila S	II MSc Botany	<i>Akhila</i>
44.	Faseeh k	II MSc Botany	<i>Faseeh</i>
45.	Jithin Jose	II MSc Zoology	<i>Jithin</i>
46.	Augnes Jose	II MSc Zoology	<i>Augnes</i>
47.	DEVIKA SURENDRAN T	II MSc Zoology	<i>Devika</i>
48.	Jesna Maria	II MSc Zoology	<i>Jesna</i>
49.	MARIYA ROSE DAVIS	II MSc Zoology	<i>Mariya</i>
50.	Greeshma T S	II MSc Zoology	<i>Greeshma</i>

51. Revathy C C
 52. Cherie Joby

I BSc Zoology
 II BSc Zoology
 II BSc Physics

Christ FECER Internship – 13th to 19th December 2022

Attendance

Day 2 (14th December 2022) – Diversity and species richness of avifauna in tropical rainforests

Resource person – Sreedev P

Sl no	Name of the student	Class	Signature
1.	Nandanakrishna M S	I BSc Chemistry	
2.	Thara Remesh	I BSc Geology	
3.	Aiswarya S	I BSc Geology	
4.	Themeema Musthafa	I BSc Geology	
5.	Varada.K.Das	I BSc Zoology	
6.	Poornima PP	I BSc Zoology	
7.	Malathy P	I BSc Zoology	
8.	Janna Fathima PK	I BSc Zoology	
9.	Alok Krishna	I BSc Zoology	
10.	Akash PD	I BSc Zoology	
11.	Basudev ER	I BSc Zoology	
12.	Aysha ummer	I BSc Zoology	
13.	Shiza Abdul Jabbar	I BSc Zoology	
14.	Drisya Nambiar	I BSc Zoology	
15.	Ayan V Thaj	I BSc Zoology	
16.	Akhil Murali	I BSc Zoology	
17.	Anjali K Unnikrishnan	I BSc Zoology	
18.	Saina M Shaji	I BSc Zoology	
19.	Jincy.R	I BSc Zoology	
20.	Revathy CU	I BSc Zoology	
21.	Vismaya P M	I MSc Botany	
22.	Meeval Alphonsa T Paulson	I MSc Botany	
23.	Merin Thomas	I MSc Botany	
24.	MEBIN C M	I MSc Botany	

25.	Cherie joby	II BSc Physics	<i>Cherie</i>
26.	Anjali.M.S	II BSc Zoology	
27.	Anjoe Shaiju	II BSc Zoology	<i>Anjoe Shaiju</i>
28.	Niharika	II BSc Zoology	<i>NIHARIKA</i>
29.	AAFIYA AZEES	II BSc Zoology	<i>Aafiya</i>
30.	NIKHITHA P S	II BSc Zoology	<i>Nikhitha</i>
31.	Diya PS	II BSc Zoology	<i>Diya</i>
32.	Anagha Arun	II BSc Zoology	<i>Anagha</i>
33.	Abhinav Krishna P V	II BSc Zoology	<i>Abhinav</i>
34.	Mithralmajan PT	II BSc Zoology	<i>Mithralmajan</i>
35.	Giyanna Rose S	II BSc Zoology	<i>Giyanna</i>
36.	Blessy K Biju	II BSc Zoology	<i>Blessy</i>
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43.	Arshal Sebastian Saiza	II MSc Botany	<i>Arshal Saiza</i>
44.	Akhila S	II MSc Botany	
45.	Faseeh k	II MSc Botany	<i>Faseeh</i>
46.	Sneha c j	II MSc Botany	<i>Sneha</i>
47.	AISWARYA RAMESH	II MSc Botany	<i>Aiswarya</i>
48.	Jithin Jose	II MSc Zoology	<i>Jithin</i>
49.	Augnes Jose	II MSc Zoology	<i>Augnes</i>
50.	DEVIKA SURENDRAN T	II MSc Zoology	<i>Devika</i>
51.	Jesna Maria	II MSc Zoology	<i>Jesna</i>
52.	MARIYA ROSE DAVIS	II MSc Zoology	<i>Mariya</i>
53.	Greeshma T S	II MSc Zoology	<i>Greeshma</i>

54. Sreepriya M V

I BSc Zoology

Sreepriya M V

Outcomes

1. Students got a picture about the various types of forest ecosystems of the world and its value.
2. Students came to know about the diversity of birds and reptiles of our nation.
3. Students` got an idea about the geocoordinates and ecological niche modelling.
4. Forest visit gave the students insight about the application of niche modelling and its importance in biodiversity conservation.

DRAGON CORNER

DEPARTMENT OF ZOOLOGY

ACTIVITY REPORT

NO:2022-23/ZOO/Biodiv_1

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Report

Dragon corner is a novel initiative of Christ College (Autonomous), Irinjalakuda to create awareness among students about the life cycle and behaviour of dragonflies and damselflies which is under construction. Dragonflies and damselflies belong to an Insect order Odonata which relies on freshwater habitats for completing their immature stages called naiads. The insect undergoes metamorphosis and the naiads emerge as the beautiful flying dragons and damsels. Dragon corner will provide ideal habitats for dragons and damsels to complete their immature life stage. Installed display boards will be helpful for the students to understand the aquatic-terrestrial mode of life stages of the odonates. Dragon corner will be opening shortly in 2022 as a joint venture of Biodiversity club and Department of Zoology.

DRAGON CORNER



Inauguration



Dr. Fr. Jolly Andrews CMI
Principal

Date and Time

25th August 2022
(Thursday)
02:45 pm

All are cordially invited

**Department of Zoology and
Biodiversity club**



CHRIST
COLLEGE (AUTONOMOUS)
IRINJALAKUDA, KERALA

PHOTOS



Inaugural address
by Principal Dr. Fr.
Jolly Andrews



Release of larvae of Dragon flies by
Principal Dr. Fr. Jolly Andrews



Release of larvae of Dragon flies by Vice principal Fr. Joy P. T.

Outcomes

1. Students will know the importance of conservation of ecologically important insects like Dragon flies and Damsel flies
2. It will help the students to get awareness about the life cycle of dragon flies and damsel flies

NATIONAL SEMINAR

DEPARTMENT OF BOTANY AND ZOOLOGY

Report

Invasion by alien species is of a major concern in maintaining the biodiversity and richness of our natural forested landscapes and ecosystem. To create awareness and to interact with experts in the field, department of Botany and Zoology in association with Biodiversity club, Christ College (Autonomous), Irinjalakuda jointly conducted a two day national seminar entitled “Recent trends in Floral and Faunal Invasion in Kerala” on 8th and 9th February 2023 as an apart of World Wetland Day 2023. The programme was conducted in co sponsorship with Kerala State Council for Science Technology and Environment (KSCSTE) and Kerala State Biodiversity Board (KSBB). Dr. T V Sajeev, Chief Scientist and Registrar-in-charge, KSCSTE – Kerala Forest Research Institute delivered the Keynote address of the seminar. He shared his on field experience in working with invasive species, the success and failures he came across in these years of research. Dr. Maneetha T K, Assistant Professor and Head, Department of Zoology, Mahatma Gandhi Memorial College, Udupi, Karnataka, Dr. C P Shaji, Conservation biologist, Malabar Natural History Society, Calicut, Dr. Prashant Narayanan S, Research Associate, Advanced Centre for Environmental studies and Sustainable development, Mahatma Gandhi University, Kottayam, Mr. Ranjith C R, Beat Forest Officer, Chimmony wildlife sanctuary, Peechi wildlife division and Dr. R Soumya, Assistant Professor (Adhoc), Department of Botany, Christ College (Autonomous), Irinjalakuda as the other resource persons for the programme. They enlightened the audience with the different invasive fishes, invasive earthworms and invasive flora of Kerala and the threat they are causing to the ecosystem of the state. The infestation by *Lantana camara*, *Chromolaena odorata* and *Achatina fulica* in Kerala were discussed in detail by the resource persons. Research papers by research scholars and students were also invited to which 17 abstracts were received and 15 students participated in the oral presentation. The best oral presentation was awarded with a certificate and memento. There were more than 100 participants for the programme. A book of abstracts was distributed among the participants. The seminar published a proceeding with ISBN number including the full research paper of the oral presentation. Prof. E. J. Vincent, Coordinator, PG Botany and Dr Sudhikumar A. V., Head, Department of Zoology were the coordinators of the programme. Dr. Bijoy C. and Dr. R Soumya were the convener and organizing secretary of the seminar respectively.



CHRIST
COLLEGE (AUTONOMOUS)
IRINJALAKUDA, KERALA

National Seminar on
**RECENT TRENDS IN FLORAL AND
FAUNAL INVASION IN KERALA**

In connection with
World Wetland Day 2023

Organized by:
Department of Zoology and Department of Botany

In association with
Biodiversity Club

Christ College (Autonomous), Irinjalakuda
Reaccredited by NAAC with Grade 'A++'

 Date : 8th & 9th February, 2023
Venue: Fr. Jose Thekkan AC Seminar Hall, Christ College

Co-sponsored by
Kerala State Council for Science Technology & Environment (KSCSTE)
&
Kerala State Biodiversity board (KSBB)



IMPORTANT DATES

January 30th, 2023: Last date of Abstract submission

February 4th, 2023: Acceptance of abstract

February 6th, 2023: Last date for registration

[Registration and payment through the given link](#)

CLICK HERE TO REGISTER 

Organizing Committee

Patron: Dr. Fr. Jolly Andrews CMI
Principal

Co-ordinators: Prof. E. J. Vincent
Coordinator, PG Botany
Dr. Sudhikumar A. V.
HOD and Assistant Professor, Department of Zoology

Convenor: Dr. Bijoy C.
Assistant Professor, Department of Zoology

Organizing Secretary: Dr. R. Soumya
Assistant Professor (Ad Hoc), Department of Botany

Committee members:

Mr. Febin Francis, *Thrissur District co-ordinator, Kerala State Biodiversity Board*
Dr. Leyon Varghese, *Assistant Professor, Department of Zoology*
Dr. Abhilash Peter, *Assistant Professor, Department of Zoology*
Dr. Sr. Dilla Jose, *Assistant Professor, Department of Zoology*
Dr. Sumesh N V., *Assistant Professor (Ad Hoc), Department of Zoology*
Prof. Jacob Abraham Pulikkal, *Associate Professor, Department of Botany*
Dr. C. J. Mani, *Visiting Professor, Department of Botany*
Ms. Sweety M. S., *Assistant Professor (Ad Hoc), Department of Botany*
Ms. Sabeena A. M., *Assistant Professor (Ad Hoc), Department of Botany*
Ms. Sreelakshmi V. V., *Assistant Professor (Ad Hoc), Department of Botany*

National Advisory Committee

Dr. T. V. Sajeev, *Registrar-in-charge, Sr. Principal Scientist, Head of Forest Health Division, KSCSTE-KFRI, Peechi, Kerala*
Dr. Maneetha T. K., *Assistant professor & HOD, Department of Zoology, M.G.M.College, Udipi*
Dr. R. Soumya, *Assistant Professor, Department of Botany*

Communication and Contact:

Dr. R. Soumya (*Organizing Secretary*)
Department of Botany, Christ College,
Irinjalakuda, Kerala - 680 125
E mail: invasionbiological@gmail.com
Mob: 9947712012

Registration Fee

Students (UG/PG) : ₹ 100
Research Scholars : ₹ 200
Faculty/Scientists : ₹ 500
Mode of payment : Online

About College

Christ College (Autonomous), Irinjalakuda is a premier educational institution established in 1956. Ours is an ecofriendly campus which has been honoured by the Government of Kerala by awarding the 'Energy Conservation Award' in 2011, 'Biodiversity Award' in 2012 and recently 'Green Campus Award' by University of Calicut. The College is affiliated to University of Calicut and reaccredited with 'A++' grade by NAAC in the fourth cycle. The college offers 31 degree, 19 Masters and 6 Ph.D. programmes in various disciplines. The campus is vibrant with teaching and research activities.

About the seminar

Biological invasion is the introduction of a species, purposeful or accidental, outside its native region to alien habitat through human interference and thereby causing ecological and economic impact in the infested area. The major impacts include biodiversity loss, homogeneity in species composition, competition with native species, dominating and replacing the natives, production of secondary metabolites, etc. Likewise in other parts of the world, many invasive floral and faunal species have successfully gained their access to Kerala causing high ecological and economic impact. The seminar will focus on the important aspects of biological invasion, its ecological and economic impact, the detailed glance on selected invasive species in Kerala. The knowledge about the various invasive species will become fruitful if a successful management protocol can be implemented. As a take away, the seminar will assist in successful implementation of effective management and restoration protocols.

Abstract Submission (Guidelines to the contributors)

Participants (researchers, teachers and students) are invited to submit abstracts about various aspects of biological invasion for oral presentation in MS word format, not exceeding 400 words including Title, Author(s), Affiliation and Email address (font size 12, Times New Roman, 1.5 line spacing). Abstracts should be sent through email invasionbiological@gmail.com on or before January 30, 2023. Intimation of acceptance will be communicated by email on or before February 04, 2023.

Oral Presentation:

The first author only is allowed for an oral presentation for a maximum of 7 minutes and 3 minutes for discussion. Certificate and memento will be awarded for the best presentation.

PROGRAMME

DAY 1: 08-02-2023 (Wednesday)

09.30 am: Registration

10.00 am: Inauguration

Keynote Address (10:30 am to 11:30 am):

Dr. T. V. Sajeev, Registrar-in-charge, Chief Scientist, Head of Forest Health Division, KSCSTE-KFRI, Peechi, Kerala.

Topic : **“My trust with biological invasions : failures and lessons learnt”**

11.30 am - 11.45 am : Tea break

Technical Session 1

11.45 am - 01.15 pm

Invited talk : **Dr. C. P. Shaji**

Conservation Biologist, Malabar Natural History Society, Calicut.

Topic: **“Natural history of invasive and exotic fishes”**

01.15 pm - 02.00 pm: Lunch break

Technical Session 2

02.00 pm - 03.15 pm

Invited Talk: **Dr. Prasanth Narayanan S.**

*Research Associate Advanced Centre of Environmental Studies and Sustainable Development,
Mahatma Gandhi University, Kottayam*

Topic: **“Are alien earthworms a threat to native species?”**

03.15 pm - 03.30 pm: Tea break

03.30 pm - 04.30 pm: Oral presentation Session 1



RECENT TRENDS IN FLORAL AND FAUNAL INVASION IN KERALA

DAY 2: 09-02-2023 (Thursday)

Technical Session 3

10.00 am - 11.15 am

Invited talk : **Dr. Maneetha T. K.**

Assistant professor & HOD, Department of Zoology, M.G.M.College, Udupi,

Topic: ***“A tale of Giant African Snail: Introduction, Spread and Management in Kerala”***

11.15 am - 11.30 am: Tea break

11.30 am - 01.00pm

Invited talk : **Mr. Ranjith C. R.**

Beat Forest Officer, Chimmony Forest Station, Chimmony Wildlife Sanctuary, Peechi Wildlife Division

Topic: ***“Alien Invasive Plants and their impact on Forest Ecosystem”***

01.00 pm – 02.00 pm: Lunch break

Technical Session 4

02.00 pm - 03.15 pm

Invited Talk : **Dr. R. Soumya**

Assistant Professor (Adhoc), Department of Botany, Christ College (Autonomous) Irlinjalakuda

Topic: ***“Political Ecology of Biological Invasion in Kerala – Case studies of Lantana camara and Chromolaena odorata”***

03.15 pm - 03.30 pm: Tea break

03.30 pm - 04.30 pm: Oral presentation Session 2

04:30 pm : Distribution of Certificates and Valedictory function





CHRIST
COLLEGE (AUTONOMOUS)
IRINJALAKUDA, KERALA
Reaccredited by NAAC with Grade 'A++'

**NATIONAL SEMINAR ON
RECENT TRENDS IN FLORAL AND FAUNAL INVASION
IN KERALA**

February 8-9, 2023

INAUGURAL SESSION

- Prayer : Ms Shreya
- Welcome address : Prof E J Vincent,
Coordinator, National Seminar
- Presidential address : Dr. Fr. Jolly Andrews CMI,
Principal, Christ College (Autonomous), Irinjalakuda
- Inaugural address : Dr. T. V. Sajeev,
Registrar-in-charge and Chief Scientist, KSCSTE - KFRI
- Introduction about Kerala State Biodiversity Board : Mr. Febin Francis,
Thrissur District Coordinator,
Kerala State Biodiversity Board
- Felicitation : Fr. Joy P. T. CMI,
Vice principal, Christ College (Autonomous), Irinjalakuda
- Felicitation : Dr. Shinto K. G.,
IQAC Coordinator
- Vote of Thanks : Dr. Sudhikumar A.V.,
Coordinator, National Seminar

Certificate



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CERTIFICATE

This is to certify that

Dr./Prof./Mr./Ms.....

of.....

has delivered an invited talk / oral presentation / member of organizing committee / participated in

National seminar on 'RECENT TRENDS IN FLORAL AND FAUNAL INVASION IN KERALA'

organised jointly by Department of Zoology and Department of Botany,

in association with Biodiversity Club, Christ college (Autonomous), Irinjalakuda co-sponsored by Kerala State Council for Science Technology & Environment (KSCSTE) & Kerala State Biodiversity board (KSBB)

on 8th & 9th February, 2023.

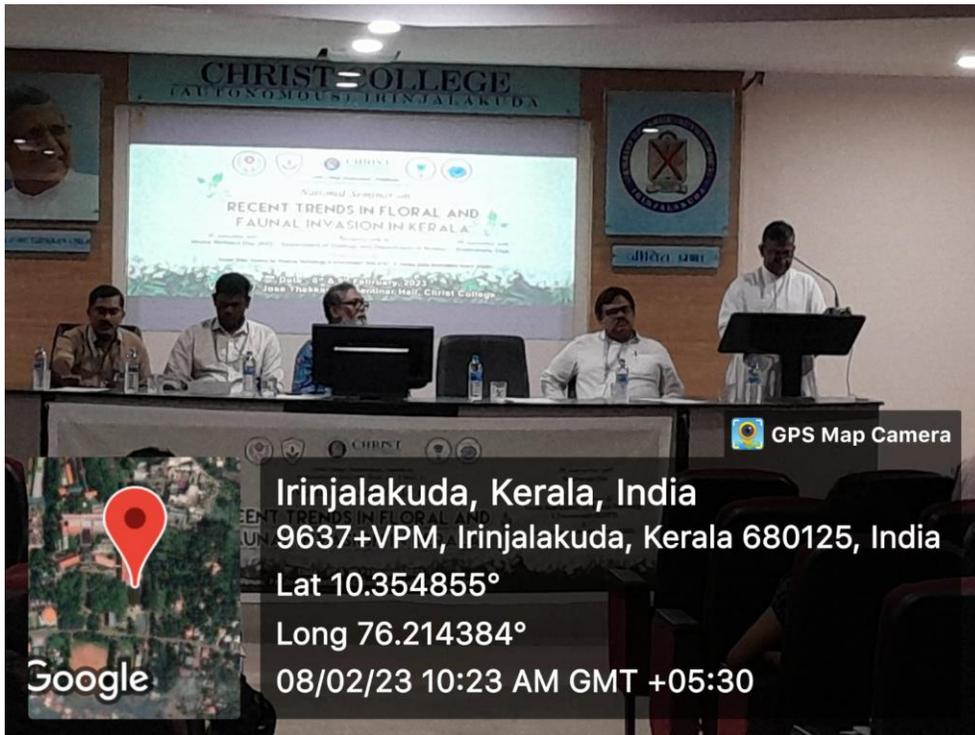
Dr. R. Soumya
Organising secretary

Dr. Bijoy C.
Convener

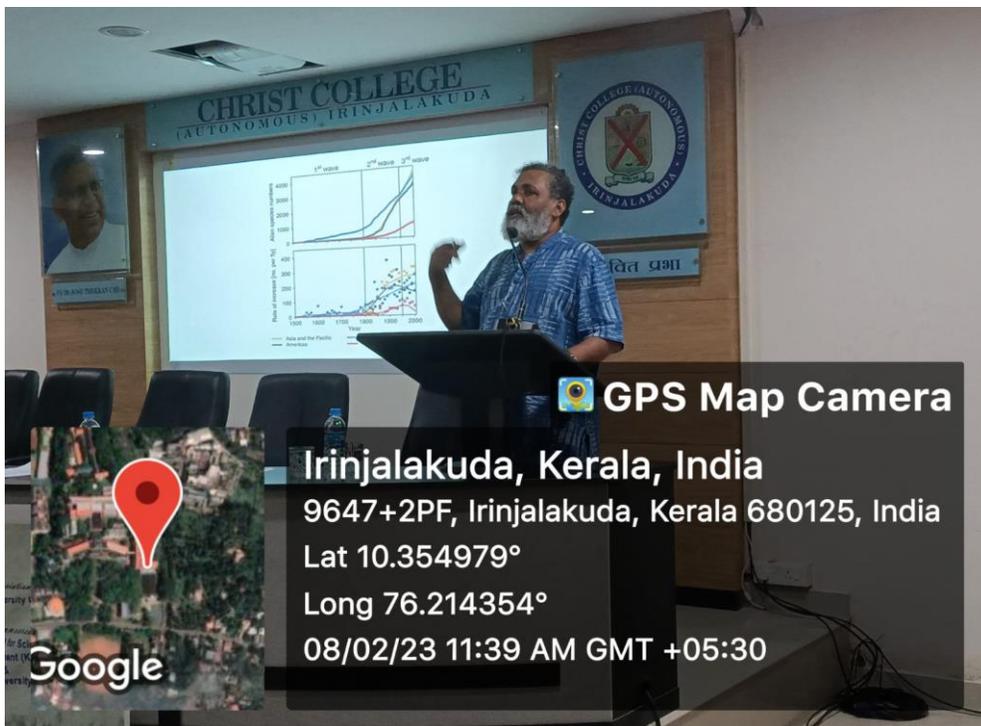
Fr. Dr. Jolly Andrews CMI
Principal



Photos



Presidential Address
by Principal Dr. Fr.
Jolly Andrews CMI



Inauguration and
Keynote address by
Dr. T. V. Sajeev,
Registrar-in-charge
and chief scientist,
KSCSTE-KFRI

Group photo



Media reports

ക്രൈസ്റ്റ് കോളജിൽ സെമിനാർ

ഇരിങ്ങാലക്കുട: ക്രൈസ്റ്റ് കോളജ് ഇരിങ്ങാലക്കുട ജന്തുശാസ്ത്ര വിഭാഗവും സസ്യശാസ്ത്ര വിഭാഗവും ജൈവവൈവിധ്യ ക്ലബ്ബും സംയുക്തമായി കേരളത്തിലെ അധിനിവേശ സസ്യങ്ങളും ജന്തുക്കളും എന്ന വിഷയത്തിൽ സെമിനാർ നടത്തി.

കെഎഫ്ആർഐ റെജിസ്ട്രാർ ഇൻചാർജും ചീഫ് സയൻറിസ്റ്റുമായ ഡോ. പി.വി. സജീവ് ഉദ്ഘാടനം ചെയ്തു. പ്രിൻസിപ്പൽ ഫാ. ജോളി ആൻഡ്രൂസ് സിഎംഐ അധ്യക്ഷതവഹിച്ചു. ഫാ. ജോയ് പീനിക്കപ്പറമ്പിൽ സിഎംഐ, പ്രഫ. ഇ.ജെ വിൻസന്റ്, ഡോ. എ.വി. സുധികുമാർ, ഡോ. സി. ബിജോയ്, ഡോ. ആർ. സൗമ്യ, ഡോ.കെ.ജി. ഷിന്റോ, ഫെബിൻ ഫ്രാൻസിസ് തുടങ്ങിയവർ സംസാരിച്ചു.

Deepika paper – 16/2/2023



അന്താരാഷ്ട്ര തണ്ണീർത്തട ദിനം : ക്രൈസ്റ്റ് കോളേജിൽ സെമിനാർ നടത്തി

അന്താരാഷ്ട്ര തണ്ണീർത്തട ദിനത്തോടനുബന്ധിച്ച് ക്രൈസ്റ്റ് കോളേജ് ഇരിങ്ങാലക്കുടയിൽ ജന്തുശാസ്ത്ര വിഭാഗവും, സസ്യശാസ്ത്ര വിഭാഗവും, ജൈവവൈവിധ്യ ക്ലബ് കെ എസ് സി എസ് ടി ഇ യുടേയും കെ എസ് ബി ബിയുടേയും സഹകരണത്തോടെ "കേരളത്തിലെ അധിനിവേശ സസ്യങ്ങളും ജന്തുക്കളും" എന്ന വിഷയത്തിൽ സെമിനാർ നടത്തി.

കേരള ഫോറസ്റ്റ് റിസർച്ച് ഇൻസ്റ്റിറ്റ്യൂട്ട് രജിസ്ട്രാർ ഇൻ ചാർജ്ജും ചീഫ് സയന്റിസ്റ്റുമായ ഡോ പി വി സജീവ് ചടങ്ങ് ഉദ്ഘാടനം ചെയ്തു.

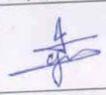
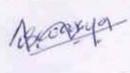
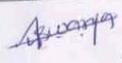
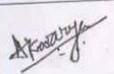
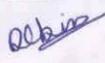
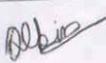
പ്രിൻസിപ്പാൾ ഡോ ഫാ ജോളി ആൻഡ്രൂസ് അധ്യക്ഷത വഹിച്ചു.

ഫാ ജോയ് പീണിക്കപ്പറമ്പിൽ, പ്രൊഫ ഇ ജെ വിൻസന്റ്, ഡോ എ വി സുധികുമാർ, ഡോ സി ബിജോയ്, ഡോ ആർ സൗമ്യ, ഡോ കെ ജി ഷിന്റോ, ഫെബിൻ ഫ്രാൻസിസ് തുടങ്ങിയവർ സംസാരിച്ചു.



Attendance

**NATIONAL SEMINAR ON
RECENT TRENDS IN FLORAL AND FAUNAL INVASION IN KERALA**
February 8-9, 2023
Attendance - Students

Sl no	Name	Affiliation	Email.id	08/02/2023	09/02/2023
1.	Agnus Rose	Department of Botany Christ college (Autonomous), Irinjalakuda	agnusrose2000@gmail.com		
2.	AISWARYA P MURALIDHARAN	Department of Zoology Christ college (Autonomous), Irinjalakuda	aiswaryapmuralidharan33@gmail.com		
3.	AISWARYA RAMESH	Department of Botany Christ college (Autonomous), Irinjalakuda	aiswarya7achu@gmail.com		
4.	AKHILA S	Department of Botany Christ college (Autonomous), Irinjalakuda	akhila.sachidanandan@gmail.com		
5.	Albin jose	Department of Botany Christ college (Autonomous), Irinjalakuda			
6.	Aleena Joseph	Department of Botany Christ college (Autonomous), Irinjalakuda	mazhuvanchery40@gmail.com		

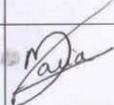
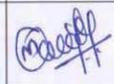
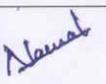
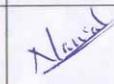
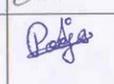
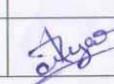
				08/02/23	09/02/23
7.	ALIDA DAVIS	Department of Botany Christ college (Autonomous), Irinjalakuda	alidadavis1999@gmail.com		
8.	ANAGHA CHELAT	Department of Zoology Christ college (Autonomous), Irinjalakuda	anaghachelat007@gmail.com		
9.	ANAT FRANCIS	Department of Botany Christ college (Autonomous), Irinjalakuda	francisanat03@gmail.com		
10.	Aneena manuel	Department of Botany Christ college (Autonomous), Irinjalakuda	anuel2001@gmail.com		
11.	Aneesha prakash	Department of Botany Christ college (Autonomous), Irinjalakuda	aneeshaani0422@gmail.com		
12.	Angel Thomas	Department of Botany Christ college (Autonomous), Irinjalakuda	angelmarythomas24@gmail.com		
13.	ANITTA JOSE	Department of Zoology Christ college (Autonomous), Irinjalakuda	anittajose003@gmail.com		
14.	ANJANA K NAIR	Department of Zoology Christ college (Autonomous), Irinjalakuda	anjanaknair458@gmail.com		
15.	Anna Anns P Jose	Department of Zoology Christ college (Autonomous), Irinjalakuda	annaannspjose@gmail.com		
16.	ANN TREENA SOJAN P	Department of Zoology Christ college (Autonomous), Irinjalakuda			

				08/02/2023	09/02/23
17.	Aparna Pushpan	Department of Botany M. E. S Asmabi college, P. Vemballur	aparnapushpan2001@gmail.com		
18.	Ashikha Farsana P J	Department of Zoology Christ college (Autonomous), Irinjalakuda	ashikhajafar24@gmail.com		
19.	Aswathi Haridas	Department of Zoology Christ college (Autonomous), Irinjalakuda	2000aswathiharidas@gmail.com		
20.	Atheena B S	Department of Botany Christ college (Autonomous), Irinjalakuda	atheenabsbiju@gmail.com		
21.	Augnes Jose	Department of Zoology Christ college (Autonomous), Irinjalakuda	augnesjose1999@gmail.com		
22.	Ayana R	Department of Zoology Christ college (Autonomous), Irinjalakuda	ayana101r@gmail.com		
23.	Bincy Babu	Department of Zoology Christ college (Autonomous), Irinjalakuda	bincykallumadiyil@gmail.com		
24.	Chaithra B P	Wildlife studies Kerala Veterinary and Animal Sciences University	chaithragirish2000@gmail.com		
25.	DEVIKA SURENDRAN T	Department of Zoology Christ college (Autonomous), Irinjalakuda	devikasurendrant@gmail.com		
26.	Divya.p.s	Department of Botany Christ college (Autonomous), Irinjalakuda	divyaps08364@gmail.com		

				08/02/23	09/02/23
• 27.	Faayiza Ikkal	Bsc zoology SN college alathur	Faayizafaz@gmail.com		
28.	GREESHMA T S	Department of Zoology Christ college (Autonomous), Irinjalakuda	greeshmados27@gmail.com		
29.	HRIDHYA KRISHNAN	Department of Botany Christ college (Autonomous), Irinjalakuda	hridhyakrishnan2305@gmail.com		
30.	Jesna Maria	Department of Zoology Christ college (Autonomous), Irinjalakuda	jesnamaria00@gmail.com		
31.	Joshi C J	Department of Botany Christ college (Autonomous), Irinjalakuda	josnicheeran@gmail.com		
32.	JUMANA HASEEN P	D.El.Ed DIET Malappuram	jumanahaseenp@gmail.com		
33.	Jyothi U M	Department of Zoology Christ college (Autonomous), Irinjalakuda	jyothium10@gmail.com		
34.	KRISHNAPRIYA G S	Department of Zoology Christ college (Autonomous), Irinjalakuda	krishnapriyags51@gmail.com		
35.	Krishnapriya K P	Department of Zoology Christ college (Autonomous), Irinjalakuda	krishna2001.gold@gmail.com		
36.	Leen Babu	Department of Botany Christ college (Autonomous), Irinjalakuda	leenbabu22@gmail.com		
37.	LIKHITHA K AKHILESWARAN	Department of Zoology	likithakakhileswaran2000@gmail.com		

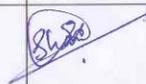
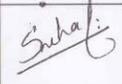
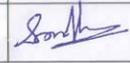
08/02/23

09/02/23

		Christ college (Autonomous),Irinjalakuda			
38.	Maria Sico	Department of Zoology Christ college (Autonomous),Irinjalakuda	mariasico7@gmail.com		
39.	Mariya Rose Davis	Department of Zoology Christ college (Autonomous),Irinjalakuda	mariyarose29@gmail.com		
40.	MEBIN C M	Department of Botany Christ college (Autonomous),Irinjalakuda	mebincm8@gmail.com		
41.	Meeval Alphonsa T Paulson	Department of Botany Christ college (Autonomous),Irinjalakuda	alphonz875@gmail.com		
42.	Merin Thomas	Department of Botany Christ college (Autonomous),Irinjalakuda	merin2001thomas@gmail.com		
43.	MUHSINA O M	Department of Zoology Christ college (Autonomous),Irinjalakuda	muhsinamusthafa396@gmail.com		
44.	Nawal pp	Department of Botany Christ college (Autonomous),Irinjalakuda	nawalpp1998@gmail.com		
45.	Nefla Muhamed	Department of Zoology Christ college (Autonomous),Irinjalakuda	neflamuhamed23@gmail.com		
46.	Pooja	Department of Botany Christ college (Autonomous),Irinjalakuda	shaji.pooja1999@gmail.com		
47.	Raniya k p	Department of Botany	raniyakp07@gmail.com		

08/02/23

09/02/23

		M. E. S Asmabi college, P. Vemballur			
48.	RANJINI C R	Department of Botany Christ college (Autonomous),Irinjalakuda	45ranjini@gmail.com		
49.	SALINI V S	Department of Botany Christ college (Autonomous),Irinjalakuda	salini3773@gmail.com		
50.	SANDRA K N	Department of Zoology Christ college (Autonomous),Irinjalakuda	sandra3roses@gmail.com		
51.	Saniga madhavan. S	Department of Botany Christ college (Autonomous),Irinjalakuda	sanigamadhavan20@gmail.com		
52.	Shahana shamseer	Department of Botany Christ college (Autonomous),Irinjalakuda	shahanashamseer2001@gmail.com		
53.	Sherin Shana.T	Department of Botany M. E. S Asmabi college, P. Vemballur	wwwsherin946@gmail.com		
54.	Sinta E A	Department of Botany Christ college (Autonomous),Irinjalakuda	sintaea2016@gmail.com		
55.	Sneha c j	Department of Botany Christ college (Autonomous),Irinjalakuda	Snehakunnath123@gmail.com		
56.	Sooraj sivas	Department of Zoology Christ college (Autonomous),Irinjalakuda	sooraj.sivas.ss@gmail.com		
57.	Sreeshma Asok K	Department of Zoology	sreeshmamangala10@gmail.com		

08/02/23

09/02/23

		Christ college (Autonomous), Irinjalakuda			
58.	Sreya Kumar k	Department of Zoology Christ college (Autonomous), Irinjalakuda	kumarsreya6@gmail.com		
59.	Suryaprabha R	Department of Botany Christ college (Autonomous), Irinjalakuda	suryakrishnakumar5@gmail.com		
60.	Swapna Sudha TR	Department of Zoology Christ college (Autonomous), Irinjalakuda	swapnasudhatr2019@gmail.com		
61.	Thahzeena. I	Department of Botany SN College Alathur	ithahzeena@gmail.com		
62.	Tharfa Remesh	BSc. Geology (self) Christ college (Autonomous), Irinjalakuda	tharasreeremesh@gmail.com		
63.	Themeema Musthafa	BSc. Geology (self) Christ college (Autonomous), Irinjalakuda	themeemamusthafa@gmail.com		
64.	VINITHA M S	Zoology	vinithamsundaran@gmail.com		
65.	Vismaya P M	Department of Botany Christ college (Autonomous), Irinjalakuda	vismayamani123456@gmail.com		

66 Mithu Manoj C

Department of zoology
Christ college
(Autonomous)
Irinjalakuda

mithumanojc@gmail.com

67 Divya Jose

Department of
zoology
Christ college
(Autonomous)
Irinjalakuda

divyajose839@gmail.com

Aiswarya S BSc Geology (Self), first year
Christ college, Irinjalakuda
8/02/2023
aiswaryas2090@gmail.com

Devika Vijay BSc Geology (self), first year
Christ college, Irinjalakuda
9/02/2023

Anjaly P.S BSc Chemistry, first year
Christ college, Irinjalakuda
8/02/2023
9/02/2023
anjalysudhi27@gmail.com

Malavikha K BSc Chemistry, 1st year
Christ College, Irinjalakuda
08/02/2023
09/02/2023
malavikha mk 305@gmail.com

Diya K. N. BSc Chemistry, 1st year,
Christ college, Irinjalakuda
08/02/2023
09/02/2023
diyanoojana@gmail.com

Chandana Byushankam BSc Chemistry, 1st year
Christ college, IJK
08/02/2023
09/02/2023
chandana9720@gmail.com

Gopika Rajan BSc Chemistry, 1st year
Christ college, IJK
08/02/2023
09/02/2023
gopikarajan196@gmail.com

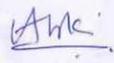
Ardras S Kumar BSc Chemistry, 1st year
Christ college, IJK
08/02/2023
09/02/2023
ardrasusikumar2004@gmail.com

76. Nivedya - V - V BSc Chemistry
First year christ college IJK
Nivedya
8/02/23 Nivedya 2, nivedyav2004@gmail.com
9/2/23
77. Anjali K Unnikrishnan BSc Zoology
First Year Christ College IJK
Anjali
8/2/23 Anjali
9/2/23 anjalikunnikrishnan214@gmail.com
78. ANJOE SHAIJU B.Sc Zoology
Second yr., Christ College IJK
Anjoeshaju
8-2-23 Anjoeshaju
9-2-23 anjoeshaju14003@gmail.com
79. Jincy R BSc - Zoology
1st year, christ college IJK
Jincy
9-2-23 Jincy
9-2-23 Jincyrs1403@gmail.com
80. Revathy C B.Sc Zoology
1st yr christ college IJK
Revathy
8-2-23 Revathy
9-2-23 revathyc2004@gmail.com
81. Niveditha P.T BSc - zoology -
1st year, christ college IJK
Niveetha
8-02-2023 Niveetha
9-02-2023 nivedithapt23@gmail.com

**NATIONAL SEMINAR ON
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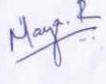
February 8-9, 2023

Attendance
Registration form – Research Scholars

Sl no	Name	Affiliation	Email.id	08/02/2023	09/02/2023
1.	ALEEM YOOSUF N.	Research Scholar Department of Botany KAHM Unity Women's College, Manjeri	aleemyoosuf@gmail.com		
2.	Amulya Baji K	Research Scholar, Department of Zoology Christ college (Autonomous), Irinjalakuda	amulyabaji@gmail.com		
3.	Asha T. Joy	Research Scholar, Department of Zoology Christ college (Autonomous), Irinjalakuda	ashatheresajoy@gmail.com		
4.	Jobin M J	Research Scholar Dept. Of Zoology University of Calicut	Jobin.m6@gmail.com		
5.	Karthika M Nair	Research Scholar Nodal Center for Biological Invasions (NCBI) KSCSTE-KFRI	karthikamnr@gmail.com		
6.	Keerthana P Kumaran	Research Scholar, Department of Zoology Christ college	keerthanapkumaran.olaf.3@gmail.com		

08/02/23

09/02/23

7.	LYSAMMA SURYA	Research Scholar Dept. Of Zoology University of Calicut	lysuvinu29@gmail.com		
8.	MANEESH AMMATTIL	Research Scholar Department of Entomology Kerala Forest Research Institute	maneeshammattil88@gmail.com		
9.	Maya R	Research Scholar Department of Botany Sanatana Dharma College, Alappuzha	rsmaya205@gmail.com		
10.	MOHAMMAD NADIM ANSARI	Research Scholar Fisheries Resource Management Kerala University of Fisheries and Ocean Studies, Kochi, Kerala	mohammad786nadim@gmail.com		
11.	Premdas S	Research Scholar Nodal center for biological invasion Kerala forest research institute	premmiracle.76@gmail.com		
12.	Rehna.E.T	Research Scholar Centre for Sustainable Future, Amrita Vishwa Vidyapeetham	rehnaet@gmail.com		
13.	Reshma R.	Research Scholar, Department of Zoology Christ college (Autonomous), Irinjalakuda	reshmaradhakrishnanj95@gmail.com		

14. Athul Sankar C Department of Zoology
Christ College
(Autonomous), Irinjalakuda



Outcome

1. The participants were enlightened about the various floral and faunal invasion in Kerala and the various ecological and economic impact caused by them
2. The participants became aware of the various research gaps in studies about invasive species
3. The research scholars and students were given an opportunity to showcase their findings
4. The seminar helped in constructive collaborative activities for the better management of invasive species