



**BIODIVERSITY
CLUB REPORT
2019-2020**



**CHRIST
COLLEGE
(Autonomous),
IRINJALAKUDA**

Meet the Scientist Programme: Biodiversity club members got an opportunity to interact with Prof. Madhav Gadgil and Dr. V. S. Vijayan on 30th January, 2020.



As part of the National Science Day 2020, a **Two-Day Algal workshop** on diversity, Taxonomy and Applications was conducted as a Hands-on training programme on February 14 and 15, 2020. The programme was funded by KSCSTE and DST.

Hands on Training 3 : 4.00 p.m.- 4: 30 p.m.
Methods of documentation of algae: Microphotographs and Camera Lucida diagrams
Dr. Tessy Paul P., Associate Professor & HOD, Dept. of Botany, Christ College (Autonomous), Irinjalakuda, Thrissur District, Kerala

15-02-2020 (Saturday)

Technical session 3 : 9.15 a.m. - 10.00 a.m.
Invited talk (Topic): The taxonomy of River algae
Ms. Devikrishna C. S., Junior Research Fellow (UGC), PG & Research Dept. of Botany, MES Asmabi College, P. Vemballur, Thrissur District, Kerala

Technical session 4 : 10.00 a.m. - 11.00 a.m.
Invited talk (Topic): 'A scientific approach to unravel the conventional and modern taxonomic tools in Diatom taxonomy
Mr. Geo Joseph, Junior Research Fellow (KSBF), PG & Research Dept. of Botany, Sacred Heart College (Autonomous), Thevara, Ernakulum District, Kerala

Tea Break : 11.00 a.m. - 11.15 a.m.

Hands on Training 4 : 11.15 a.m. - 12: 30 p.m.
The techniques for the estimation of Phytoplankton in water samples
Prof. Joshy K. Simon, Associate Professor & HOD (Retd.), Dept. of Botany, Christ College (Autonomous), Irinjalakuda, Thrissur District, Kerala

Lunch Break : 12.30 p.m. - 1.15 p.m.

Technical session 5 : 1.15 p.m. - 2.00 p.m.
Invited talk (Topic): Microalgae: Potent resource for the mankind
Ms. Shaheeda T. M., Assistant Professor, PG & Research Dept. of Botany, MES Asmabi College, P. Vemballur, Thrissur District, Kerala

Hands on Training 5 : 2.00 p.m. - 3: 00 p.m.
Algal diversity of perennial ponds and temple ponds
Dr. Tessy Paul P., Associate Professor & HOD, Dept. of Botany, Christ College (Autonomous), Irinjalakuda, Thrissur District, Kerala


Hands on Training 6 : 3.00 p.m.- 3: 45 p.m.
The algal diversity of river ecosystems
Ms. Devikrishna C. S., Junior Research Fellow (UGC), PG & Research Dept. of Botany, MES Asmabi College, P. Vemballur, Thrissur District, Kerala

Tea Break : 3.45 p.m. - 4.00 p.m.
Closing Ceremony & : 4.00 p.m. - 4.30 p.m.
Distribution of Certificates

ORGANIZING COMMITTEE
Patron
Rev. Fr. Jacob Njerinjampilly CMI, Manager
Principal
Dr. Mathew Paul Ukken
Programme Coordinator
Dr. Tessy Paul P., (HOD & Associate Professor, Dept. of Botany and Joint Coordinator, Biodiversity Club)

SUPPORTING TEAM
Rev. Fr. Joy P.T. CMI (Vice-Principal & Assistant Professor, Dept. of BPE & Joint Coordinator, Biodiversity Club)
Dr. Bijoy C. (Assistant Professor, Dept. of Zoology & Coordinator, Biodiversity Club)
Dr. Sr. Dilla Jose (Assistant Professor, Dept. of Zoology & Joint Coordinator, Biodiversity Club)
Mr. Antony Francis (Lab Assistant, Dept. of Botany)

For further details:
Dr. Tessy Paul P.: Mob: 7558898955, 9446233104 Email: dr.tessypaul@gmail.com



CHRIST COLLEGE
 (Autonomous) Irinjalakuda, Kerala
 Affiliated to the University of Calicut and Re-accredited by NAAC (Grade A)
 www.christcollegekerala.edu.in

Department of Botany
 in collaboration with Biodiversity Club

Organise
Two Day Algal Workshop
 on 'Diversity, Taxonomy and Applications'


As part of National Science Day 2020
- Focal Theme : "Women in Science"

Venue: Botany Lab, Christ College (Autonomous), Irinjalakuda

Date: February 14th - 15th, 2020

Sponsored by
 Kerala State Council for Science, Technology and Environment (KSCSTE)

Supported by
 Department of Science and Technology (DST), Govt. of India



Dear Sir / Madam,

The Department of Botany, Christ College (Autonomous), Irinjalakuda, Thrissur in collaboration with Biodiversity Club is organising the National Science Day 2020 in recognition of the legendary Indian Scientist Dr. C. V. Raman. The basic objective of observation of National Science Day is to spread the message of importance of Science and its application among the people. We are conducting KSCSTE Sponsored and DST supported Two Day Algal Workshop on 'Diversity, Taxonomy and Applications' at Botany Lab, Christ College (Autonomous), Irinjalakuda, on 14th - 15th February, 2020. We invite your esteemed presence and participation in the programme.

Dr. Tessa Paul P.
Programme Co-ordinator

Dr. Mathew Paul Ukken
Principal

ABOUT THE COLLEGE

Christ College (Autonomous), Irinjalakuda, was started in the year 1956 by the Devamatha province of the Carmelites of Mary Immaculate (CMI). Christ College has been affiliated to University of Calicut and re accredited by NAAC with 'A' grade and achieved autonomous status in 2015. Christ College offers an ideal vision of education that is aware of and responsive to the challenges of the nation's present situation. The College offers 20 degree, 14 Masters and 6 Ph.D. programmes in various disciplines. The College is in the forefront of all activities to protect the environment and conserve an eco-friendly campus. The afforestation programs conducted in the college campus is found to augment ground water recharge during rainy season by increasing water seepage through leaf litter. Rainwater harvesting is also done in the campus premises. The College has been honoured by awarding the Kerala State Energy Conservation Award in 2011, Haritha Campus Award instituted by Kerala Biodiversity Board for the year 2011-12, "Green Campus Award" for the year 2014 instituted by University of Calicut, Best Biodiversity Club Award by the Kerala State Biodiversity Board, for the year 2014 and the Malayala Manorama Palathully Puraskaram for the year 2016 for the keen interest in campus greening and conservation of energy.

DEPARTMENT OF BOTANY: In June 1956, when the department of Botany began, it catered to the needs of students who took the Pre-University II group. In June 1957, when the degree course in Zoology was started with Botany as a subsidiary paper and it continued to initiate students into the wonderful world of flora. With the advent of the Interdisciplinary M.Sc. Environmental Science course in January 2000, the department also shouldered the responsibility for its conduct. From 2013 onwards, department of Botany offers M.Sc. in Botany (Self-financing).

BIODIVERSITY CLUB: The Biodiversity club is an organization of staff and students of Christ College under the Kerala State Biodiversity Board, registered under Reg. No. KSWB/BC/45 to create awareness among the student community regarding the protection and conservation of biodiversity. The Biodiversity Club is very active to protect and maintain the biodiversity of the campus and surrounding areas by planting saplings, educating the public and conducting awareness programmes in co-ordination with Irinjalakuda Municipality. The Club won the Best Biodiversity Club Award instituted by the Kerala State Biodiversity Board, Government of Kerala, for the year 2014-15. The Shanthisthal of 20 cents has been demarcated in the College campus to create a human made biodiversity centre with rare, threatened and endangered plants.

ABOUT THE WORKSHOP:

This workshop focuses on creating awareness among students about the diverse algal groups present in our wetland ecosystems. It will also remind them about the emerging wetland issues and to encourage actions for the protection and conservation of wetlands. The workshop thrusts on the significance of environmental monitoring in educating public about environmental conditions and in taking responsible decisions regarding environment issues. The workshop will help the students to get training for the documentation and identification of the algae there by evaluating the diversity of the unique aquatic ecosystems of India.

Algal Workshop on 'Diversity, Taxonomy and Applications'

PROGRAMME

Day 1: 14-02-2020 (Friday)

- Registration : 9.30 a.m. – 10.00 a.m.
- Inaugural session : 10.00 a.m. – 10.30 a.m.
- Tea Break : 10.30 a.m. – 10.45 a.m.
- Technical session I : 10.45 a.m. – 11.45 a.m.
- Invited talk (Topic): 'Microalgae along the Kerala Coast:

A special reference to Seaweeds of Malabar Coast'

Dr. Sanilkumar M. G., Assistant Professor, PG & Research Dept. of Botany, SNM College, Malankara, Ernakulam District, Kerala

- Hands on Training I : 11.45 a.m. - 12: 30 p.m.

Seaweed Diversity of Malabar Coast

Dr. Sanilkumar M. G., Assistant Professor, PG & Research Dept. of Botany, SNM College, Malankara, Ernakulam District, Kerala

- Lunch Break : 12.30 p.m. – 1.30 p.m.

- Technical session 2 : 1.30 p.m. – 2.45 p.m.

Talk (Topic): 'Freshwater Algae of Kerala: Diversity, Taxonomy and Applications'

Dr. Tessa Paul P., Associate Professor & HOD, Dept. of Botany, Christ College (Autonomous), Irinjalakuda, Thrissur District, Kerala

- Tea Break : 2.45 p.m. – 3.00 p.m.

- Hands on Training 2 : 3.00 p.m. - 4: 00 p.m.

The Freshwater Algal Diversity of Thrissur District, Kerala

Dr. Tessa Paul P., Associate Professor & HOD, Dept. of Botany, Christ College (Autonomous), Irinjalakuda, Thrissur District, Kerala

Registration Fee

- Students :Rs.100
- Research Scholars : Rs. 150
- Faculty / Others : Rs. 250



മലയാളം ആ സമാജനം ഇതിൽ
പങ്കെടുക്കുന്നതിന് കേരളം സാക്ഷ്യം നൽകിയിട്ടുണ്ട്. കേരളം സാക്ഷ്യം നൽകിയിട്ടുണ്ട്.
ദേശീയ സർക്കാർ നൽകിയ 50 കോടി രൂപയുടെ
സഹായം കൂടി കേരളം സാക്ഷ്യം നൽകിയിട്ടുണ്ട്. കേരളം സാക്ഷ്യം നൽകിയിട്ടുണ്ട്.
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- Faculty / Others : Rs. 250
- Research Scholars : Rs. 150
- Students :Rs.100
- Registration Fee**

കൂടുതൽ വിവരങ്ങൾക്ക് കേരളം സാക്ഷ്യം നൽകിയിട്ടുണ്ട്. കേരളം സാക്ഷ്യം നൽകിയിട്ടുണ്ട്.
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CHRIST COLLEGE (AUTONOMOUS), IRINJALAKUDA
TWO DAY ALGAL WORKSHOP ON DIVERSITY, TAXONOMY & APPLICATIONS
AS PART OF "NATIONAL SCIENCE DAY" 2020
FOCAL THEME - "WOMEN IN SCIENCE"
On 18th - 19th February 2020 @ Botany Lab
Technical Sessions and Hands - on Training
Resource Persons : Dr. Sandhanar M.G., Prof. Judy K. Simon, Dr. Tresa Paul P., Ms. Shobana T.M., Mr. Gai Joseph, Ms. Devikrishna C.S.
Organized by: Dept. of Botany in collaboration with Biodiversity Club
Sponsored by: Kerala State Council for Science, Technology and Environment (KSCSTE), Thiruvananthapuram
Supporter by: Department of Science and Technology (DST), Govt. of India



ദ്വിദിന ശില്പശാല തുടങ്ങി



☉ ദേശീയ ശാസ്ത്ര ദിനത്തിന്റെ ഭാഗമായി ഇരിങ്ങാലക്കുട ക്രൈസ്റ്റ് കോളേജ് ബോട്ടണി വിഭാഗം സംഘടിപ്പിക്കുന്ന ദ്വിദിന ശില്പശാല മാനേജർ ഫാ. ജേക്കബ്ബ് ഞെരിഞ്ഞാനുള്ളി ഉദ്ഘാടനം ചെയ്യുന്നു

ഇരിങ്ങാലക്കുട ▶ കേന്ദ്ര ശാസ്ത്ര സാങ്കേതിക വകുപ്പിന്റേയും കേരള ശാസ്ത്ര സാങ്കേതിക കൗൺസിലിന്റേയും സഹകരണത്തോടെ ക്രൈസ്റ്റ് കോളേജിലെ ബോട്ടണി വിഭാഗം രണ്ടു ദിവസമായി സംഘടിപ്പിക്കുന്ന ശില്പശാലയ്ക്ക് തുടക്കമായി. 'ശാസ്ത്ര രംഗത്ത് വനിതകളുടെ സംഭാവന' എന്ന കേന്ദ്ര വിഷയത്തിലൂന്നിയാണ് ഈ വർഷം ദേശീയ ശാസ്ത്രദിനം ആചരിക്കുന്നത്. കോളേജ് മാനേജർ ഫാ. ജേക്കബ്ബ് ഞെരിഞ്ഞാനുള്ളി ഉദ്ഘാടനം ചെയ്തു. പ്രിൻസിപ്പൽ

ഡോ. മാത്യു പോലം ഉദ്ദേശിക്കാൻ അധ്യക്ഷനായിരുന്നു. വൈസ് പ്രിൻസിപ്പൽ ഫാ. ജോയ് പി.ടി., ശില്പശാല കോ-ഓർഡിനേറ്റർ ഡോ. ടെസ്സി പോലം പി. എന്നിവർ പ്രസംഗിച്ചു.

ഡോ. സനിൽകുമാർ എം.ജി., പ്രൊഫ. ജോഷി കെ. സൈമൺ, ഡോ. ടെസ്സി പോലം, പ്രൊഫ. ഷാഹിദ ടി.എം., പ്രൊഫ. ദേവികൃഷ്ണ സി.എസ്., പ്രൊഫ. ജിയോ ജോസഫ് എന്നിവർ നേതൃത്വം നൽകി. ശില്പശാല ശനിയാഴ്ച സമാപിക്കും.

In connection with World Wetland Day, a hands-on session and **invited talk on Biodiversity Documentation via India Biodiversity Portal** was organised by Biodiversity club on 12th February 2020. Mr. Anu Radhakrishnan, Senior Programme Officer, ATREE, Bangalore was the guest. BioBlitz competition was also conducted.

**Department of Zoology and Biodiversity Club,
Christ College (Autonomous), Irinjalakuda**

With technical assistance of

ATREE CERC

organise

A hands-on session and talk on

"BIODIVERSITY Documentation via India Biodiversity Portal"

In connection with

World
Wetlands Day
2 February 2020
Wetlands and biodiversity



Date: 12th February 2020

Time: 10 am

Venue: New Seminar Hall

There will be a
BIOBLITZ competition.
Winners will be awarded
attractive prizes.

Programme Coordinators

Dr. Bijoy C, Assistant Professor, Department of Zoology

Dr. Tessa Paul, Head and Associate Professor, Department of Botany

General convener

Dr. Joshi C. O., Head and Associate Professor, Department of Zoology

Session will be handled by

Mr. Anu Radhakrishnan

Senior Program Officer, ATREE

There will be a
BIOBLITZ competition
Winners will be awarded attractive prizes

Programme Coordinators

Dr. Bijoy C, Assistant Professor, Department of Zoology

Dr. Tessa Paul P., Head and Associate Professor, Department of Botany

General convener

Dr. Joshi C. O., Head and Associate Professor, Department of Zoology



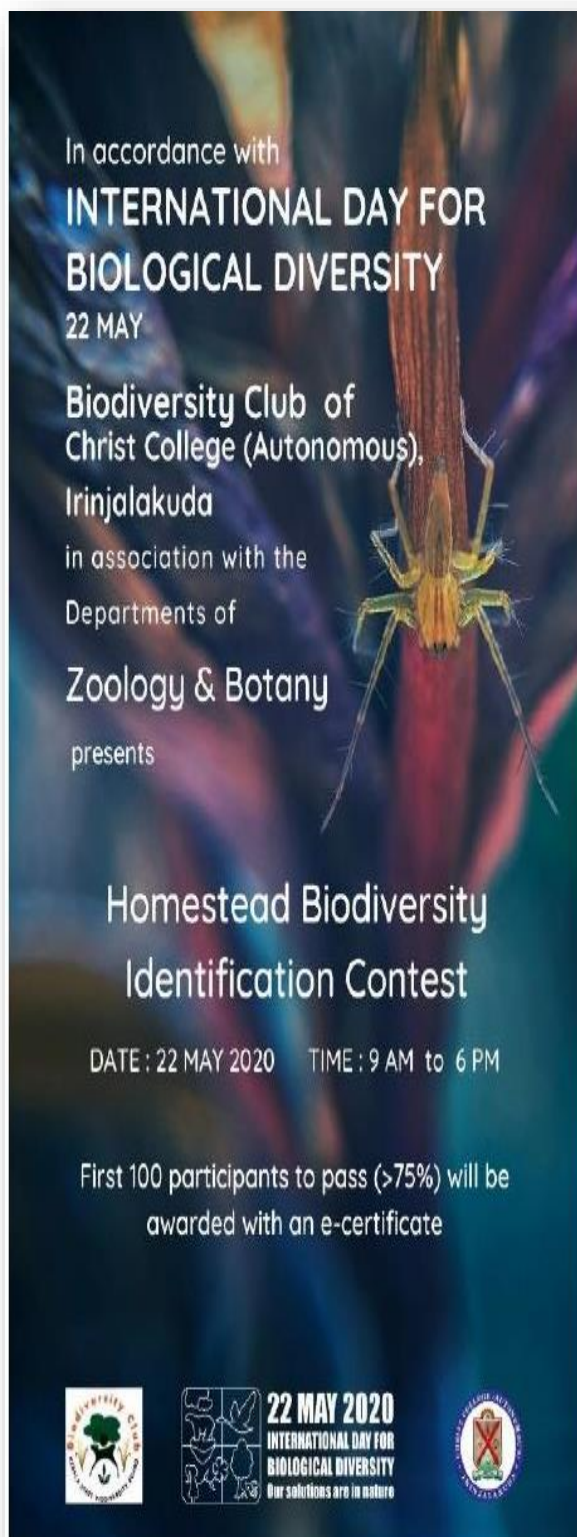


Coordinators of the club **plated fruit saplings** in connection with World Water Day 2020 at college campus premises on 23rd March 2020.



In connection with International Day for Biological Diversity 2020 a **Homestead Biodiversity Identification Contest** was conducted on May 22, 2020. The programme was conducted through Google Forum and a total of 553 candidates participated in the contest.

(Link attached: <https://docs.google.com/spreadsheets/d/12JNMVmdEAKcksKDSX75Em8-1ES-3hrjOPXGBPL8GSbU/edit?usp=sharing>)




In accordance with
**INTERNATIONAL DAY FOR
BIOLOGICAL DIVERSITY**
22 MAY

Biodiversity Club of
Christ College (Autonomous),
Irinjalakuda
in association with the
Departments of
Zoology & Botany
presents


**Homestead Biodiversity
Identification Contest**

DATE : 22 MAY 2020 TIME : 9 AM to 6 PM

First 100 participants to pass (>75%) will be
awarded with an e-certificate



22 MAY 2020
INTERNATIONAL DAY FOR
BIOLOGICAL DIVERSITY
Our solutions are in nature



Certificate of participation

Name of the participant

Has participated and passed the
Homestead Biodiversity Identification Contest
conducted by Biodiversity Club in association with Departments of Zoology & Botany,
Christ College (Autonomous), Irinjalakuda
in connection with
International Day for Biological Diversity
22-May-2020

Dr. Bipin C.
Co-ordinator,
Biodiversity Club

Dr. Tassy Paul P.
Dean of Science &
HoD, Department of Botany

Dr. Joshi C. G.
Vice principal &
HoD, Department of Zoology