

PG & RESEARCH DEPARTMENT OF

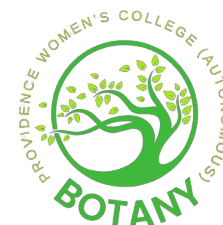
Botany

**PROVIDENCE WOMEN'S COLLEGE (AUTONOMOUS)
KOZHIKODE**



Newsletter 2023-24

DEPARTMENT OF BOTANY



MILE STONES

1956

Subsidiary
Courses

1965

BSc
Botany

2002

Certificate
Courses

2013

MSc
Botany

2014

Guidance
For Doctoral
studies

2020

Research
Centre



MOTTO
Inspire &
Equip



VISION
To excel by providing quality education
To cultivate talent and equip students
with employable and inventive skills

REGULAR PROGRAMMES OFFERED

BSc Botany
6 semester Programme
Credits : 120
Intake: 44

MSc Botany
4 semester Programme
Credits : 120
Intake: 20

PhD Botany
Students enrolled: 5
Areas: Biotechnology, Phytochemistry & Molecular Systematics

CERTIFICATE COURSES




AI in Agriculture
Mushroom Culture Technology
Biofertilizer Technology
Cultivation of Leafy vegetables

FACULTY PROFILE

TEACHING FACULTY

	DR. DEENA MERIA JOSE PROFESSOR	Coordinator of Continuous Internal Assessment Committee Coordinator of Bhoomithrasena Member of IQAC
	DR. MINOO DIVAKARAN FLS PROFESSOR	Coordinator of IQAC, Coordinator of UGC Paramarsh Scheme Coordinator of DBT Star College Scheme Secretary of College Development Society
	DR. VEENA V ASST. PROFESSOR	Dept. level coordinator of DBT Star College Scheme
	DR. PILTY PEYER A ASST. PROFESSOR	Coordinator of MoJ committee Coordinator of Biodiversity & Conservation Initiatives
	DR. ARCHANA ER ASST. PROFESSOR	NSS Pprogramme Officer Coordinator of Jalasree
	DR.SAVITHA RABEQUE C ASST. PROFESSOR	Fine Arts President Member of R&D Cell Student Advisor: FYUGP
	MS. DIPIJA AP GUEST LECTURER	
	DR. SARANYA BABU JAYAPRAKASH GUEST LECTURER (SUBSTITUTE)	

NON-TEACHING FACULTY

	MR. PRABEESH THOMAS HERBARIUM KEEPER	
	MRS. SIMBA SHERIN JOHN LABORATORY ASSISTANT	
	MR. JIJIN LABORATORY ASSISTANT	

TEACHING LEARNING & EVALUATION

RESULTS OF 2022-23 - UG & PG

BSc Botany 2022-23

Pass percentage : 88%
 Total no appeared : 42
 A+ grade : 5
 A grade : 18

MSc Botany 2022-23

Pass percentage : 100%
 Total no appeared : 15
 O grade : 5
 A+ grade : 9
 A grade : 1

ACHIEVERS OF 2022-23 - UG & PG

DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE
B. SC. BOTANY TOPPERS 2022-23

A

PATTINJA LARA PP (R 000)
 SHREYAS R.A. (R 000)
 SHYAMA P. CUI (R 002)
 ANU PARIA JOSEPH (R 000)
 SANDRA KK (R 000)

MATHILIN (R 000)
 RAJITHA THOMAS E (R 000)
 LADHINA MUDHAN M (R 000)

SHREYAS R.A. (R 000)
 SHREYAS R.A. (R 000)
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DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE
 REACCREDITED BY NAAC WITH A++

MSc Botany 2023

100% SUCCESS

O grade - 33%
A+ grade - 60%
A grade - 7%

MIDHUNA A
 grade 4.43
NASHVA SHIRIN
 grade 4.43

AMITHA PP
 grade 4.42
MUFEEADATH K
 grade 4.25
RASHMA R
 grade 4.25

A+ AKHILA VP
 grade 4.17
A+ SANDRA KG
 grade 4.12
A+ SNEHA K
 grade 4.1
A+ SANDRA KK
 grade 4.09

A+ APARNA SUDARSAN
 grade 4.08
A+ AMITHA P
 grade 4.04
A+ NANDA SK
 grade 3.98
A+ ANUSHA KS
 grade 3.86

A+ ASWANA C
 grade 3.81
A ASHLIN ROSE WILSON
 grade 3.6

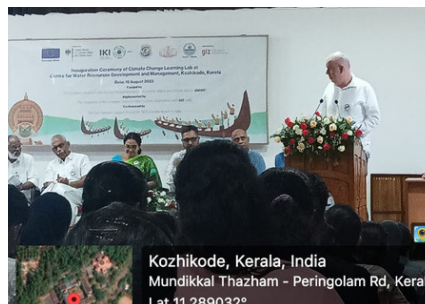
Congrats!
 on your Achievement

EXPERIENTIAL LEARNING OPPORTUNITIES PROVIDED

OFF-CAMPUS SEMINARS/CONFERENCES ATTENDED BY STUDENTS

18-08-2023

Inauguration ceremony of Climate Change Learning Lab at **KSCSTE-CWRDM** Kunnamangalam



20-10-2023

National Seminar Importance, Scope and need of conservation of aquatic habitats organized by **KSCSTE-MBGIPS Kozhikode**



29-09-2023 to 02-10-2023

Youth gathering organized by **CCBI Commission for Ecology** as a part of **Prithvi Parivar**, a Pan India Ecological Movement held at Hyderabad



30-11-2023

Recent trends in Cryptogamic Plant Research organized by **Govt. Arts and Science College, Kozhikode**



11-12-2023 to 13-12-2023

National workshop on Yools and techniques in proteomic studies organized by **SNG College, Pattambi**



OFF-CAMPUS SEMINARS/CONFERENCES ATTENDED BY STUDENTS

17-01-2024

Training in Herbarium Techniques organized by **St. Thomas College Thrissur**



25-02-2024

Dedication to the Nation of Microbiology food testing lab at Kerala (at the **Regional Analytical lab, Malaparamba**).



12-03-2024

Frontier lecture on Plant genomics for crop improvement organized by **Dept. of Botany, University of Calicut**



Thenhipalam, Kerala, India
4VMQ+M72, Thenhipalam, Kerala 673636, India



19-03-2023 to 22-03-2024

Water Folks- A citizen Science Program for Water conservation at **CWRDM, Kunnamangalam**



26-03-2024

Bioprospecting workshop organized by **KSCSTE-MBGIPS, Kozhikode**



Kozhikode, Kerala, India
6RRH+628, Poovangal, Kozhikode, Kerala 673014, India
Lat 11.241136°
Long 75.827613°
26/03/24 11:17 AM GMT +05:30



UG EXPERIENTIAL LEARNING JOURNEYS OFF-CAMPUS EXPERIENCES REDEFINING EDUCATION

18-08-2023

III sem UG students visited Centre for **Water Resources Development and Management, Kunnamangalam, Kozhikode**



25-11-2023

III sem UG students visited Kerala Forest research Institute Sub Centre and Teak Plantations at Nilambur



18-12-2023

VI sem UG students visited Indian Institute of Spices Research, Regional Station, Madikeri, Karnataka



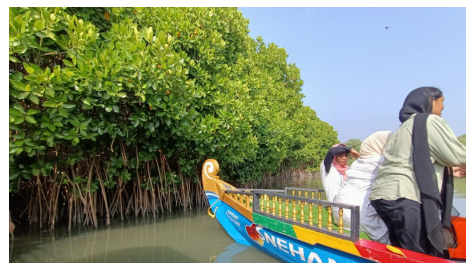
19-12-2023

VI sem UG students visited Lalbagh Botanical Garden Bengaluru



19-12-2023

I sem UG students visited Kadalundi Vallikunnu Community reserve



22-01-2024

VI sem UG students visited Centre for Medicinal Plant Research, Arya Vaidya Sala Kottakkal





UG LEARNING JOURNEYS OFF-CAMPUS EXPERIENCES REDEFINING EDUCATION

02-02-2024

I sem UG students visited **Punchavayal wetlands** as a part of the wetland walk organized in on the World Wetland Day



25-02-2024

I sem UG students visited the **Food Microbiology Laboratory** at the **Regional Analytical Laboratory, Malaparamba, Kozhikode**



04-03-2024

6 sem UG students visited **Regional Soil Analysis Laboratory, Kozhikode**



PG LEARNING JOURNEYS OFF-CAMPUS EXPERIENCES REDEFINING EDUCATION

18-08-2023

I sem PG students visited **Centre for Water Resources Development and Management, Kozhikode**



01-10-2023

I Sem PG attended the **Youth gathering** organized by **CCBI commission for ecology - Prithvi Parivar, a Pan India Ecological Movement at Hyderabad**





PG LEARNING JOURNEYS OFF-CAMPUS EXPERIENCES REDEFINING EDUCATION

20-10-2023

III sem PG students visited
Kotooli wetlands



20-10-2023

I sem PG students visited
visited MBGIPS Kozhikode



23-11-2023

I Sem PG students visited
the shore of **Thikodi,**
Kozhikode to study about
the marine macroalgae and
collect specimens



23-11-2023

I sem PG students visited
Koyilandi, Kozhikode to
collect pteridophyte
specimens



19-12-2023

I sem PG students visited
Kadalundi Vallikunnu
Community Reserve for
understanding the roles of
mangrove ecosystems



08-01-2024

I sem PG students visited
Gurukulam Botanical
Sanctuary, Periya,
Wayanad





PG LEARNING JOURNEYS OFF-CAMPUS EXPERIENCES REDEFINING EDUCATION

22-01-2024

IV sem PG students visited
**Centre for Medicinal Plant
Research, Arya Vaidya
Sala Kottakkal**



12-03-2024

IV sem PG students
visited **Calicut University
Herbarium**



21-03-2024

IV sem PG students visited
Chaliyar River banks to
assess the water quality



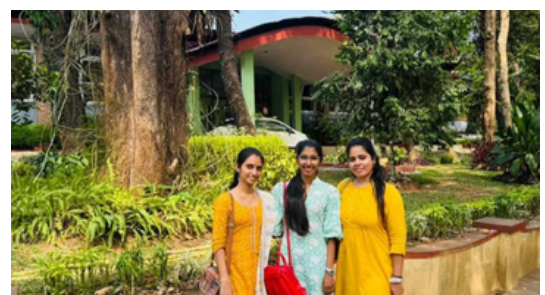
21-03-2024

IV sem PG students visited
Kuttichira water body to
assess the water quality



03-04-2024

IV sem PG students visited
**Kerala Forest Research
Institute Peechi Thrissur**



PUBLICATIONS

RESEARCH ARTICLES IN JOURNALS

Athulya Sadanand CP, Madhusoodanan PV, **Minoo Divakaran*** (2023). Anti-inflammatory and anti-oxidant activities of medicinal plant extracts, *Bioinfolet* 20 (4) : 665-667

Saranya Babu Jayaprakash CM, **Minoo Divakaran***, Madhusoodanan PV (2023). *In vitro* publication and genetic fidelity analysis of *Celastrus paniculatus* Willd - a vulnerable high trade medicinal woody liana of Western Ghats. *Research Journal of Biotechnology*, 18 (7) : 33-39

Veena V & Nampy S. (2023). Flowering phenology, floral biology, breeding system, and pollination in the andromonoecious *Commelina diffusa* (Commelinaceae). *Botany*, 101(12).

BOOKS

Bhaskaran KK, Sanoj E& **Archana ER** (2024). *Genetics & Crop Improvement*, Manjusha Publications ISBN:978-93-90930-98-2

CHAPTER IN BOOKS

Minoo Divakaran, R. Suseela Bhai, Rebeca Menchaca Garcia, *et al.*, (2023). *Vanilla*, © Springer Nature In P. N. Ravindran *et al.* (eds.), *Handbook of Spices in India: 75 Years of Research and Development*

PUBLICATION IN SEMINAR PROCEEDINGS

Dipija AP & Deena Meria Jose. Qualitative and quantitative phytochemical analysis in selected species of *Sida*. National Seminar on Green Economy : Concepts and Perspectives, Govt College Madapally & Directorate of Collegiate Education, Govt of Kerala, 26-27 October 2023.

Theetha MD & Archana ER Biogenic synthesis of Silver nanoparticles using *Cardamine hirsuta* L. and its characterization, Proceedings of the National Seminar - Green Economy-Concepts & Perspectives, October, 2023.

Sariga K P & Archana ER. Biogenic synthesis of Silver nanoparticles using *SETARIA PARVIFLORA* (Poir.)Kerguelen plant extract and its characterization. Proceedings of the National Seminar - Green Economy-Concepts & Perspectives, October, 2023.

Amitha Sajeev & Deena Meria Jose Spectrophotometric determination of pigments of some marine algal species from the shore of Thikkodi, Kozhikode, using different solvents. International Seminar on Biodiversity conservation: In situ & Ex-situ strategies, KSBB & Department of Botany, Providence Women's College, Kozhikode, Jan 24-25, 2024.

Gopika VM & Pilty Peter A. Phytoremediation of selected heavy metals with a note on associated biochemical and morphological changes in *Alternanthera philoxeroides* (Mart.) Griseb. International Seminar on Biodiversity conservation: *In situ & Ex-situ* strategies, KSBB & Department of Botany, Providence Women's College, Kozhikode, Jan 24-25, 2024.

Keerthana MS & Pilty Peter A. Phytoremediation of selected heavy metals with a note on associated physiological and root morphological changes in *Alternanthera philoxeroides* (Mart.) Griseb. at Maghunnithodu, Kozhikode. International Seminar on Biodiversity conservation: *In situ & Ex-situ* strategies, KSBB & Department of Botany, Providence Women's College, Kozhikode, Jan 24-25, 2024.

Fathima Febin C P & Veena V. Floral biology, floral phenology and some pollination aspects in *Chassalia curviflora* (Wall.) Thwaites. International Seminar -Biodiversity conservation, organized by KSBB & the Department of Botany, Providence Women's College, Kozhikode, Jan 24-25, 2024.

Aparna Sudarsan & Savitha Rabeque C. Allelopathic potential of aqueous leaf extract of *Amaranthus retroflexus* L., *Azadirachta indica* A. Juss., and *Lantana camara* L. on *Vigna radiata* (L) R. Wilczek and *Vigna mungo* (L.) Hepper. International Seminar on Biodiversity conservation, organized by KSBB & the Department of Botany, Providence Women's College, Kozhikode, Jan 24-25, 2024.

SEMINAR PROCEEDINGS PUBLISHED



Proceedings of the International Seminar on Biodiversity conservation:

In situ & Ex-situ strategies,

Sponsored by KSBB & DoECC, organized by the Department of Botany, Providence Women's College, Kozhikode. Jan 24-25, 2024.

ISBN 978-93-340-0466-3

Editors: Pilty Peter A & Deena Meria Jose



PROJECTS SANCTIONED

FUNDING AGENCY: KERALA STATE BIODIVERSITY BOARD

Project title: **Ex situ** conservation of Red listed species

Principal Investigator: Dr. Minoo Divakaran

Co investigator : Sr. Pilty Peter A

Amount sanctioned : **Rs. 3,00,000**

Project duration : 12 months

OTHER GRANTS RECEIVED

FUNDING AGENCY: DIRECTORATE OF ENVIRONMENT AND CLIMATE CHANGE

Amount sanctioned : **Rs. 10,000** Purpose: Annual recurring grant of Bhoomithrasena

Amount sanctioned : **Rs. 10,000**

Purpose: To observe Environmentally significant / UN declared days at the college level

FUNDING AGENCY: KERALA STATE BIODIVERSITY BOARD

Amount sanctioned : **Rs. 20,0000**

Purpose: To organize the International Seminar: Biodiversity Conservation- *in situ* and *ex situ* strategies (24-25 Jan 2024)

FACULTY AS RESOURCE PERSONS

INVITED LECTURES



DR. MINOO DIVAKARAN

Biotechnology for Sustainable Development, National Seminar on Plant Biodiversity, Genetics, Breeding and Biotechnology, Dec 7-8, 2023, Dept of Botany, University of Calicut, on 07.12.2023

Reliving Mendelian Legacy : Harnessing Biotechnology for genetic improvement in Vanilla, Gregor Mendel Foundation Lecture, Dept of Botany, University of Calicut, 04.08.2023

Institutional Accreditation – National Accreditation Process, One-day Faculty Development Program, Baithulizza Arts and Science College, Narikunni, Calicut, on 19.05.2023.



SESSION CHAIRED

DR. MINOO DIVAKARAN

Two Day National Seminar on Plant Biodiversity, Genetics, Breeding and Biotechnology, Dec 7-8, 2023, Dept of Botany, University of Calicut,



DR. SAVITHA RABEQUE C

Two-day National Conference on Research-Catalyst for National Development organized by Research and Development Cell, St. Thomas College (Autonomous), Thrissur. March 1-2, 2024.



SESSION CO-CHAIR

International Seminar on Plant Systematics: Present status and Future Prospects
Department of Botany, University of Calicut, Kerala. 15-17 Feb 2024.

DR. VEENA V



FACULTY AS CHAIRPERSON OF BOARDS OF EXAMINATIONS

MSc Botany, University of Calicut-North region
BVoc Organic Farming, University of Calicut

DR. DEENA MERIA JOSE



MSc Botany, University of Calicut-North region

DR. MINOO DIVAKARAN



FACULTY AS SUBJECT EXPERTS FOR SELECTION COMMITTEES

Subject expert nominated by the University of Calicut, for CAS Selection Committee at ZG College, Kozhikode and St. Joseph's College (Autonomous) Devagiri, Kozhikode
Subject expert nominated by the MG University, for CAS Selection Committee at MES College Marampally, Aluva.

DR. DEENA MERIA JOSE



External Subject expert for selection of Project Fellows at KSCSTE-MBGIPS, Feb 20, 2024

Subject expert nominated by the University of Calicut for Course Affiliation inspection at KAHM Unity Women's College, Manjeri, March 2024

Subject expert nominated by the University of Calicut, for CAS Selection Committee at ZG College, Kozhikode and St. Joseph's College (Autonomous) Devagiri, Kozhikode


DR. MINOO DIVAKARAN





PAPER PRESENTATIONS BY FACULTY


**Saranya Babu Jayaprakash CM & Minoo Divakaran.** Micropropagation and conservation of *Symplocos cochinchinensis* (Lour.) S. Moore. **ASEAN Conference on medicinal forest trees, Philippines.** 6-7 Sept 2023.



**Minoo Divakaran & Jeena K** 2024 Implementation of the DBT Star College scheme- update, presented at the 13th Task Force Meeting of DBT Govt of India, Coimbatore, 7-9th Feb, 2024.


**Veena V & Santhosh Nampy** 2024. International Seminar on Plant systematics: Present Status and future prospects, organized by Dept. of Botany, University of Calicut 15-17 Feb 2024

**Archana E R & John E. Thoppil.** Comparative analysis of the antioxidant efficacy of some selected taxa of *Aglaia louriero*. Paper presentation in the National Seminar on Green Economy - Concepts & Perspectives, Govt. College, Madappally 26-27 October 2023.


**Dipija AP & Deena Meria Jose** 2024. Ecogeographic variation in morphological traits of *Sida rhomboidea* - a study from three districts of north Kerala. International Seminar on Biodiversity Conservation: In situ & Ex-situ strategies, KSBB & Department of Botany, Providence Women's College, Kozhikode, Jan 24-25, 2024.

Dipija AP & Dr. Deena Meria Jose 2023. Qualitative and quantitative phytochemical analysis in selected species of *Sida*. National Seminar on Green Economy : Concepts and Perspectives, Govt College Madapally & Directorate of Collegiate Education, Govt of Kerala, 26-27 October 2023.


PAPER PRESENTATIONS BY RESEARCH SCHOLARS

**Fathima Rafeia NT and Minoo Divakaran.** Stomatal characterization of *Vanilla walkeriae* wight. In relation to *Vanilla planifolia* - National Seminar-Green Economy: Concepts and perspectives, organised by Govt. College Madapally (26-27 Oct 2023).

Fathima Rafieah NT, Minoo Divakaran* Anjana V Ajith, Abidha E.K. 2024. Morpho-genetic analysis of a few medicinal *Ocimum* spp, International Seminar on Biodiversity conservation: In situ & Ex-situ strategies, KSBB & Department of Botany, Providence Women's College, Kozhikode, Jan 24-25, 2024.

**Abidha EK and Minoo Divakaran*** 2024 GC-MS based comparative metabolomic profiling of four *Curcuma* species. National Conference on Integration of Multi-Omics Approaches For Crop Improvement 4-5 March 2024, Centre for Plant Molecular Biology & Biotechnology, TNAU Coimbatore.

Abidha EK and Minoo Divakaran* 2023 Comparative GC MS analysis of *Curcuma caesia* Roxb and *Curcuma longa* L. National Seminar on Plant Biodiversity, Genetics, Breeding and Biotechnology, Dept. of Botany, Unverssity of Calicut. December 7 & 8, 2023

**Athulya Sadanand CP, Minoo Divakaran*** and Madhusoodanan PV 2023 Balancing Biodiversity and multiplication: an in vitro cultivation approach for selected medicinal plants for future, National Seminar on Green Economy : Concepts and Perspectives, Govt College Madapally & Directorate of Collegiate Education, Govt of Kerala, 26-27 October 2023.

Athulya Sadanand CP, Minoo Divakaran* and Madhusoodanan PV 2023 A comparative study on in vitro spore germination and medicinal properties, for conservation and utilization of *Platyserium* spp.

PAPER PRESENTATIONS BY PG STUDENTS

Akhila M & Pilty Peter A. Major ecological concerns in Kerala with special reference to the role of mangroves. Youth gathering organized by CCBI commission for ecology as a part of Prithvi Parivar, a Pan India Ecological Movement at Hyderabad (attended by 3 sem PG students) (30-09-2023 to 02-10-2023).

Amitha Sajeev & Deena Meria Jose. Spectrophotometric determination of pigments of some marine algal species from the shore of Thikkodi, Kozhikode, using different solvents. International Seminar on Biodiversity conservation, organized by KSBB & the Department of Botany, Providence Women's College, Kozhikode, Jan 24-25, 2024.

Fathima Febin C P & Veena V. Floral biology, floral phenology and some pollination aspects in *Chassalia curviflora* (Wall.) Thwaites, presented at the International Seminar on Biodiversity conservation, organized by KSBB & the Department of Botany, Providence Women's College, Kozhikode, Jan 24-25, 2024.

Gopika VM & Pilty Peter A. Assessing the Phytoremediation Potential of *Acanthus ilicifolius* L. towards nickel and chromium stress, with a note on morphological and biochemical parameters at Manghunnithodu, Kozhikode. International Seminar on Biodiversity conservation, organized by KSBB & the Department of Botany, Providence Women's College, Kozhikode, Jan 24-25, 2024.

Keerthana MS & Pilty Peter A. Assessing the Phytoremediation Potential of *Acanthus ilicifolius* L. towards nickel and chromium stress, with a note on physiological and anatomical parameters at Manghunnithodu, Kozhikode. International Seminar on Biodiversity conservation, organized by KSBB & the Department of Botany, Providence Women's College, Kozhikode, Jan 24-25, 2024.

Aparna Sudarsan & Savitha Rabeque C. Allelopathic potential of aqueous leaf extract of *Amaranthus retroflexus* L., *Azadirachta indica* A. Juss., and *Lantana camara* L. on *Vigna radiata* (L) R. Wilczek and *Vigna mungo* (L.) Hepper. International Seminar on Biodiversity conservation, organized by KSBB & the Department of Botany, Providence Women's College, Kozhikode, Jan 24-25, 2024.

Meghna S Mohan & Deena Meria Jose. Ecological conservation of endemic tree species through Indigenous Technology Knowledge. A case study of selected scheduled tribes of Wayanad. International Seminar on Biodiversity conservation, organized by KSBB & the Department of Botany, Providence Women's College, Kozhikode, Jan 24-25, 2024.

Navya S & Minoo Divakaran. *In vitro* antioxidant activity of methanolic leaf extract in two medicinal plants. International Seminar on Biodiversity conservation, organized by KSBB & the Department of Botany, Providence Women's College, Kozhikode, Jan 24-25, 2024.

COLLABORATIONS FOR ACADEMIC & RESEARCH ACTIVITIES

University of Veracruz, Mexico
ICAR IISR Kozhikode
ICAR IISR Regional station, Coorg
CUBE TIFR
JNTBGRI Thiruvananthapuram
KSCSTE KFRI Peechi
KSCSTE-KFRI Sub Centre Nilambur

KSCSTE MBGIPS, Kozhikode
KSCSTE CWRDM, Kunnammangalam
Dept of Botany University of Calicut
DoECC, Govt. of Kerala
Kerala State Biodiversity Board (KSBB)
CCDU, Water Resources Dept, Govt. of Kerala
Regional Soil testing Lab, Kozhikode
Gurukula Botanical Sanctuary, Wayanad

AWARDS/RECOGNITIONS

AD SCIENTISTS RANKING 2024

Dr. Deena Meria Jose, Dr. Minoo Divakaran, Dr. Veena V, Dr. Archana ER and Dr. Sharanya Babu Jayaprakash were figured in the AD scientists ranking 2024

World Scientists Rankings 2024										H-index			I10 INDEX			CITATIONS		
Institution	Country	Region	World	Subject	Total	Last 6 year	Last 6 year total	Total	Last 6 year	Last 6 year total	Total	Last 6 year	Last 6 year total					
														Sort by last 6 years H Index				
1	India	15,734	1,06,796	5,13,354	Minoo Divakaran	20	14	0.7	39	21	0.538	1,360	677	0.498				
4	India	52,903	2,95,917	11,49,986	Deena Meria Jose	6	4	0.667	5	2	0.4	294	77	0.262				
6	India	65,020	3,59,452	12,83,835	Sarany Babu Jayaprakash Cm	2	2	1	1	1	1	30	30	1				
9	India	69,124	3,79,915	13,25,920	Veena V	2	2	1	0	0	0	10	10	1				
12	India	85,621	453,777	1,534,050	Archana Er	1	1	1,000	0	0	0	6	4	0.667				

AWARDS RECEIVED BY FACULTY

BEST ORAL PRESENTATION AWARD

DR. VEENA V

International seminar on Plant Systematics present status and future prospects (in the phytogeography, ecology and pollination biology section) organized by Dept. of Botany, University of Calicut, 15-17 Feb 2024

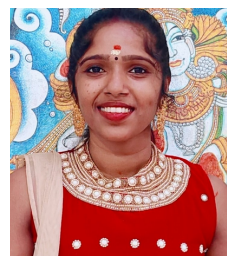


AWARDS RECEIVED BY RESEARCH SCHOLARS

BEST PAPER PRESENTATION AWARD

MRS. ATHULYA SADANAND

Third international Scientific Conference on Environmental Research: Issues, challenges and strategies for sustainable development and livelihood security held at Karvar, Karnataka 1-2 Dec 2023



National Seminar on Green Economy: concepts & perspectives, organized by Govt. college, Madappally 26-27 October 2023



SECOND PRIZE FOR POSTER PRESENTATION

MRS. ABIDA EK

National Conference on Integration of Multi-Omics Approaches for Crop Improvement 4-5 March 2024, Centre for Plant Molecular Biology & Biotechnology, TNAU Coimbatore.

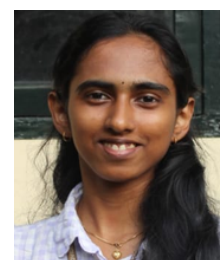


FELLOWSHIPS RECEIVED BY PG STUDENTS

ASPIRE FELLOWSHIP BY GOVT. OF KERALA

MS. SHYAMA K

MSc Botany IV semester



RESEARCH MOTIVATION PROGRAMMES FOR PG STUDENTS

INTERACT WITH A SCHOLAR

07-12-2023.

Topic: Pathogens & Vectors:
Ms. Maneesha K, Research Scholar
Dept. of Zoology, Providence
Women's College



08-12-2023.

Topic: Roles played by wetlands:
Ms. Sugamya P, Research Scholar
CWRDM, Kunnamangalam,
Kozhikode



CONSULTANCY SERVICES

SCHOOL OF PLANNING AND ARCHITECTURE, NEW DELHI

Provided necessary information in the form of factual data and reports for the IVth Semester Master of Planning Thesis of Mr. Arunraj VR (PG student at School of Planning and Architecture New Delhi), entitled Environmental Planning Strategies for ensuring a symbiotic relationship between an urban area and wetland - A Case study of Kottooli wetland, Kerala.

Faculty involved: **Dr. Deena Meria Jose**

WMO ARTS AND SCIENCE COLLEGE, MUTTIL, KALPETTA

Documentation and incorporation of QR codes for Plant Biodiversity
October – Dec 2023

Faculty involved: **Dr. Minoo Divakaran**

ST. XAVIER'S COLLEGE, ERANJIPALAM, KOZHIKODE

Proficient guidance was furnished for documentation and meticulous maintenance of records in academic institutions.

Faculty involved: **Entire Faculty**



JDT ISLAM COLLEGE OF PHARMACY, VELLIMADUKUNNU, KOZHIKODE

Identified and authenticated the plant specimens for B Pharm student research projects.

Faculty involved: **Dr. Minoo Divakaran**

RESEARCH GUIDANCE

RESEARCH GUIDES

Dr. Minoo Divakaran
Dr. Deena Meria Jose
Dr. Savitha Rabeque C

RESEARCH SCHOLARS

Mrs. Abida EK (Guide: Dr. Minoo Divakaran)
Mrs. Fathima Rafieah NT (Guide: Dr. Minoo Divakaran)
Mrs. Athulya Sadanand (Guide: Dr. Minoo Divakaran)
Mrs. Dipija A P (Guide: Dr. Deena Meria Jose)
Mrs. Bhagyasree Raveendran PK (Guide: Dr. Deena Meria Jose)

INSTITUTION LEVEL

06-06-2023

One Day Workshop - **Biofertilizer Technology** organized in collaboration with Organic Rich Exports, Alappuzha.



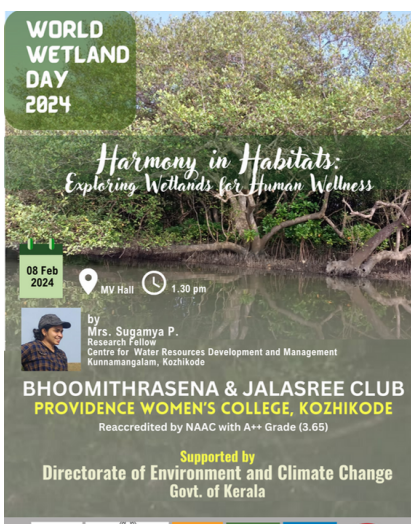
09-10-2023

One Day seminar - **Navigating through research landscape for sustainable living**, organized jointly with IQAC and R&D Cell



08-02-2024

One Day Workshop - **Harmony in habitats: Exploring wetlands for human wellness** sponsored by DoECC



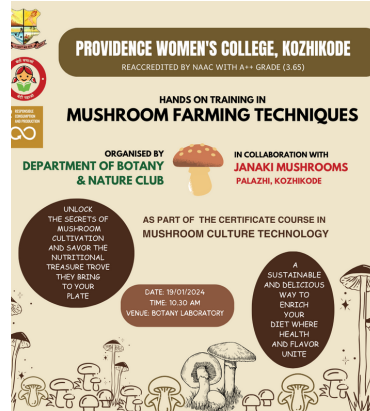
TRAINING PROGRAMMES ORGANIZED

TRAINING PROGRAMMES ORGANIZED FOR STUDENTS

TRAINING IN MUSHROOM CULTURE TECHNOLOGY

19-01-2024

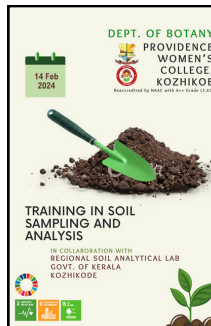
Training in Mushroom Farming Techniques organized in collaboration with Janaki Mushrooms, Paalazhi, Kozhikode



TRAINING IN SOIL SAMPLING AND NUTRIENT ANALYSIS

14-02-2024

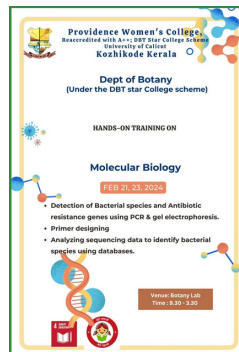
Training in soil sample collection for UG students in collaboration with Regional soil Analysis Laboratory, Kozhikode



HANDS ON TRAINING IN MOLECULAR BIOLOGY

21-02-2024 & 23-02-2024

Training in molecular Biology Techniques organised under the DBT Star College Scheme, in collaboration with Sympport Biosciences for UG students



HANDS ON TRAINING ON PLANT TISSUE CULTURE TECHNIQUES

01-03-2024

Training in Plant Tissue culture Techniques organised under the DBT Star College Scheme for UG students



HANDS ON TRAINING IN MOLECULAR & PHYTOCHEMICAL TECHNIQUES



22-02-2024

Training in molecular Biology organized by the Centre for MedicinalPlants Research, Arya Vaidya Sala Kottakkal

HANDS ON TRAINING IN MICROSCOPY

01-03-2024

Training in Microscopy and imaging Techniques organized under the DBT Star College Scheme for UG students



TRAINING PROGRAMMES ORGANIZED FOR LABORATORY ASSISTANTS

TRAINING IN MICROSCOPY

22-02-2024

Training in Microscopy organized under the DBT Star College Scheme, in collaboration with Olympus Microscopes



WEBINARS ORGANIZED

Workshop -
Create your own QR for plants (06-07-2023)
Speaker:
Dr. Jobi Paul
St. Thomas College, Thrissur

POST GRADUATE & RESEARCH DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, CALICUT

CREATE YOUR OWN QR FOR PLANTS




ONLINE WORKSHOP
BY
Dr. JOBY PAUL
ASSISTANT PROFESSOR
ST. THOMAS (AUTONOMOUS) COLLEGE,
THRISSUR

DATE: 06.07.2023
TIME: 7 PM

Seminar -
Advanced cytogenetic techniques
(14-12-2023).
Keynote speaker:
Dr. Sobhakumari VP,
Principal Scientist,
ICAR Sugarcane Breeding Station,
Coimbatore

SEMINAR ON
ADVANCED CYTOGENETIC TECHNIQUES
14 DECEMBER, 2023: 10.30AM




DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE,
KOZHIKODE 673009




COMEMORATIVE LECTURES ORGANIZED

TRIBUTE TO THE LEGEND PROF M S SWAMINATHAN

11-10-2023

Presentation on the life and contributions of Prof. M S Swaminathan, an eminent Indian agricultural scientist and geneticist, also known as the Father green revolution in India.




DR. JIJA MATHEW MEMORIAL FRONTIER LECTURE 14-03-2024

14-03-2024

Frontier lecture on Plant Genomics for crop Improvement, organized in memory of Dr. Jija Mathew, Former faculty.
Speaker:
Prf. Paramjith Khurana
Rtd. Prof.
Dept. of Molecular Biology
University of Delhi

PROVIDENCE WOMEN'S COLLEGE, (AUTONOMOUS), KOZHIKODE -09
Reaccredited with NAAC A++ (3.65), DBT Star college

DEPARTMENT OF BOTANY

DR. JIJA MATHEW MEMORIAL FRONTIER LECTURE

TOPIC: "PLANT GENOMICS FOR CROP IMPROVEMENT"



RESOURCE PERSON:
PROF. PARAMJITH KHURANA
Rtd. PROFESSOR,
DEPARTMENT OF PLANT MOLECULAR BIOLOGY
UNIVERSITY OF DELHI

VENUE: CARMEL HALL
14 MARCH, 2024
10.30 AM






EXTENSION ACTIVITIES



MOTHER VERONICA TROPHY 2023-24 FOR THE BEST DEPARTMENT IN EXTENSION ACTIVITIES



ACTIVITIES UNDERTAKEN TO EMPOWER WOMEN OUTSIDE THE CAMPUS

Training programme in biofertilizer technology for women in the adopted villages under UBA scheme



Training in Mushroom farming for women in adopted villages under UBA scheme

ACTIVE ROLE IN ADDRESSING URBAN ENVIRONMENTAL CONCERNS

River protection activity-Awareness programme in collaboration with Kerala River Protection council on the National water way and the future of Kottooli wetlands (August 2023)

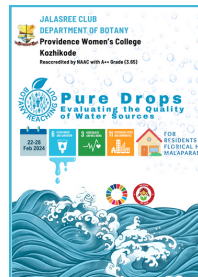


ACTIVITIES FOR SUSTAINABLE LIVING, ORGANIZED FOR THE NEIGHBOURHOOD

Soil fertility analysis and distribution of soil health cards (February 2024) - Floral Hill, Malaparamba



Water quality analysis and distribution of water cards for 35 houses (February 2024) - Floral Hill, Malaparamba

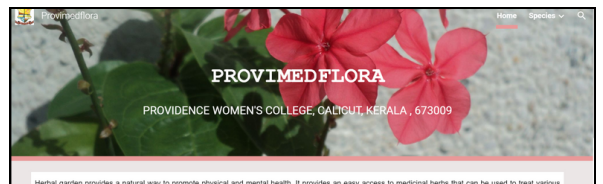


OTHER UNIQUE ACTIVITIES TO SPREAD AWARENESS ON CONSERVATION

Provi P QR - Identification and labelling campus trees with Boards carrying QR codes, to enhance knowledge about plant wealth and to create a sense of conservation among students. Under this, campus trees of GHSS Medical College were identified and labelled. Campus trees of WMO College, Muttill, Wayanad were identified and technical assistance in generation QR codes was provided.



Provimedflora. Objectives: To provide information on the medicinal uses of herbs. Beneficiaries: general public and students. Level of implementation: Launched the database



Affixed floral printed boards with QR codes that, when scanned, unlock playlists starting with the names of various flowers. Objective: Mental health and stress relief. Beneficiaries: staff and students.



UBA ACTIVITIES





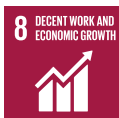
















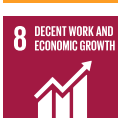









63 students participated in the Harithamithram Survey and QR coding as part of Azhaku Project of Kozhikode Municipal Corporation (nearly 400 houses in ward 12, 14 & 15) (May-June 2023)

21 students participated in the Harithamithram Survey and QR coding at Kuruvattoor Gramapanchayath. (December 2023)



PURSUIT OF SUSTAINABLE DEVELOPMENT GOALS

Maintaining Musa Gene Bank - a conservatory of musa germplasm in collaboration with Niravu Organic Village (throughout the year) : neighboring areas.			
Maintains Santhisthal - a repository of endemic and traditional fruit trees			
Maintains gene banks of Tulsi, Vanilla, Turmeric etc			
International Seminar on Biodiversity conservation: Ex situ and in situ strategies (24-25 January 2024)			
Organized a Seminar on advanced Cytogenetic Techniques (14 December 2023)			
Organized a Workshop on Create your own QR for plants (06 July 2023)			
Organized a Seminar- Navigating through research landscape for sustainable living (09 October 2023)			
Students visited various research stations to get them exposed to high end research happening in the field			
Students visited natural habitats and ex situ & in situ conservatories to study about biodiversity and conservation			
Observed International Yoga Day Observed International Year of millets			
Observed International Plastic Bag free Day			
Observed World Environment Day Observed International Day of Biological Diversity			
Observed World Water Day Observed World Soil Day			
Observed World Mangrove Day Observed World Wetland Day			

Harithamithram survey (May-June 2023) - Area benefitted: Wards 12, 14 and 15 (Malaparamba, Paroppady, Vellimadukunnu area) in Kozhikode Municipal Corporation					
Identification and labelling campus trees with Boards carrying QR codes (June 2023) - Institution benefitted: GHSS Medical college Campus, Kozhikode					
Training programme in biofertilizer technology for women in collaboration with industry, PV exports, Alappuzha (June 2023)- Area benefitted: adopted villages under UBA scheme					
Magical Mangroves - Mangrove and wetland restoration programmes - in collaboration with WWF-India- Phase 1- Planting mangrove saplings (July & September 2023) - Area benefitted: Kotooli wetlands					
Provimedflora (Preparation of medicinal Plant data base)(July-December 2023) People benefitted: General public and school/college students					
River protection activity- Awareness programme in collaboration with Kerala River Protection council (August 2023) Area benefitted: Encroached areas of Kadalundi River					
Identification and labelling campus trees with Boards carrying QR codes (Nov 2023) - Institution benefitted: WMO College Muttill, Wayanad & GHSS Medical College Campus, Kozhikode					
Harithamithram survey (December 2023)- Area benefitted: Kuruvattor Grama Panchayath					
Orientation in documentation & file keeping (December 2023) Institution benefitted: St. Xavier's College Eranjipalam					
Magical Mangroves - Mangrove and wetland restoration awareness programmes in collaboration with WWF-India : Phase II (January 2024) - Area benefitted: Kadalundi wetland					
Training in Mushroom farming for women (Jan 2024) -Area benefitted: adopted villages under UBA scheme					
Awareness programme on National water way and the future of Kottooli wetlands- in collaboration with Canoli Canal Protection council (January 2024)					
Magical Mangroves - Mangrove and wetland restoration programmes -Phae III- Planting mangrove saplings (February 2024) - Area benefitted: Punchavayal wetland					
Water quality analysis and distribution of water cards for 35 houses (February 2024) - Area benefitted: 35 houses in Florical Hill, Malaparamba areas					
Soil fertility analysis and distribution of soil health cards in collaboration with Regional Soil testing laboratory, Kozhikode, (February 2024) - Area benefitted: Florical Hill, Malaparamba					

CAREER GUIDANCE

Career Guidance session was organized for final year BSc students in collaboration with Alchemy Institute on 20 July 2023

Career Guidance session was organized for final year MSc students in collaboration with SERAH on 04 March 2024



ACHIEVEMENTS IN COMPETITIVE EXAMINATIONS



GOPIKA VM
MSc Botany 2022
ICAR AICE JRF
AIR 13



FAHIMA SANA PP
BSc Botany 2023
CSIR JRF



ARYAMANASA A
BSc Botany 2018
HSA Natural Science
Kerala PSC



KEERTHANA MS
MSc Botany 2022
SET Life Science



PRITTY JOHN
MSc Botany 2021
SET Life Science

PLACEMENTS



Bilja P
MSc Botany 2018
Agriculture Assistant
Krishibhavan, Thalassery



Pritty John
MSc Botany 2021
Faculty of Science
Xylem Learning



Ancy P Reji
BSc Botany 2018
Guest lecturer
St. Mary's College
Sulthan Bathery



Amala Anju C
BSc Botany 2016
Guest Lecturer
Pazhassiraja College
Pulpally



Dipija AP
MSc Botany 2015
Guest lecturer
Providence Women's
College, Kozhikode



Sharanya BCM
BSc Botany 2007
Guest lecturer
Providence Women's
College, Kozhikode

ALUMNAE ACHIEVEMENTS



Theertha MD, MSc Botany 2022
CUBE Awards 2023
Obaid Siddiqui Award for Pursuit of Excellence

SKILL TRAINING PROGRAMMES

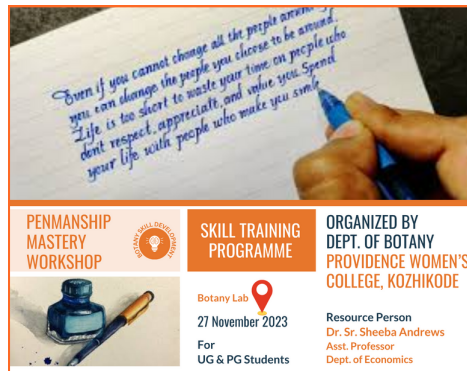
PUBLIC SPEAKING AND SPOKEN ENGLISH

For MSc Botany students



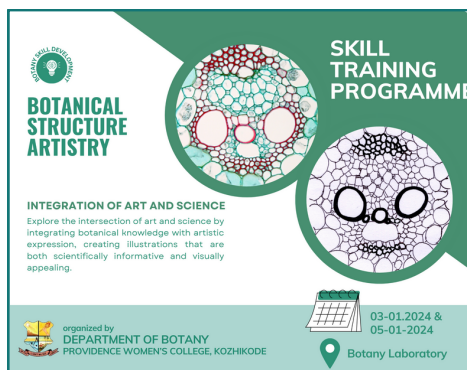
PENMANSHIP MASTERY PROGRAM

For MSc and BSc Botany students



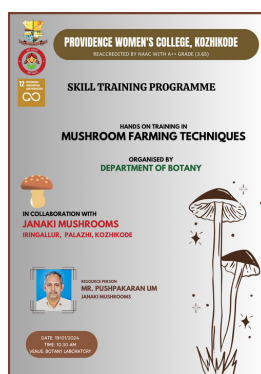
BOTANICAL STRUCTURE ARTISTRY

For I semester BSc and MSc Botany students



MUSHROOM FARMING TECHNIQUE

For I sem BSc and MSc Botany students



YOGA MASTERY PROGRAM

For 5 sem BSc Botany students



ACHIEVEMENTS/ RECOGNITIONS RECEIVED BY STUDENTS

NATIONAL LEVEL - NCC



Anamika KP (3 sem BSc Botany)

1. Secured Gold medals in Field craft and Battle craft & Health and hygiene in Inter battalion competition-TSC 2023, representing 9K Girls Battalion.

2. secured Silver medal in Field craft and Battle craft in Inter Group Competition -TSC 2023, representing Calicut Group(State level competition)

3. Secured Bronze medal in Field craft and Battle craft in All India Thal sanik Camp 2023 held At New delhi representing kerala and lakshadweep directorate(National level)



NATIONAL LEVEL - SPORTS



Hafeefa Sherin CP (6 sem BSc Botany)

- Cycle Polo National Federation Cup. (Runner-up)
- All India 15's Rugby National championship.(5 position)
- Khelo India Woman's Rugby championship (4position)



STATE LEVEL - DANCE RECITAL



Kavya Chandran VM (3 sem MSc Botany) presented a dance performance in honour of the literary legend MT Vasudevan Nair at the Kerala Literature Festival 2024



INSTITUTION LEVEL



Arshitha Shamsu (3 sem BSc Botany) secured 2nd Price in Nexus -the Ideathon competition organized by IEDC, PWC



Top scorers in the Certificate course- Bioplastics examination conducted by Northamps Global Solutions



Anagha NP
I Sem MSc



Shyama K
III Sem MSc



Jovita Maria Libera & Athmana B (6 sem BSc Botany) secured 2nd Price in the Malayali manga competition held as a part of Ethnic Day 2023 organized by the Students Union



FACULTY DEVELOPMENT / TRAINING PROGRAMMES ATTENDED

FACULTY DEVELOPMENT PROGRAMS

Dr. Deena Meria Jose

Seven Day National Level Online Faculty Development Program on Outcome Based Education (OBE) organized by Nirmala College, Muvattupuzha in association with the Kerala State Higher Education Council from 10 May to 17 May 2023.

Eight Day National level online Faculty Development program on Research methodology using ChatGPT and AI Tools organized by the Dept. of Computer Science, IQAC and the Lincoln University College Marian research centre, Marian College Kuttikkanam in association with KSHEC from 21 Sept to 29 Sept 2023

Dr. Minoo Divakaran

Seven Day National Level Online Faculty Development Program on ChatGPT & AI Tools for Educators, organized by Marian College, Kuttikkanam and Kerala State Higher Education Council, 14-21 June 2023

Dr. Veena V

One Week National level Online Faculty Development Program on Outcome Based Education and Application of Generative AI in Teaching and Research, organised by the DST-CURIE-AI center of Sri Padmavati Mahila Visvavidyalayam (SPMVV University), Tirupati, in association with IPSR solutions limited from 18 March 2024 to 23 March 2024

Sr.Pilty Peter A

National online Faculty Development Program on OBE& Essential AI tools for teachers organized by IQAC, St. Alberts College & KSHEC 02/11/23 - 9/11/23

Dr. Archana ER

Open AI for Academicians organized by Department of Data Science, St. Joseph's College, Trichi, from 16 - 22 August, 2023

One week Online Faculty Development Programme on "Advanced Pedagogical Techniques" organized by the TLC. Ramanujan College, University of Delhi, PWC & Burageon College, Assam under MMTTP from 23rd March, 2024 – 29th March, 2024

Dr. Savitha Rabeque C

One week Online Faculty Development Programme on "Advanced Pedagogical Techniques" organized by the TLC. Ramanujan College, University of Delhi, PWC & Burageon College, Assam under MMTTP from 23rd March, 2024 – 29th March, 2024

TRAINING PROGRAMS

Sr.Pilty Peter A

Online Training for Biodiversity Clubs- 'Relevance and importance of observance of Environment related Global days' 24/02/24

Online Training for Biodiversity Clubs- 'Biocultural Diversity & Traditional Knowledge'. 27/01/24.

Training for Biodiversity Clubs- 'Sacred Grove Conservation' 16/12/24

Dock and Design -workshop on drug discovery through molecular docking organized by Providence Women's College, Kozhikode. 5-6 April 2024.



Mrs. Dipija AP

Two Day training workshop on Phytochemical Techniques organized by Central Instrumentation Facility, kSCSTE-Jawaharlal Nehru Tropical Botanical Garden and Research Institute, Thiruvananthapuram. 13/11/2023 & 14/11/2023

INVOLVEMENT OF FORMER FACULTY AND ALUMNAE



Guiding Lights

The support of retired faculty members adds a layer of legitimacy and expertise to our initiatives



Mrs TC Mary, former HoD and NSS programme officer being honoured on the event of the 50th year celebration of the Janakeeya road constructed during her tenure in 1973

Visit by Former Teachers
Mrs. T Umadevi, Mrs. TV Kamalam,
Dr. M Shylaja & Mrs. TC Mary



Dr. M Shylaja, Former HoD donated her priceless collection of rarities to the college library



ALUMNAE ENGAGEMENT



Back to Alma Mater



COLLABORATIONS FOR BIODIVERSITY CONSERVATION & ENVIRONMENTAL SUSTAINANCE

INTERNATIONAL ORGANIZATIONS



NATURE POSITIVE UNIVERSITIES ALLIANCE

Nature Positive Universities is a partnership between **University of Oxford, UNEP Youth & Education and the UN Decade on Ecosystem Restoration**. This is a growing network of people from over 500 higher education institutions across the world, working together to promote nature on our campuses. **Student Ambassadors** from Providence Women's College work for conservation of nature, under this banner.



MAGICAL MANGROVES CAMPAIGN with WWF-India

The campaign 'Magical Mangroves', was launched in collaboration with **WWF India** (World Wide Fund for Nature, India) It is a nationwide campaign which highlights the significance of mangroves conservation in present times and urges citizens to join the conservation movement.

Student Volunteers from Providence Women's College work for conservation of mangroves, under this banner.



NATIONAL LEVEL ORGANIZATIONS



NABARD

Musa gene bank - collection of more than 40 varieties of Musa is maintained on the campus. The project was supported by **NABARD**. This gene banks preserve a wide range of banana cultivars, including wild species and traditional varieties, ensuring that they are not lost over time.



NATIONAL MEDICINAL PLANTS BOARD, MINISTRY OF AYUSH, GOVT. OF INDIA

A medicinal plant garden and home remedy corner is maintained on campus with the support from **National Medicinal Plant Board**, Ministry of Ayush.



STATE GOVT. ORGANIZATIONS



**DIRECTORATE OF ENVIRONMENT AND CLIMATE CHANGE,
GOVT. OF KERALA**

Bhoomithrasena, a scheme for spreading awareness of conservation of nature was implemented in 2009, with the support from DoECC. Environmental sensitization programs are arranged every year under this scheme.



WATER RESOURCES DEPT., GOVT. OF KERALA

Jalasree, a scheme for Water conservation activities supported by CCDU, Water Resources Dept., Govt. of Kerala is functioning since 2013, which organizes water literacy programs, water quality analysis etc. regularly



KERALA STATE BIODIVERSITY BOARD

A Biodiversity club is functioning with support from **KSBB**, which organizes Biodiversity conservation programs on a regular basis. Seminars and projects are being organized regularly under this scheme.



KERALA STATE MEDICINAL PLANTS BOARD

A medicinal plant garden and home remedy corner is maintained on the campus

NON-GOVERNMENTAL ORGANIZATIONS



OISCA

A star plants garden is maintained on campus with the support from **OISCA international**, Kozhikode Chapter.



NIRAVU ORGANIC VILLAGE

Biodiversity conservation programs and waste management programs are implemented on campus with the support and guidance of the project coordinator of Niravu organic Village, Kozhikode



KERALA RIVER PROTECTION COUNCIL

Student volunteers regularly collaborate with the Kerala River Protection Council to conduct sensitization programs focused on conserving and restoring rivers and wetlands. This aims at raising awareness about the importance of river conservation and restoration among the public, policymakers, and stakeholders.



NORTHAMPS GLOBAL SOLUTIONS

Students got trained in scientific waste management and the use of alternate materials like bioplastics as a sustainable alternative to conventional plastics.



PLANT REPOSITORIES MAINTAINED ON CAMPUS



The First harvest from Musa genebank 2 Dec 2023



Musa gene bank - collection of more than 40 varieties of **banana** is maintained on the campus. The project was supported by NABARD. This gene banks preserve a wide range of banana cultivars, including wild species and traditional varieties, ensuring that they are not lost over time.

Shanthisthal-
A repository of **endemic traditional fruit trees** of Kerala is maintained with support from KSBB



Vegetable garden - A collection of **underutilized leafy vegetable crops** is maintained by the Biodiversity club



Vanilla Gene Bank - A collection of different species of **Vanilla** is maintained



Tulsi Gene Bank - A collection of different varieties of **Tulsi** is maintained by the Biodiversity club



Star plants garden - A collection of **birth star plants** is maintained by the Biodiversity club, as a unique and meaningful way to connect with nature and honor cultural traditions



PLANT REPOSITORIES MAINTAINED ON CAMPUS

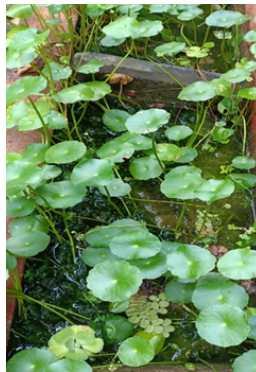
Home remedy corner is maintained, which provides students, faculty, and staff with access to natural remedies for common ailments and health concerns



Medicinal garden - A medicinal herbs collection is maintained inside on the campus, to offer hands-on learning experiences in botany, pharmacology, traditional medicine, and ethnobotany.



AquaFloraHub - A collection of aquatic plants in maintained in the botanical garden to safeguard the species diversity, as many aquatic plant species are threatened due to habitat destruction, pollution, and other human activities.



'Queen's Hive - an initiative of the Biodiversity club to keep honey bees in the botanical garden. Honey bees contribute to the diversity of plant species within the botanical garden by pollinating a wide range of flowering plants housed in the garden



BIODIVERSITY DOCUMENTATION

A **Biodiversity Register** is maintained by the Biodiversity Club which is updated every year. This documentation provides valuable baseline data on the campus's biodiversity, including information about native and non-native species, invasive species etc.



NATURE CAMP

Providence Women's College, Kozhikode
REACCREDITED BY NAAC WITH A++ (3.65)

Nature Camp

Kadalundi Vallikunnu Community Reserve

19 Dec 2023

Organized by
**Bhoomithrasena
Biodiversity Club
Mangrove Ambassadors
& Dept. of Botany**

AS A PART OF
**MAGICAL MANGROVES CAMPAIGN
WITH WWF-INDIA**
To spread awareness about Mangrove Conservation and Restoration

Sponsored by
Social Forestry Extension Division, Dept. of Forest and wildlife

In Collaboration with
Kadalundi Vallikunnu Community Reserve

Bird Sanctuary and Mangrove swamps - the first Community Reserve in Kerala

Bhoomithrasena and Biodiversity Clubs jointly organized a nature camp at **Kadalundi Vallikunnu Community Reserve** as a part of the Magical Mangrove Movement under WWF-India, on 19/12/2023. The nature camp was organized in collaboration with Social Forestry Extension Division, Dept. of Forest and Wildlife, Govt. of Kerala



OBSERVING RELEVANT DAYS

INTERNATIONAL YOGA DAY

Observing
International Yoga Day
&
INAUGURATION OF THE SKILL TRAINING PROGRAMME IN YOGA

Stay healthy by doing yoga every morning, every day

I bend so I don't break

3 GOOD HEALTH AND WELL-BEING

not for the flexible but for the willing

INSTRUCTOR
REVATHI
ALUMNUS,
DEPT. OF BOTANY

27 JUNE 2023
2.30 PM
MV HALL

DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE



INTERNATIONAL YEAR OF MILLETS

POST GRADUATE AND RESEARCH DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

Celebrates
INTERNATIONAL YEAR OF MILLETS 2023

Step into the world of MILLETS

organized by Biodiversity Club

Millet stories unfolding in **2023** @ the Dept. of Botany

- July: Exhibition of millets
- Aug.: Millet Sadya
- Sept.: Poster Presentation
- Oct.: Millet Recipe
- Nov.: Millet Painting
- Dec.: Millet Quiz

Stay tuned!



Providence Women's College, Kozhikode
Re-accredited with grade A++ by NAAC(3,65)

DEPARTMENT OF BOTANY PRESENTS

REELS COMPETITION
TOPIC: MILLETS

Rules:
• Use your creativity to create a reel
• Reel should be upto 1 minute

DEADLINE: 29TH NOV 2023 8:00PM

Send your reel to: 6714568779
8089679450

ALL CAN PARTICIPATE
EXCITING CASH PRIZES
AWAITING!!!

ANTI DRUGS DAY



WORLD ENVIRONMENT DAY

June 5, 2023

WORLD ENVIRONMENT DAY

Our planet is choking on plastic. It's time for a change.

We can # Beat Plastic Pollution

Programmes

- Planting Saplings
- Plastic Eradication Drive
- Fighting invasive weeds
- Updating Campus Biodiversity Register
- Photography & Slogan writing Competitions
- Cleaning campus premises

Organised jointly by

- Nature Club
- Bhoomithrasena
- Biodiversity Club

DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

SOIL HEALTH WORKSHOP

SPONSORED BY
DIRECTORATE OF ENVIRONMENT AND CLIMATE CHANGE,
GOVT. OF KERALA

ORGANISED BY
BHOOMITHRASENA &
DEPARTMENT OF BOTANY
Providence Women's College
Kozhikode

Workshop led by
RAVI MAVILAN
Senior Chemist
Department of Soil Survey and Soil Conservation
Regional Soil Analytical Lab, Govt. of Kerala
Kozhikode

6 DEC 2023
10.00 AM
MV HALL

WORLD SOIL DAY



WORLD WETLAND DAY

PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE
REACCREDITED BY NAAC WITH A++ GRADE

DEPARTMENT OF BOTANY
BHOOMITHRASENA &
JALASREE

WORLD WETLAND DAY 2024

02/02/2024
KANNADIKKAL WETLANDS,
KOZHIKODE

PROGRAMMES

1. തണുത്തുടമ പുനർജീവന യാത്ര
2. Placard making competition
3. Reflections on Wetland Conservation
4. Restoration of Wetlands using mangrove saplings

sponsored by
DIRECTORATE OF ENVIRONMENT AND CLIMATE CHANGE,
GOVT. OF KERALA

WORLD WETLAND DAY 2024

*Harmony in Habitats:
Exploring Wetlands for Human Wellness*

08 Feb 2024
MV Hall
1.30 pm

by
Mrs. Suganya P.
Research Fellow
Centre for Water Resources Development and Management
Kannamangalam, Kozhikode

BHOOMITHRASENA & JALASREE CLUB
PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE
Reaccredited by NAAC with A++ Grade (3.65)

Supported by
Directorate of Environment and Climate Change
Govt. of Kerala



INTERNATIONAL PLASTIC BAG FREE DAY

Post Graduate & Research Department of Botany
Providence Women's College Kozhikode

INTERNATIONAL PLASTIC BAG FREE DAY 3 JULY 2023

ORGANISED BY
BHOOMITHRASENA
NATURE CLUB
BIODIVERSITY CLUB

Competitions

- Recycling ideas
- Paper bag making
- Cloth bag making

Bring out your observation skill and creativity

Photography
Infographic designing

Stop the pollution.
Be part of the solution.

Submit your products to the Dept. of Botany on or before 3 July 2023

No plastic is fantastic

What's up your entries to 2342249210 on or before 3 July 2023

Let us wipe out plastic before it wipes us out.

Approximately 500 billion plastic bags are used worldwide each year
Most of those are only used for an average of 20 minutes
Each bag can take between 500 and 1,000 years to decompose.

BHOOMITHRASENA
Providence Women's College, Kozhikode
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NATIONAL CLEANLINESS DAY 2024

30 Jan 2024
Cleaning Drive

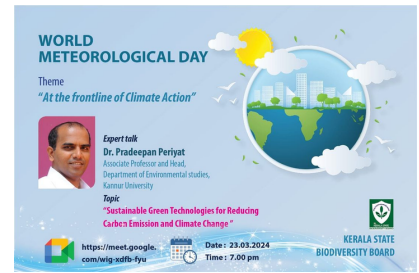
PWC campus premises

Supported by
Directorate of Environment and Climate Change
Govt. of Kerala

NATIONAL CLEANLINESS DAY



OFFCAMPUS OBSERVANCE OF RELEVANT DAYS



International Day of Forests - Programme organized by **Kerala State Biodiversity Board** 21/03/2024

World Water Day Programme at **Centre for Water Resources Development and Management** 22/03/2024

World Meteorological Day Programme organized by **Kerala State Biodiversity Board** 23/03/2024

SUSTAINABLE WASTE MANAGEMENT

GREEN PROTOCOL

Following Green Protocol strictly by avoiding the use of disposable materials



REUSE

Reusing plastic cups for hardening of tissue cultured plants

SEGREGATION

Plastics, papers, degradable materials etc. are segregated, collected and sent for recycling/ composting



EDUCATION on the use of sustainable materials like bioplastics as alternative to plastics

BHOOMITHRASENA CLUB

SUPPORTED BY THE DIRECTORATE OF ENVIRONMENT AND CLIMATE CHANGE, GOVT. OF KERALA

BMC Code: BMC-055/KKD/05/09

Providence Women's College hosted a **training program for FICs** of North Kerala Zone, organized by Directorate of Environment and Climate Change, Govt. of Kerala on 06 March 2024, which was inaugurated by Shri. Suneel Pamidi IFS, Director, DoECC



A **nature camp** was organized at Kadalundi Vallikunnu Community Reserve on 19/12/2023. The nature camp was organized in collaboration with Social Forestry Extension Division, Dept. of Forest and Wildlife, Govt. of Kerala



Bhoomithrasena observed a few **environmentally significant/UN declared Days** (International Year of millets, World Environment Day, World Plastic Bag free day, National Cleanliness Day, World Soil Day, World Wetland Day etc.), with funding from DoECC.



An **international seminar** on Biodiversity Conservation: in situ and ex situ strategies was organized on 24-25 January 2024.



BIODIVERSITY CLUB

SUPPORTED BY KERALA STATE BIODIVERSITY BOARD

Reg. No. KSBB/BC/07, BDC Code: KSBB/BDC/11001

An **international seminar** on Biodiversity Conservation: in situ and ex situ strategies was organized on 24-25 January 2024.

Members of the **Kerala State Biodiversity Board** visited the campus on 13 March 2024



A few **plant repositories** are maintained on the campus with support from KSBB. Santhisthal-a collection of endemic and traditional fruit trees, Tulsi gene bank, Musa gene bank, vanilla gene bank, turmeric gene bank, herbal garden, star plants garden, collection of underutilized leafy vegetables etc. are maintained.

Soil nutrient analysis was conducted and **soil fertility profile** of the entire campus land was prepared .



A **nature camp** was organized at Kadalundi Vallikunnu Community Reserve on 19/12/2023. in collaboration with Social Forestry Extension Division, Dept. of Forest and Wildlife, Govt. of Kerala

Student volunteers were part of international campaigns like **Nature Positive Universities Alliance**, coordinated by **Oxford university** (for conservation of nature and biodiversity), **Magical Mangroves campaign** (for conservation of mangroves), coordinated by **WWF-India** etc.



A **project** entitled **Ex situ conservation of Red listed plant species** was sanctioned from KSBB, with Dr.Minoo Divakaran as the PI and Sr. Pilty Peter as the Co PI

JALASREE CLUB

SUPPORTED BY CCDU, WATER RESOURCES DEPT., GOVT. OF KERALA

Members of the Jalasree club initiated a **water analysis campaign** with the goal of helping the nearby residents. Well water samples were collected and analyses were completed from the Jalasree Harithasala Laboratory established by CCDU, Water resources Department, Govt. of Kerala, functioning in the with the Department of Botany, After analyses, water cards were distributed to the residents



Members of the club visited The Centre for Water Resources Development and anagement during various occassions, as part of **water literacy programs** and observing World Water Day. A few students participated in the Water Folks - citizen Science Program



Student volunteers participated in **wetland and river protection programs** organized by the Kerala River Protection Council.



A **workshop** on Harmony in Habitats: wetlands for human wellness, was organised as a part of observing world Wetland Day



Members of the club participated in a **Wetland walk** and **mangrove restoration program** during the occasion of the World Wetland Day.



NATURE CLUB



A training program on **Biofertilizer technology** was organized for students and local women as an initiative for sustainable agriculture.

A training program on **Mushroom cultivation technology** was organized for students and women residing in the vicinity



An online training in **QR coding of plants** was organized for the members of the Nature club

Provimedflora- an online data base containing information on the medicinal plants cultivated in the herbal garden and their uses was launched.

A **training program** in soil sample collection was organised as a part of soil fertility profiling of the college campus, in collaboration with the Regional Soil Testing Lab, Kozhikode



Students undertook a visit to the **Kotooli wetlands**, aiming to gauge pollution levels within urban ecosystems.





Newsletter 2023-24

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Compiled by
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