

NEWSLETTER 2024-25



DEPARTMENT OF BOTANY

PROVIDENCE WOMEN'S COLLEGE (AUTONOMOUS) KOZHIKODE



Bougainvillea glabra

Beneath the golden scorching rays
Stays the summer's warmth in glory.

A thorny climber, kissed by light,
Bougainvillea, burning bright.

Her papery bracts glow in soft pink,
a canvas brushed by the sun's warmth.
Yet beneath them lies a quiet secret,
tiny blooms hidden in the shadows.

Craving sunlight, she lifts her face,
her vines embracing Providence pillars.
She shuns the shade, seeks no retreat,
for only in the sun does she truly thrive.

Her roots cling deep to the parched earth,
stretching upward, longing for rain.
Unafraid of drought's harsh touch,
she stands adorned in endless bloom.

With thorns hidden among lush bracts,
she weaves her way up walls and gates,
forming a fortress of crimson glow,
a cascade of purple that never fades.

Let her stand where the sunlight lingers,
where the warmth of summer never fades.
Only in the heat, fierce and steady,
does she rise, untamed and free..

In the echoes of farewell sighs,
Bougainvillea blooms beneath the summer sky.
Its vibrant hues offer a gentle embrace,
easing the weight of parting in quiet stillness.



In Honour of Prof. Dr. Minoo Divakaran FLS 2006 - 2025



Saluting
the outstanding service
and tireless efforts of
a phenomenal teacher

Dr. Minoo Divakaran earned her Undergraduate Degree from St. Joseph's College, Alleppey, completed her postgraduate studies at the University of Kerala and obtained her PhD from ICAR-Indian Institute of Spices Research, Kozhikode, Kerala (University of Calicut).

She began her journey with Providence as an Assistant Professor in October 2006, gradually taking on various significant roles at the University level, such as serving on the Board of Studies and chairing the Board of Examiners.

In 2022, she was honoured as a Fellow of the Linnean Society of London. She actively engages in international research collaborations with the University of Veracruz in Mexico and the Nature Positive Alliance of the Oxford University. Her work also extended to serving as a contributor to the Vanilla Conservation Strategy under the Crop Trust Initiative in Bonn, Germany.

She was invited to speak at the International Conferences at CIRAD - France, University of Veracruz, Mexico etc.

She has contributed significantly to the academic and research field, authoring six books, over 40 chapters in various volumes, more than 30 research/ review articles, as well as many popular articles. She has also completed research projects funded by UDC, DBT and ICAR. She has successfully guided two PhD students and is currently mentoring two PhD scholars and one Post-Doctoral Fellow.

She has been coordinating the IQAC since 2016, leading efforts that resulted in outstanding NAAC accreditation grades in 2017 and in 2023 and the Autonomous Status conferred by the UGC.

She played a crucial role in realizing several dreams for the college, including securing prestigious recognitions such as the 'College with Potential for Excellence (CPE)' granted by UGC to colleges that demonstrate outstanding activities, 'Star College Scheme' by DBT for strengthening of science education and training at undergraduate level, 'CURIE' initiative of DST for enhancing research facilities in women institutions' etc. She was the Secretary of the Parent Teacher Association and an active member of the College Development Committee and played significant roles in the over all development of the institution.

In her 18 years of service, she has left an indelible mark on countless students, touching their hearts with her distinctive and compassionate teaching style. As a mentor, she guided them beyond academics, emphasizing scientific temper to prepare them for both academic achievements and promising research careers.

Adieu



REGULAR PROGRAMMES OFFERED

BSc Botany
6 semester Programme
Credits : 120, Intake: 44

BSc Botany Honours
8 semester Programme
Credits : 120 Intake: 44

MSc Botany
4 semester Programme
Credits : 120, Intake: 20

PhD Botany
Students enrolled: 5
Areas: Biotechnology,
Phytochemistry & Biodiversity

CERTIFICATE COURSES



Data Science and Analytics (for PG)
Mushroom Culture Technology (I Yr UG)
Biofertilizer Technology (II Yr UG)
Horticultural Techniques (III Yr UG)

BOARD OF STUDIES IN BOTANY

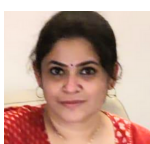
EXTERNAL MEMBERS



DR. ANU AUGUSTINE, PROFESSOR
Dept. of Biotechnology, Kannur University
(Subject Expert from other Universities)



DR. TAJO ABRAHAM, ASSOCIATE PROFESSOR
Dept of Botany Sir Syed College Taliparamba, Kannur
(Subject Expert from other Universities)



DR. RENJANA PK, ASSOCIATE PROFESSOR
Dept. of Botany, GASC Kozhikode
Expert nominated by the VC



DR. SEVICHAN PJ, ASSOCIATE PROFESSOR (RTD)
CEO, Organic Rich Exports, Alappuzha
(Representative from Industry)



DR. VP SHOBHAKUMARI, PRINCIPAL SCIENTIST
ICAR Sugarcane Breeding Institute, Coimbatore
(Meritorious Alumnus)



INTERNAL MEMBERS



DR. DEENA MERIA JOSE
PROFESSOR, (CHAIRPERSON)
Providence Women's College, Kozhikode



DR. MINOO DIVAKARAN FLS
PROFESSOR
Providence Women's College, Kozhikode



DR. VEENA V
ASST. PROFESSOR
Providence Women's College, Kozhikode



DR. PILTY PEYER A
ASST. PROFESSOR
Providence Women's College, Kozhikode



DR. ARCHANA ER
ASST. PROFESSOR
Providence Women's College, Kozhikode



DR.SAVITHA RABEQUE C
ASST. PROFESSOR
Providence Women's College, Kozhikode



MS. DIPIJA AP
GUEST LECTURER
Providence Women's College, Kozhikode

ACHIEVERS OF 2023-24 - UG & PG

ADITHYA G
4th Position
BSc Botany 2023-24
University of Calicut



SHYAMA K
5th Position,
MSc Botany, 2023-24
University of Calicut



RESULTS OF 2023-24 - UG & PG

BSc Botany 2023-24

Pass percentage : 82%
Total no appeared : 39
A+ grade : 5
A grade : 16

MSc Botany 2023-24

Pass percentage : 100%
Total no appeared : 13
O grade : 2
A+ grade : 7
A grade : 3

PROVIDENCE WOMEN'S COLLEGE (AUTONOMOUS), KOZHIKODE - 09
RE-ACCREDITED BY NAAC WITH A++ (CGPA 3.65), RECOGNISED AS STAR COLLEGE BY DBT
POST GRADUATE & RESEARCH DEPARTMENT OF BOTANY
B. Sc. BOTANY 2021-'24

A PLUS WINNERS

 Dhilna OM CGPA 8.800	 DeviKa Girish CGPA 9.133	 ADITHYA G CGPA 9.392	 KRISHNENDU BM CGPA 8.883	 FATHIMA RUBA CGPA 8.542
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A GRADE WINNERS

 Sr. ANJU JOHNY CGPA 8.375	 KRISHNAJA K CGPA 8.258	 SHADA FATHIMA VP CGPA 8.242	 BALKES G CGPA 8.192	 ALEENA P CGPA 8.042	 AMINA FIDA CGPA 8.025
 FIDA SHERIN N P CGPA 7.925	 ANAMIKA P BABU CGPA 7.917	 ANN MARIYA VINCENT CGPA 7.858	 RIFA PP CGPA 7.825	 JENYA P CGPA 7.775	 AYANA LJJEESH CGPA 7.767
 RUBIYA ABDULLA KK CGPA 7.733	 NAHLA KP CGPA 7.692	 ANJALI KRISHNA P CGPA 7.533	 THEJA MANJUSH CGPA 7.533		

PROVIDENCE WOMEN'S COLLEGE (AUTONOMOUS), KOZHIKODE 9
RE-ACCREDITED BY NAAC WITH A++ (CGPA 3.65), RECOGNISED AS STAR COLLEGE BY DBT
POST GRADUATE & RESEARCH DEPARTMENT OF BOTANY
M. Sc. BOTANY 2022-'24

O GRADE HOLDERS

 SHYAMA K CGPA 4.40	 FATHIMA SAFA KM CGPA 4.30
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A+ HOLDERS

 JIMFA NAHVIN CGPA 4.21	 SNEHASREE S CGPA 4.21	 AYSHA SANA CGPA 4.10
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 AMALA MATHEW CGPA 4.07	 AKSHAYA N CGPA 3.97	 DEVIKA T CGPA 3.95	 AKHILA M CGPA 3.87
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A GRADE HOLDERS

 APARNA K CGPA 3.75	 AKSHAVYA T P CGPA 3.69	 KAVYA CHANDRAN VM CGPA 3.74
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EXPERIENTIAL LEARNING OPPORTUNITIES PROVIDED

OFF-CAMPUS TRAINING PROGRAMMES ATTENDED

PG STUDENTS



Dhilna OM, Athira AM, Anjali Shaji, Ajanya OK, Rubiya Abdulla KK, Krishnendu BM, Fathima Ruba, Avanija ES, Arunima MS, Aleena Elizabeth, Sandra Vivek, Rani George & Hanna KC
(II sem MSc Botany)



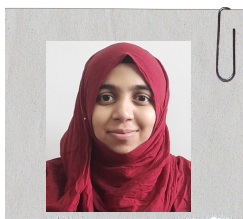
Add on Program on **Data Science and Analytics** organized by ICT Academy at UL Cyber Park, 27-31 January 2025 &



Hands on training in **Botanical Illustration and Botanical Photography** organized by Govt. Arts and Science College, Kozhikode & Kerala State Biodiversity Board 18-19 February 2025



RESEARCH SCHOLARS



FATHIMA RAFIEAH NT

1. Dock and Design, Dept. of Chemistry, Providence Women's College
2. Hands on Computer Aided Drug Design workshop
3. Data science essentials with python for research scholars
4. Hands on training Programme on Data analysis & Visualisation with R
5. Crafting excellence in Scientific and Research Writing.



ABIDHA E K

1. Dock & Design, Dept. of Chemistry, Providence Women's College
2. Hands on Training Programme on Next Generation Sequencing Data Analysis (22-25 October 2024, Tamil Nadu Agricultural University, Coimbatore)
3. Data Analysis and Visualisation in R. (29-2 August 2024, Tamil Nadu Agricultural University, Coimbatore)
4. Data Science Essentials with Python for Research Scholars (27-29 June 2024, CTRM, University of Calicut)

EXPERIENTIAL LEARNING OPPORTUNITIES PROVIDED

OFF-CAMPUS SEMINARS/WORKSHOPS /TRAINING PROGRAMMES ATTENDED

PG STUDENTS

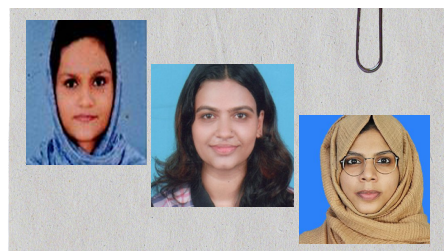


Arathi Sai, Shafna K, Anjana M Gigi & Riya Rojas
(III sem MSc Botany)

Hands-on Training on Classical and Molecular Techniques in Plant and Fungal Identification, conducted as a part of Accelerate Vigyan Karyasala Sponsored by Anusandhan National Research Foundation (ANRF) [Science and Engineering Research Board, SERB] New Delhi organised at At KSCSTE-KFRI (10 to 15 June 2024).

Adhila Munawara, Anagha P & Shifa Rahman
(III sem MSc Botany)

Workshop -Techniques in DNA protein organized by Ethical Edufabrica Pvt. Ltd. in association with Pravega 2024 at IISc Bangalore. 05-06 October 2024.



Varsha P & Hanana Shamila Akkara
(III sem MSc Botany)

Skill- enhancement for Under Represented groups in Education (SURGE) workshop organized by IISER Pune . 22-28 December 2024

Shifa Rahman
(III sem MSc Botany)
Research Professional Workshop Series (RPWS) organised by IISER Thiruvananthapuram. 04-21 December 2024



Arunima MS

(II sem MSc Botany)

Hands on training on Advanced Tools of Molecular Biology and Biotechnology organized by ICAR Sugarcane Breeding Institute, Coimbatore (20-25 January 2025)



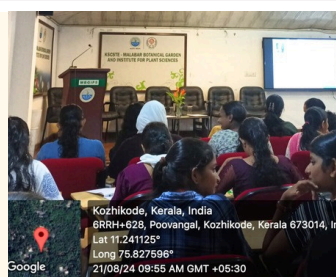
II Sem PG students

One day Seminar on **Techniques and Applications of Chlorophyll fluorescence to study abiotic, biotic and environmental stress effects in plants**, organized by Dept of Botany, University of Calicut 16 December 2024



II Sem PG and 5 Sem UG students

One Day seminar cum Prof A Abraham Endowment presentation organized by Malabar Botanical Garden and Institute for Plant Sciences, Kozhikode on 21 August 2024



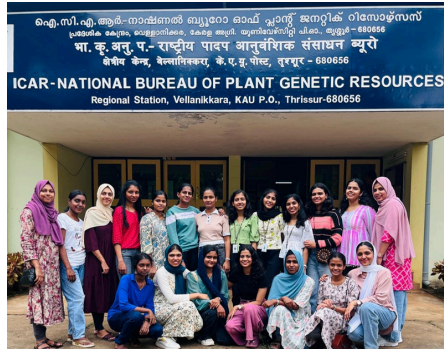
EXPERIENTIAL LEARNING OPPORTUNITIES PROVIDED

STUDY TOURS/ FIELD VISITS/ LABORATORY VISITS

FINAL YEAR MSc BOTANY

13-11-2024

National Bureau of Plant Genetic Resources, Thrissur



13-11-2024

Plant Collection at Thrissur



12-11-2024

KFRI Peechi



14-11-2024

Plant Collection at Devikulam, Idukki



21-08-2024

Malabar Botanical Garden and Institute for Plant Sciences, Kozhikode



04-07-2024

Molecular Biology Lab visit at ICAR IISR Kozhikode



EXPERIENTIAL LEARNING OPPORTUNITIES PROVIDED

STUDY TOURS/ FIELD VISITS/ LABORATORY VISITS

FIRST YEAR MSc BOTANY

21-08-2024

Visit to Malabar Botanical garden and Institute for Plant Sciences



01-10-2024

Field study on the Mangroves at Kallai River Banks.



19-10-2024

Pteridophytes collection from Wayanad and visit to MMSRF



19-10-2024

Visit to RARS Ambalavayal for a field experience of horticultural practices



28-11-2024

Collection of marine macroalgae at the shore of Thikodi



27-01-2025

Visit to UL Cyber Park, Kozhikode



EXPERIENTIAL LEARNING OPPORTUNITIES PROVIDED

STUDY TOURS/ FIELD VISITS/ LABORATORY VISITS

FIRST YEAR MSc BOTANY

07-03-2025

Visit to a Plant Breeding Station. ICAR-IISR Kozhikode



FIRST YEAR BSc BOTANY HONOURS

16-10-2024

Wetland walk and field study: Exploration and Identification of alien invasive plants in the Kannadikkal Wetlands



19-10-2024

Visit to RARS Ambalavayal for a field experience of horticultural practices



EXPERIENTIAL LEARNING OPPORTUNITIES PROVIDED

STUDY TOURS/ FIELD VISITS/ LABORATORY VISITS

FINAL YEAR BSc BOTANY

09-01-2025

Visvesvaraya Industrial and Technological Museum, Bangalore



09-01-2025

Bonsai Garden - Lalbagh Bangalore



07-03-2025

Molecular Biology Lab visit and field visit at ICAR- IISR Regional Station Coorg

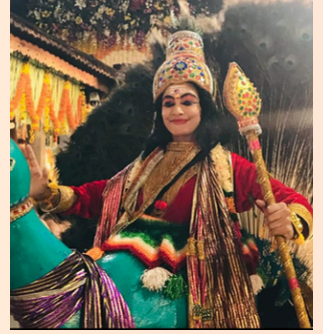
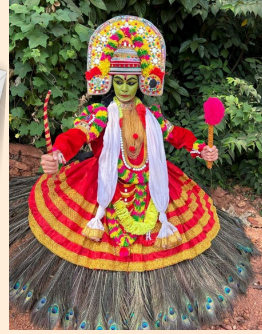


TOP PERFORMERS IN DIFFERENT ARENAS

RHYTHMS OF TRADITION

KRISHNENDU B M
(II Sem MSc Botany)

First Place in Folk Dance Competition Calicut University B Zone and Interzone Arts Festivals



INK AND IMAGINATION

PAARVANA S

(I Sem BSc Botany Honours)

First prize in the Poster making competition in connection with celebrating Pride Day conducted by the Dept of English
Second Prize in the Painting competition in connection with Moon Landing Day organized by the Dept of Physics



FARHA FATHIMA PP

(I Sem BSc Botany Honours)

First Prize in Pencil Drawing contest as part of Gandhi Jayanthi, organized by Dept. of HRM, PWC on the Topic: Swachh Bharat



Cover page designing with the theme 'Wayanad landslide' for 'Avishkaram', the Literary magazine of the Dept. of Malayalam



നിലപാട് പ്രധാനം
മിക്കവാറും വളർന്നുവരുന്നോഴെ ആൺ-പെൺ വേർതിരിവുകൾ ഉണ്ടാവും. പെണ്ണാണെങ്കിൽ ആണിനുമുന്നിൽ കാൽ കയറ്റി ഇരിക്കരുത്, ഇന്നതരം വസ്ത്രം ധരിക്കരുത് എന്നല്ലാതെ പഠനവും, അതൊക്കെയും ചോദ്യം ചെയ്യപ്പെടണം. നമ്മുടെ നിലപാട് വ്യക്തമാക്കി മുന്നോട്ടുപോകുമ്പോഴാണ് സ്വതന്ത്രരാവുന്നത്. ഒരു നാണയംപോലെ സ്വാതന്ത്ര്യത്തിനും രണ്ടുവശമുണ്ട്. നല്ലതിനെയും അല്ലാതെയും സ്വാതന്ത്ര്യത്തെ ഉപയോഗിക്കാം. സ്വാതന്ത്ര്യമുള്ളതുകൊണ്ട് എന്തും ചെയ്യാമെന്നല്ല. ശരിയും തെറ്റും തിരിച്ചറിഞ്ഞ് പോകണം.

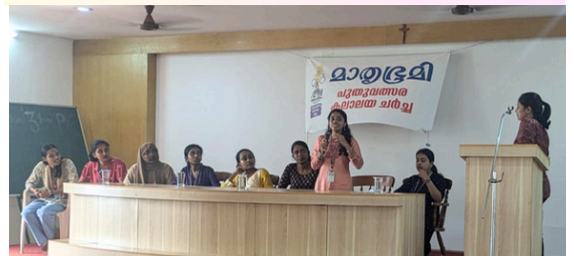
ആര്യാ സുരേഷ്
(മൂന്നാം വർഷ ബോട്ടേണി, പ്രോവിഡൻസ്)

CLASH OF THOUGHTS

ARYA SURESH

(6 Sem BSc Botany)

Participated in the Debate Programme on 'New Perspectives (Vibes) of the Concept of Freedom: The Perspective of Girls on Campus' organized by Mathubhoomi Daily on 31/01/2025



TOP PERFORMERS IN DIFFERENT ARENAS

ABIDA EK

(Research Scholar)

Second Prize for the **Poster presentation** entitled GAS Chromatography & Mass Spectroscopy (GC MS) based comparative metabolite profiling of four *Curcuma* species (National Conference 4,5 March 2024, @ TNAU, Coimbatore)

SCIENCE SPEAKS



FATHIMA RAFIEAH NT

(Research Scholar)

First Prize for the **Poster presentation** entitled ISSR Assisted Genetic Diversity Analysis of Selected *Vanilla* Species in the International Seminar 'Unlocking molecular Biology: A Gateway to Bioinformatics, organized by Providence Women's College. 13-14 March 2025.



BATTLE OF THE BRAINS

GOURIPRIYA P

(3 Sem BSc Botany)

Second prize in **Environment Day Quiz** organized by CWRDM, Kunnamangalam

Third prize in **Quiz on Indian Constitution**, organized by Aviramam, a collective of retired teachers of Govt. Arts and Science College, Kozhikode

First prize in the **Basel Calico Intercollegiate Quiz Competition** held at Malabar Christian College, Kozhikode.

First prize in **Quiz Competition on Life of Gandhi**, organized by Dept. of Economics, PWC.



DEVANANDA A & DEVIKA V

(I Sem BSc Botany Honours)

First Prize in **Quiz Competition** in connection with Wildlife Week, organized by the Dept. of Zoology

Third Prize in **Quiz Competition** in connection with Mole Day conducted by the Dept. of Chemistry



PAARVANA S & SNEHA U

(I Sem BSc Botany Honours)

Silk identification competition by the Dept of Zoology in association with SilkMark Organization of India.

SKILLSPRINT

TOP PERFORMERS IN DIFFERENT ARENAS

CREATIVE MINDS

**PAARVANA S, FATHIMATH MALEEHA,
NIVEDITHA MP, FARHA FATHIMA & DEVASREE**

(I Sem BSc Botany Honours)
Second Prize in the **Reel making competition** in connection with Folklore Day organized by the Dept of History



ANAMIKA SURESH

(II Sem BSc Botany Honours)

Second Prize in the pencil drawing competition held by the Dept of Botany as a part of observing Wetlands Day

DIGITAL ART



ASWATHY MA

(II Sem BSc Botany Honours)

Second Prize in **200 m sprint** and **4×100 m Relay** at the Annual Sports Meet

SPORTS



THE DEPT. OF BOTANY

First prize in **Basket Ball** competition



THE DEPT. OF BOTANY

Runner-Up Position in the March Past Event at the Annual Sports Meet.



THE DEPT. OF BOTANY

Bagged overall **Championship** at the Annual Sports Meet.



PUBLICATIONS

BOOKS

Minoo Divakaran (2024) Plants in Everyday Life, II Sem Multi-Disciplinary Course in Botany, CU-FYUGP Manjusha Publications.

Bhaskaran KK, **Minoo Divakaran** (2024) Microbial Diversity and Phytopathology, II Sem Major Course in Botany, CU-FYUGP, ISBN 978-93-90930-91-3, Manjusha Publications.

Bhaskaran KK, **Minoo Divakaran & Deena Meria Jose** (2024) Plant Propagation, I Sem Multi-Disciplinary Course in Botany, CU-FYUGP ISBN 978-93-90930-94-4, pp 176, Manjusha Publications.

Bhaskaran KK, **Deena Meria Jose & Minoo Divakaran** (2024) Plant Ecology, Conservation and Plant Interactions. I Sem Minor Course in Botany, CU-FYUGP ISBN 978-93-90930-82-1, pp 151. Manjusha Publications Pte Ltd. 2024, pp.397 -470; ISBN-13 : 978-9811937279

CHAPTER IN BOOKS

NT Fathima Rafieah & Minoo Divakaran (2024). Stomatal Characterisation of *Vanilla walkeriae* Wight in relation to *Vanilla planifolia* Andr. In Green Economy:Concepts & Perspectives, Insign Publica. pp 82-89; ISBN 978-93-5517-553-3

Minoo Divakaran (2024) Biotechnological Approaches for Improvement of Spices. P. N. Ravindran et al. (eds.), Handbook of Spices in India: 75 Years of Research and Development. https://doi.org/10.1007/978-981-19-3728-6_7 Springer Nature Singapore.

Dipija A.P. & Deena Meria Jose (2024). Qualitative and Quantitative Phytochemical analyses of selected species of *Sida* (Malvaceae) In Green Economy:Concepts & Perspectives, Insign Publica. pp 68-81; ISBN 978-93-5517-553-3.

Sariga K. P. & **Archana E.R.** (2024). Biogenic synthesis of nanoparticles using *Setaria parviflora* (Poir.) Kerguelen plant extract and its characterisation In Green Economy:Concepts & Perspectives, Insign Publica. pp 132-155; ISBN 978-93-5517-553-3

Theertha M. D. & **Archana E.R.** (2024). Biogenic synthesis of silver nanoparticles using *Cardamine hirsuta* L. and its characterisation, In Green Economy:Concepts & Perspectives, Insign Publica. pp 68-81; ISBN 978-93-5517-553-3

FUNDED PROJECTS UNDERTAKEN BY FACULTY

Conservation of RET plants, Kerala State Biodiversity Board, Govt of Kerala. Principal Investigator: **Dr. Minoo Divakaran**, Co Investigator: **Sr. Pilty Peter A.** Funding Agency: **Kerala State Biodiversity Board.**

PROJECTS SANCTIONED UNDER THE PROVIDENCE RESEARCH SCHEME

Biosynthesis of metallic nanoparticles using plant derivatives (*Anisomeles malabarica*) and their new avenues in enhanced oil recovery, Greener Tomorrow: Principal Investigator: **Sr. Pilty Peter A.**, Co Investigator: **Dr. Veena V.**

Antiproliferative effects of green synthesized nano particles of selected macroalgae from Thikkody sea water, Kozhikode District, Kerala. Principal Investigator: **Dr. Savitha Rabeque C.**, Co Investigator: **Sr. Pilty Peter A.**

Empowering Non-Teaching Staff Through a Plant Nursery Initiative. Principal Investigator: **Sr. Pilty Peter A.**

Empowering Communities: Women leading the way in mushroom cultivation. Principal Investigator: Sr. Sheeba Andrews, Co Investigator: **Sr. Pilty Peter A.**

Development of a green approach exploring the efficacy of essential oils as botanical acaricides towards integrated pest management of Eriophyid Gall mite, *Aceria pongaminae* Keifer. Principal Investigator: Dr. Sangeetha G Kaimal, Co investigator: **Dr. Archana ER.**

FACULTY SERVING IN EXTERNAL CAPACITIES

INVITED LECTURES

Dr. Minoo Divakaran

Special Address on Women in Cytogenetics, National Seminar on Cytogenetics, Genomic and Plant Breeding , Aug 21, 2024, organized by KSCSTE-MBGIPS & Kerala Academy of Sciences.

SUBJECT EXPERTS FOR VARIOUS SELECTION/ INSPECTION COMMITTEES

Dr. Deena Meria Jose

Subject Expert for the selection committee for Career Advancement Scheme, University of Calicut & MG University.

Subject Expert for the selection committee for the promotion of School Teachers, Kerala Public Service Commission.

Subject Expert for the staff selection committee at Mar Thoma College Chungathara, affiliated to the University of Calicut

Dr. Minoo Divakaran

Subject Expert for the selection committee for Career Advancement Scheme, University of Calicut.

MEMBERSHIP IN VARIOUS BOARDS

Dr. Deena Meria Jose

Chairman, Board of Examiners (MSc Botany 1 & 2 semesters), University of Calicut.

Member, Board of Studies, St. Joseph's College (Autonomous), Devagiri, Kozhikode.

Dr. Minoo Divakaran

Chairman, Board of Examiners (MSc Botany 3 & 4 semesters), University of Calicut.

SESSIONS CHAIRED

Dr. Archana ER

Paper Presentation Competitions in Life Science Category, INSIGHT2025-International Conference on Integrating Disciplines for Sustainable Development, MES College, Valanchery&KSHEC-21-22Jan, 2025

Dr. Savitha Rabeque C

Paper Presentation Competitions in International Seminar Interwoven Realms: Emerging Frontiers in Chemical Biology organized by the Department of Chemistry, PWC, Kozhikode. 06-07 February 2025.

Paper Presentation Competitions in International Seminar 'Unlocking molecular Biology: A Gateway to Bioinformatics, organized by Providence Women's College. 13-14 March 2025.

FACULTY ENGAGEMENT IN IN-HOUSE RESPONSIBILITIES

Dr. Deena Meria Jose

Controller of Examinations

Member of the Academic Council.

Chairperson of the BoS in Botany

HoD of the Department of Botany

Dr. Minoo Divakaran

Director of the Internal Quality Assurance Cell

Member of the College Development Society.

Member of the Governing Body

Member of the Academic Council

Coordinator of the DST CURIE Scheme

Dr. Veena V

Treasurer of the Staff Association

FIC of Bhoomithrasena

Sr. Pilty Peyter A

Member of the Finance Committee

Secretary of the Alumnae Association- Providonna

FIC of Biodiversity Club under KSBB

Dr. Archana ER

NSS Programme Officer

FIC of Jalasree under Water Resources Dept.

Dr. Savitha Rabeque C

Additional Chief Superintendent of University

Examinations

PAPER PRESENTATIONS BY STUDENTS

RESEARCH SCHOLARS

Abida EK

Chromatography and Mass Spectroscopy (GCMS) based comparative metabolomic profiling of four *Curcuma* species" Department of Plant Molecular Biology & Bioinformatics, Centre for Plant Molecular Biology and Biotechnology, Tamil Nadu Agricultural University, Coimbatore. 4&5 March 2024.

Comparative metabolite profiling of four *Curcuma* species. International Seminar 'Unlocking molecular Biology: A Gateway to Bioinformatics, organized by Providence Women's College. 13-14 March 2025.

Fathima Rafieah NT

ISSR Assisted Genetic Diversity Analysis of Selected *Vanilla* Species. International Seminar 'Unlocking molecular Biology: A Gateway to Bioinformatics, organized by Providence Women's College. 13-14 March 2025.

Dipija AP

A Comparative Evaluation of Phytochemical Constituents and Antioxidant Properties of *Sida cordata* L. and *Sida cordifolia* L.

PG STUDENTS

Fathima Febin CK

Understanding the Floral Biology and reproductive strategies in *Chassalia curviflora* (Wall.) Thwaites. NSIGHT2025- International Conference on Integrating Disciplines for Sustainable Development, MES College, Valanchery & KSHEC - 21-22 Jan, 2025.

Shyama K

Phytochemical Analysis and Antioxidant activity of Selected Species in Plumbaginaceae. International Seminar 'Unlocking molecular Biology: A Gateway to Bioinformatics, organized by Providence Women's College. 13-14 March 2025.

Devika T

Ecological integrity of Thurayil Kavu a sacred grove in Kozhikode district Kerala; A study on plant diversity, micro climate and carbon storage. International Seminar 'Unlocking molecular Biology: A Gateway to Bioinformatics, organized by Providence Women's College. 13-14 March 2025.



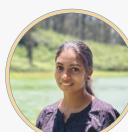
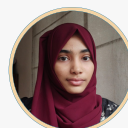
UG STUDENTS

Diya Mehrin KV

How molecules drive life - The dose of happiness. International Seminar Interwoven Realms: Emerging Frontiers in Chemical Biology organized by the Department of Chemistry 06-07 February 2025

Vinya Vijayan

How molecules drive life - The dose of happiness. International Seminar Interwoven Realms: Emerging Frontiers in Chemical Biology organized by the Department of Chemistry 06-07 February 2025



INTERNATIONAL SEMINARS ORGANIZED

1

DISTRIBUTION, PROCESSES AND TOXICITY OF MICROPLASTICS OCT 21, 2024

Main speaker: Prof Baoshan Xing, University of Massachusetts, USA, as a part of the Erudite Scholar-in-Residence Program



**INTERNATIONAL SEMINAR
ERUDITE SCHOLAR-IN-RESIDENCE PROGRAM**

DISTRIBUTION, PROCESSES AND TOXICITY OF MICROPLASTICS

SPEAKER

PROF BAOSHAN XING
UNIVERSITY DISTINGUISHED PROFESSOR, STOCKBRIDGE
SCHOOL OF AGRICULTURE, 410 PAIGE LABORATORY,
UNIVERSITY OF MASSACHUSETTS, AMHERST, USA

21 October, 2024 02.00 pm CARMEL HALL

DEPT OF BOTANY, PROVIDENCE WOMEN'S
COLLEGE (AUTONOMOUS), KERALA

www.providencecollegecalicut.ac.in

2

UNLOCKING MOLECULAR BIOLOGY: A GATEWAY TO BIOINFORMATICS MARCH 13-14, 2025

Speakers:

- Dr. GM Nair, Director, CLIF, Kerala University & President, Kerala Academy of Science.
- Dr. PN Ravindran, Former Director, ICAR IISR, Kozhikode.
- Dr. Shobhakumari V.P., Principal Scientist, ICAR Sugarcane Breeding Institute, Coimbatore.
- Dr. Geetha S Pillai, Dy. Project Director, CMPR, AVS Kottakkal, Kerala.
- Dr. Rebijith K B, Senior Scientist, Plant Health and Environment Laboratory, Auckland, New Zealand.
- Dr. Sayuj K. P., Assistant Professor, Dept. of Biotechnology, CUSAT, Kerala.
- Dr. Saranya Babu Jayaprakash C.M., Plant Genetics and Crop Improvement, John Innes Centre, Norwich, UK.
- Ms. Farhana Muhammadali K. V. Process Characterisation Scientist, FUJIFILM Diosynth Biotechnologies, UK.
- Dr. Shisy Jose, Post Doctoral Researcher, Inst. of Water & Waste water Technology, Durban, S. Africa.
- Ms. Alakananda PM, University of Geneva, Switzerland.

Call for papers:

Original research papers focusing on the theme of the seminar and other fields of life sciences are invited. Selected papers will be published in the seminar proceedings with ISBN number.

Submission guidelines:

Soft copy of the full paper in MS word (Times New Roman- 12) with title (Times New Roman- 14) page with author details, abstract, introduction, materials & methods, results & discussion, reference (APA), not more than 2000 words may be sent to the convener via e-mail: drveenav@providencecollegecalicut.ac.in

Important Dates

Registration: 08/03/2025
Submission of abstracts: 10/03/2025
Submission of full paper: 12/03/2025

For enquiries, please contact
9495787422, 9495892647

Registration fee:
Students: Rs. 100
Research scholars: Rs. 400
Faculty: Rs. 750
9495892647

Certificate and prize will be awarded to the best oral presentation

Patron: Dr. Sr. Jaseena Joseph, Principal
Convener: Dr. Deena Meria Jose

Organizing Secretaries:
Dr. Veena V & Sr. Pilly Peter A.

Organizing Committee members:
Dr. Archana E. R.
Dr. Savitha Rabeque C.
Ms. Deepa A. P.

Dear Sir/ Madam,

With great admiration and gratitude, the staff and students of the Department of Botany warmly invite you to join us in celebrating the outstanding contributions of Dr. Minoov Divakaran, Professor, Dept. of Botany, as she concludes her distinguished tenure.

This prestigious event will bring together esteemed scholars, researchers, and professionals from around the globe to discuss groundbreaking advancements in Molecular Biology and Bioinformatics, while paying tribute to the invaluable legacy of a great teacher.

PROVIDENCE WOMEN'S COLLEGE (AUTONOMOUS), KOZHIKODE, KERALA, INDIA
Re-accredited with A++ grade (3.65) by NAAC
DBT Star College DST CURIE College

TWO DAY INTERNATIONAL SEMINAR (HYBRID MODE)

UNLOCKING MOLECULAR BIOLOGY: A GATEWAY TO BIOINFORMATICS

A TRIBUTE TO **PROF. DR. MINOO DIVAKARAN FLS**
An assembly of voices from her Mentors, Friends and Former Students

Sponsored by **PROVIDORA-THE BOTANY ALUMNE ASSOCIATION**

Supported by **Serath**

Organized by **THE DEPARTMENT OF BOTANY**

13-14 MARCH 2025
CARMEL HALL

Day 2 14-03-2025

TECHNICAL SESSION 1 : 9.30 am (Online)

SMALL RNA: 'SMALLER THE RNA BUT BIGGER THE FUNCTIONS'

DR. REBIJITH K. B.
Senior Scientist, Entomology, Plant Health and Environment Laboratory, Ministry for Primary Industries, Auckland, New Zealand

TECHNICAL SESSION 2 : 10.45 am

THE LANGUAGE OF INTERACTIONS: BIOINFORMATICS APPROACHES TO ELUCIDATE PLANT-MICROBE COMMUNICATION

DR. SAYUJ K.P.
Assistant Professor, Dept of Biotechnology CUSAT, Kerala

TECHNICAL SESSION 3 : 12.00 pm (Online)

CRISPR-CAS9 IN PLANT GENOME EDITING: FROM TARGET SELECTION TO TRANSFORMATION

DR. SARANYA BABU JAYAPRAKASH
Plant Genetics and Crop Improvement John Innes Centre Norwich, UK

Day 2 14-03-2025

TECHNICAL SESSION 4 : 1.30 pm (Online)

BIOTECHNOLOGY: INNOVATIONS AND APPLICATIONS FOR A SUSTAINABLE FUTURE

FARHANA MUHAMMADALI K. V.
PC (Process Characterisation) Scientist FUJIFILM Diosynth Biotechnologies, UK

TECHNICAL SESSION 5 : 2.00 pm (Online)

APPLICATION OF GENOMIC TOOL- ONE TECHNOLOGY TAKES IT ALL

DR. SHISY JOSE
Post Doctoral Researcher Inst. of Water & Waste water Technology Durban, S. Africa

TECHNICAL SESSION 6 : 2.30 pm (Online)

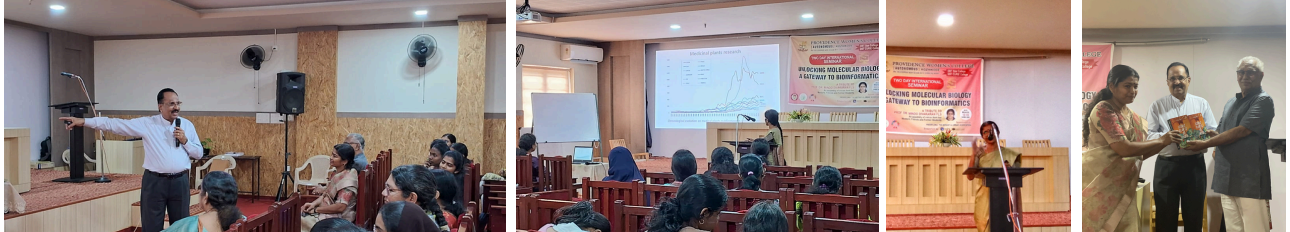
BIOFABRICATION OF NERVE GUIDE CONDUIT FOR PERIPHERAL NERVE REGENERATION

ALAKANANDA PM
University of Geneva Switzerland

VALEDICTORY SESSION : 4.00 pm
Distribution of certificates

GLIMPSSES OF THE INTERNATIONAL SEMINAR

UNLOCKING MOLECULAR BIOLOGY: A GATEWAY TO BIOINFORMATICS



ORAL PRESENTATIONS



BEST PRESENTATION AWARD

FEED BACK FROM PARTICIPANTS

Mr. Aneesh S, Dept. of Botany, University of Calicut
Ms. Fathima Rafieah NT, Providence Women's College

INSTITUTION LEVEL SEMINARS ORGANIZED

3

CRAFTING EXCELLENCE IN SCIENTIFIC & RESEARCH WRITING

OCT 17, 2024

Speaker: Dr. Arunaksharan Narayanankutty, Asst. Professor, St. Joseph's College (Autonomous) Devagiri, Kozhikode

PROVIDENCE WOMEN'S COLLEGE (AUTONOMOUS)
KOZHIKODE - 09
 RE - ACCREDITED BY NAAC WITH A++
 (UNDER DBT STAR COLLEGE SCHEME)

SEMINAR ON
CRAFTING EXCELLENCE IN SCIENTIFIC & RESEARCH WRITING

POSTER MAKING COMPETITION ON
UNCOVERING SCIENCE IN THE ORDINARY

INAUGURAL ADDRESS

PROFESSOR. MINOO DIVAKARAN
 DEPARTMENT OF BOTANY
 PROVIDENCE WOMEN'S COLLEGE, KOZHIKODE

BOTANY ASSOCIATION INAUGURATION

DR. ARUNAKSHARAN NARAYANANKUTTY
 ASSISTANT PROFESSOR
 DEPARTMENT OF ZOOLOGY
 ST. JOSEPH'S COLLEGE,
 DEVAGIRI, KOZHIKODE

VENUE : MV HALL
 DATE : 17/10/2024
 TIME : 2 PM

ALL ARE CORDIALLY INVITED!



4

WORKSHOP ON CLIMATE CHANGE AND ENVIRONMENTAL IMPACTS

OCT 26, 2024

Speakers:

Smt. R Keerthi IFS, Conservator of Forests
 Shri A. P. Imthiyas, Assistant Conservator of Forests
 Shri. Prabhakaran, Range Forest Officer (Rtd)

Women's College (Autonomous), Kozhikode

Kerala Forest and Wildlife Department

WORKSHOP ON CLIMATE CHANGE AND ENVIRONMENTAL IMPACTS

Co-organised by **Social Forestry** Northern Region, Kozhikode and the Dept. of Botany, Providence Women's College, Kozhikode

TALK BY **SRI. P. PRABHAKARAN (RTD. RANGE FOREST OFFICER)**

Venue
 Carmel Hall
 on 26.10.2024
 @ 10.30am

Programme :

- ✓ Welcome: Dr. Deena Meria Jose (Prof. & Head, Dept. of Botany, PWC, Kozhikode)
- ✓ Presidential address: Dr. (Sr.) Jaseena Joseph, Principal, PWC, Kozhikode
- ✓ Inauguration: Smt. R. Keerthi IFS (Conservator of forests)
- ✓ Felicitation: Sri. A. P. Imthiyas (Asst. Conservator of forests)
- ✓ Vote of thanks: O.V. Meenakshi (Student Coordinator, Bhoomithrasena, PWC, Kozhikode)



INSTITUTION LEVEL SEMINARS ORGANIZED

5

EXPLORING BIODIVERSITY: A JOURNEY OF WONDER AND DISCOVERY ORGANIZED IN FOND MEMORIES OF DR. JIJA MATHEW, FORMER FACULTY, DEPARTMENT OF BOTANY MARCH 20, 2025

Speaker: Dr. Hareesh V. S., Scientist, KSCSTE Malabar Botanical Garden and Institute for Plant Sciences, Kozhikode

PROVIDENCE WOMEN'S COLLEGE
(AUTONOMOUS), KOZHIKODE, KERALA, INDIA
Re-accredited with A++ grade (3.65) by NAAC
DEI Star College DST CURIE College

Ever Green Memories and Eco Wisdom from the Experts

Seminar organized by the Department of Botany
In honour and fond memories of
Late Dr. JIJA MATHEW
Former Faculty, Department of Botany

Along with Observing
the International Day of Forests 2025

Exploring Biodiversity: A Journey of Wonder and Discovery
by
Dr. HAREESH V. S.
SCIENTIST
KSCSTE - MALABAR BOTANICAL GARDEN & INSTITUTE FOR PLANT SCIENCES
KOZHIKODE

21 March 2025 10.30 a. m. Carmel Hall



PARENT-TEACHER DISCUSSIONS

REGULAR MEETINGS OF THE PARENT TEACHER ASSOCIATION

PARENT TEACHER ASSOCIATION MEETING

Let's share ideas, progress and synergy together.

DATE
05 December 2024

TIME
02:30 - 03:30 PM

VENUE : MV HALL

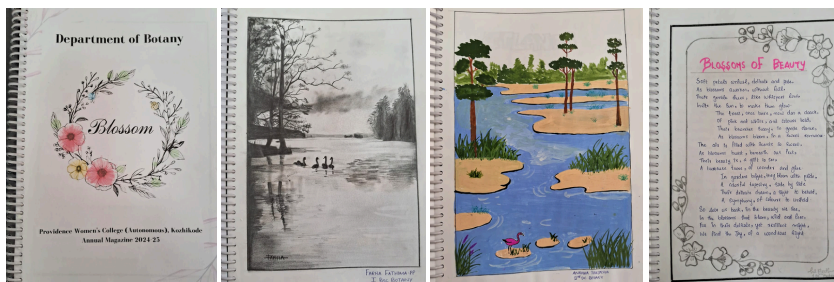
DEPT OF BOTANY, PROVIDENCE WOMEN'S COLLEGE
(AUTONOMOUS), KOZHIKODE
www.providencecollegecalicut.ac.in



Discussion on the Key Highlights of the Four-Year UG Programme

CONNECTING BEYOND CAMPUS: A HOME VISIT BY THE TUTOR

BLOSSOM-THE MANUSCRIPT MAGAZINE



PhD AWARDED

CANDIDATE: **ATHULYA SADANAND CP**

Supervisor: Prof. Minoo Divakaran

Chairman: Prof. N S Raju, University of Mysore, Karnataka

Topic: *In vitro* multiplication and synthesis of nano particles using selected medicinal plant extracts and its biomedical applications.



AWARDEES OF THE NATIONAL SCHOLARSHIP FOR PG STUDIES SCHEME 2023-24

IV Sem MSc Botany 2024-25

PRISM FELLOWSHIP

PRISM
(Promoting Research and
Inclusion in STEM)
Fellowship offered by
Project EduAccess in
collaboration with
the National
Centre for Biological
Sciences Bangalore



FATHIMA DIYANA



ANJANA M GIGI



ARATHI SAI



SHAFNA K



VARSHA P

ASPIRE SCHOLARSHIP AWARDEES 2025

IV Sem MSc Botany 2024-25



ADHILA MUNAWARA



ALEENA BABY



ANJANA M GIGI



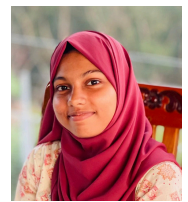
ARATHI SAI



AYISHA RIYA C



FATHIMA DIYANA



HANANA SHAMILA



NOUFIRA AK



RIYA ROJES



SHIFA RAHMAN C



SHAFNA K



VARSHA P



FATHIMA SHAFEEQUA U



OBSERVING RELEVANT DAYS



WORLD ENVIRONMENT DAY

PROVIDENCE WOMEN'S COLLEGE
(AUTONOMOUS), KOZHIKODE
REACCREDITED BY NAAC WITH A++

DEPARTMENT OF BOTANY
IN ASSOCIATION WITH
BHOOMITHRASENA AND NATURE CLUB

WORLD ENVIRONMENT DAY
5 JUNE 2024

"OUR LAND, OUR FUTURE
WE ARE GENERATION RESTORATION"
JOIN US TO PLANT A TREE
VENUE: OPEN STAGE PREMISES
TIME: 9.30 AM



WORLD COCONUT DAY

Kozhikode, KL, India
Deshodharini Cross Road, Malaparamba,
Kozhikode, 673009, KL, India
Lat 11.291190, Long 75.806814
09/03/2024 10:50 AM GMT+05:30
Note : Captured by GPS Map Camera



RIVER DAY

**കല്ലായിപ്പുഴ
മാലിന്യ മൂലമായി
സംരക്ഷിക്കുക;
പുഴയെ വിനോദസഞ്ചാരം.**

സെമിനാർ

01/10/2024 ചൊവ്വ രാവിലെ 10 മണി
കോഴിക്കോട്, ഗാന്ധി ഗ്യാംപ്

ഉദ്ദേശ്യം: വി.ആർ സുധീഷ് (മുഖ്യമന്ത്രി)
ധ്യാനം: വി.ആർ സുധീഷ് (മുഖ്യമന്ത്രി)
ധ്യാനം: വി.ആർ സുധീഷ് (മുഖ്യമന്ത്രി)

സംഘടിതം:-
JALASREE CLUB & BHOOMITHRASENA CLUB OF DEPARTMENT OF BOTANY
PROVIDENCE WOMEN'S COLLEGE (AUTONOMOUS), KOZHIKODE - 09

കേരള നദി സംരക്ഷണ സമിതി
ഫോൺ:



NATIONAL VOTERS DAY



PROVIDENCE WOMEN'S COLLEGE (AUTONOMOUS) KOZHIKODE
 DEPARTMENT OF BOTANY
 BHOOMITHRASENA, BIODIVERSITY & JALASREE CLUB
WORLD WETLAND DAY OBSERVATION
 SEMINAR ON
"Wetland Revival: Ensuring a Sustainable Future"
Shri. ABDUL HAMEED
 Rtd. Scientist, CWRDM
INTERACT WITH THE CHAMP
Ms. DEVIKA DEEPAK
 Young Naturalist and Conservator

"Save the wetlands as the future of the Earth depends on them"

On 3 February, 2025
 10 am
 MV Hall

WORLD WETLAND DAY



World Wetlands Day
 2 February 2025
 Protecting wetlands for our common future

WETLANDS FOR OUR COMMON FUTURE

Value. Protect. Inspire.

World Wetlands Day Messages and Statements

 31 January 2025 As we approach World Wetlands Day 2025, under the theme "Protecting Wetlands for Our Common Future," we recognize the vital role wetlands play in... See more	 14 January 2025 World Wetlands Day 2025 underscores the need for collaboration and foresight as we build a future wherein all people, everywhere, can continue to... See more	 17 January 2025 By virtue of the authority in the vested, do hereby declare and proclaim Monday, February 2, 2025, as "World Wetlands Day" to be observed throughout... See more			
 We pledge to conserve the lifelines of the earth, which help to regulate climate, purify water, buffer floods, store carbon and much more.	 I pledge to choose sustainable products that do not harm wetland habitats.	 I commit to protecting wetlands advocating for its preservation.	 Webinar sobre la protección y cuidado de los humedales y el agua el 3 febrero del 2025 en el...	 Vogliamo salvare la zona umida della Riserva Naturale "Lago Sospeso" di Siracusa (CT).	 This World Wetlands Day (February 2, 2024), I pledge to amplifying the voice of wetland conservation by writing and publishing opinion editorial (Op-Ed) articles and creating story maps that highlight their critical role in sustaining life on Earth.

World Wetlands Day Website of UN Featuring Messages from the Dept. of Botany, Providence Women's College, Kozhikode

WORLD WATER DAY

PROVIDENCE WOMEN'S COLLEGE (AUTONOMOUS), KOZHIKODE, KERALA, INDIA
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SPLASH OF KNOWLEDGE

A QUIZ PROGRAMME
 On the theme of World Water Day 2025
 Glacier Preservation

AS A PART OF OBSERVING
WORLD WATER DAY 2025

MARCH 21, 2025
 11:30 A.M.
 CARMEL HALL



INTERNATIONAL DAY OF FORESTS



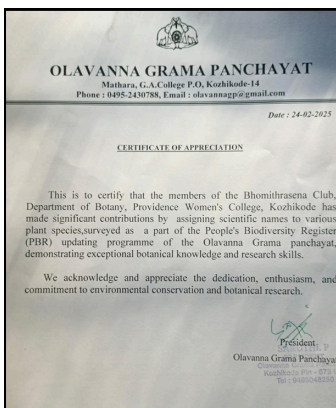
COLLABORATIONS

 <p>Nature Positive Universities Alliance</p> <p>12 Student Ambassadors working to prioritize nature on campuses</p> 	 <p>ICAR-SBI Coimbatore</p> <p>Hands-on experience in plant breeding techniques and field trials</p> 	 <p>ICAR-NBPGR Thrissur</p> <p>laboratory and field visits</p> 
 <p>ICAR IISR Kozhikode</p> <p>Hands-on experience in plant breeding techniques and field trials and PG project work</p> 	 <p>ICAR IISR Regional Station, Coorg</p> <p>laboratory and field visits</p> 	 <p>IISER Pune</p> <p>Workshop Skill enhancement for Under Represented groups in Education</p> 
 <p>IISc Bangalore</p> <p>Workshop -Techniques in DNA protein</p> 	 <p>Kerala State Higher Education Council</p> <p>Organised a seminar on Distribution, process and toxicity of microplastics</p> 	 <p>Directorate of Environment and Climate Change, Govt. of Kerala</p> <p>An interaction programme with the Vanamithra Award winner</p> 
 <p>Kerala State Biodiversity Board (KSBB)</p> <p>Implemented a project 'Conservation of RET plants</p> 	 <p>KSCSTE JNTBGRI Thiruvananthapuram</p> <p>Hands-on experience in biodiversity conservation & field visits</p> 	 <p>KSCSTE MBGIPS Kozhikode</p> <p>Seminars and field visits on conservation techniques</p> 
 <p>KSCSTE KFRI Peechi, Thrissur</p> <p>Hands-on Training on Classical and Molecular Techniques</p> 	 <p>KSCSTE CWRDM Kunnamangalam</p> <p>PG project work and Debate on the significance and scope of women in Science and exposure visits</p> 	 <p>Dept. of Botany University of Calicut</p> <p>Seminar Techniques and Applications of Chlorophyll fluorescence</p> 
 <p>Tamil Nadu Agricultural University, Coimbatore</p> <p>Data Science Essentials with Python for Research Scholars</p> 	 <p>Govt Arts & Science College, Kozhikode</p> <p>Hands on training in Botanical Illustration & Botanical Photography</p> 	 <p>St. Joseph's College Devagiri, Kozhikode</p> <p>Organised a seminar on Distribution, process and toxicity of microplastics</p> 
 <p>RARS Ambalavayal, Wayanad</p> <p>Field visits</p> 	 <p>Farook College, Kozhikode</p> <p>Supplied Tissue cultures to establish TC laboratory</p> 	 <p>Vanasree Dept. of Forests and Wildlife, Govt of Kerala</p> <p>Conducted nature awareness programmes</p> 
 <p>UL Cyber Park Kozhikode</p> <p>Add on Program on Data Science and Analytics</p> 	 <p>ICT Academy of Kerala</p> <p>Add on Program on Data Science and Analytics</p> 	 <p>Niravu Organic Village</p> <p>Organic Farming initiatives</p> 
 <p>MSSRF Wayanad</p> <p>laboratory and field visits</p> 	 <p>Organic Rich PV Exports, Alappuzha</p> <p>Industrial exposure-Training programmes on the preparation of biofertilizers</p> 	 <p>Kozhikode Block Panchayath</p> <p>Participated in the Preparation of people's biodiversity register</p> 
 <p>Kerala Sastha Sahitya Parishath</p> <p>Organised World Wetland Day Programme</p> 	<p>Kerala River Protection Council</p> <p>Observed World River Day and participated in Kallai river protection programme</p> 	 <p>Serah Serah Laboratory</p> <p>Organised Career awareness programme</p> 

EXTENSION ACTIVITIES



Data collection for the preparation of People's Biodiversity Register, Kozhikode Block Panchayath, Narikkuni Grama Panchayath and Olavanna Grama Panchayath May to December 2024



Auditing of existing waste management facilities at Nellikunnu MRF, Kozhikode in October 2024



Participated in the Vegetable seedling distribution initiative of Niravu Organic Village, Kozhikode





PURSuing SUSTAINABLE DEVELOPMENT GOALS

Visits to major research laboratories to gain firsthand exposure to advanced research environments, cutting-edge technologies, and ongoing scientific projects.



Training programmes arranged in collaboration with major research organizations to provide practical exposure to advanced tools, techniques, and equipment relevant to the subject.



Implemented a project 'Conservation of RET plants' in collaboration with Kerala State Biodiversity Board, Govt of Kerala.



Implemented a project 'Antiproliferative effects of green synthesized nano particles of selected macroalgae from Thikkody sea water



Implemented a project 'Empowering Non-Teaching Staff Through a Plant Nursery Initiative.



Implemented a project to empower women by providing skill-based training in mushroom cultivation for sustainable livelihood opportunities.



Conducted an International seminar on Distribution, process and toxicity of microplastics to educate students on the harmful impacts of microplastics on aquatic and terrestrial environments.



Conducted an International seminar on Unlocking molecular Biology: a gateway to bioinformatics to provide foundational knowledge of molecular biology concepts and their applications in bioinformatics.



Conducted a seminar on Crafting excellence in scientific and research writing to enhance skills in writing high-quality scientific and research papers.



Conducted a workshop on climate change and environmental to raise awareness about the causes, consequences, and current challenges of climate change.



Observed World Environment Day to inspire students to take action towards protecting the environment and planted saplings.



Observed World Coconut Day to raise awareness about the importance of coconuts and their contribution to health, nutrition, and livelihoods.



Observed World River Day to raise awareness about the ecological significance of rivers and their role in sustaining life.



Observed National Voter's Day to promote awareness about the significance of voting in a democratic society.



Observed World River Day to raise awareness about the ecological significance of rivers and their role in sustaining life.



NCC LAURELS



Anamika KP (Final year BSc Botany)
Promoted as **Under Officer** during the 5th semester and subsequently as **Senior Under Officer** during the 6th semester

Anamika KP commanding the Independence Day Parade held at Vikram Maidan, Kozhikode



Anamika KP commanding the Senior Wing Platoon of Providence Women's College on the occasion of the 76th Republic Day celebration held at Vikram Maidan, Kozhikode

CAREER GUIDANCE

Career Guidance session for final year BSc and MSc students 10-09-2024 & 14-11-2024



SKILL TRAINING PROGRAMME

Skill Training Programme in Mushroom Cultivation on 27 August 2024



AWARDS RECEIVED BY FACULTY

Dr. Archana ER

**Dr. Ruchi Sharma Memorial
State Award** for Blood
Donation Activities in the
Capacity of the NSS
Programme Officer



FACULTY DEVELOPMENT / TRAINING PROGRAMMES ATTENDED

FACULTY DEVELOPMENT PROGRAMS

Dr. Deena Meria Jose

National Education Policy: Stepping Stone to Excellence of Higher Education Institutions conducted by MES Kalladi College, Mannarkkad from 14th to 18th February 2025.

Dr. Minoo Divakaran

Embracing Local Ecological Management and Environmental norms through the Teachings of Sustainability via Indian Knowledge systems, Rathinam College of Arts and Science, Coimbatore, 17-23 Oct 2024.

National Education Policy: Stepping Stone to Excellence of Higher Education Institutions conducted by MES Kalladi College, Mannarkkad from 14th to 18th February 2025.

Dr. Veena V

Interdisciplinary Refresher Course in Basic Science from 26 November to 9 December 2024, organized by MMTTC, Kannur University.

Dr. Archana ER

Interdisciplinary Refresher Course in Basic Science from 26 November to 9 December 2024, organized by MMTTC, Kannur University.

Refresher Course- Contemporary Trends in Bio-Sciences conducted by Kumaon University, Nainital 25 February - 10 March

TRAINING PROGRAMS

Dr. Veena V

Workshop on Mastering thesis writing and Reference Management Software Zotero" on 02.11.24 organized by Central Library Providence Women's College.

Mrs. Dipija AP

One day Workshop on Mastering Thesis Writing and Reference Management. Organized by Providence Women's College (Autonomous) in association with KCLA. Nov 02, 2024

CONSULTANCY SERVICES OFFERED

The Department of Botany provided consultancy services to the Department of Botany, Farook College for the establishment of a tissue culture laboratory. This included the transfer of tissue-cultured plantlets and cultures, along with the best practices in plant tissue culture. The consultancy aimed to support Farook College in developing a fully functional tissue culture facility, fostering research, academic growth, and hands-on training in biotechnology



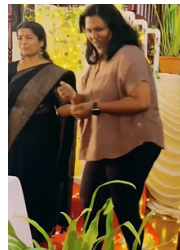
CELEBRATING BONDS: WELCOMING FORMERS FACULTY AND ALUMNAE

RE-LIVING PRECIOUS CAMPUS MOMENTS

FORMER FACULTY



ALUMNAE VISITS



ACHIEVEMENTS OF ALUMNAE



Dr. Anu Augustine
Professor, Kannur University. Sanctioned a project under EYUVA entitled Establishment of BIRAC EYUVA centre at the Kannur University



Shisy Jose
Obtained PhD in Biotechnology & Food Technology-Durban University of Technology, South Africa



Aparna Prasad
Obtained PhD in Botany from University of Calicut



Theertha AP
Obtained PhD in Botany from University of Calicut



Sruthi P
Obtained PhD in Botany from University of Calicut



Anjitha Thomas
Obtained PhD in Botany from University of Calicut



Athulya Sadanand CP
Obtained PhD in Botany from University of Calicut



Aparna Sudarsan
Qualified ICAR JRF



Rashma RK
Qualified ICAR JRF



Arsha K
Qualified GATE



Qualified SET
Amitha PP, Sneha Sherin KP, Anaswara Raj, Nashwa Shirin, Fathima Febin CP & Mufedath K



Vidya Deepthi
Secured second prize in the Science Project Competition (Teachers' category) in the Sate Level School Science Fair

ALUMNAE INVOLVEMENT IN INSTITUTIONAL ACTIVITIES

Conducted an International seminar - Unlocking Molecular Biology: A Gateway to Bioinformatics as an honorary recognition to Dr. Minoo Divakaran, with sponsorship from Proviflora, the Botany Alumnae Association. A few alumnae members like Dr. Shobhakumari VP, Dr. Shisy Jose, Dr. Sharanya Babu Jayaprakash, Ms. Alakananda PM and Ms. Farhana Muhammadali KV also contributed as speakers

PROVIDENCE WOMEN'S COLLEGE
[AUTONOMOUS] KOZHIKODE
Re-Accredited with Grade A++ (3.65) by NAAC
DBT Star College
DST CURIE College

TWO DAY INTERNATIONAL SEMINAR

**UNLOCKING MOLECULAR BIOLOGY
A GATEWAY TO BIOINFORMATICS**

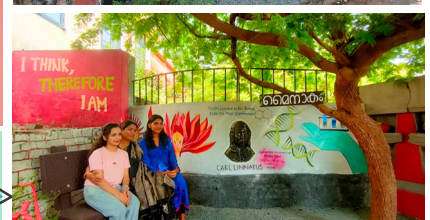
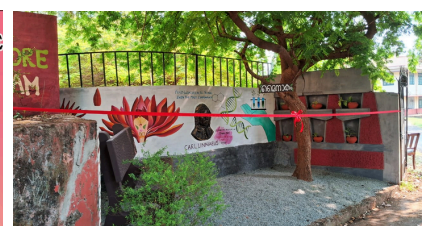
A TRIBUTE TO
PROF. DR. MINOO DIVAKARAN FLS
An assembly of voices from her Mentors, Friends and Former Students

2025 March 13-14
CAMEL HALL

Sponsored by
PROVIFLORA- THE BOTANY ALUMNAE ASSOCIATION

Supported by: Serah MANCOMP

A Canvas of Gratitude- Mainakam:
A Wall Art Initiative by Alumnae



COLLABORATIVE ACTIVITIES FOR NATURE CONSERVATION



NATURE POSITIVE UNIVERSITIES ALLIANCE



KERALA RIVER PROTECTION COUNCIL

GREEN MOVEMENT KERALA



KERALA SASTRA SAHITHYA PARISHATH



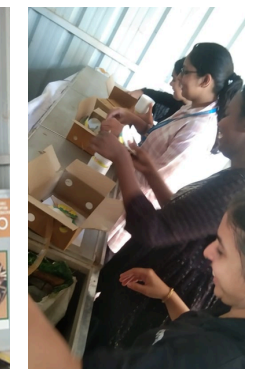
NIRAVU ORGANIC VILLAGE



CLEAN CAMPUS INITIATIVES - DISPOSING WASTES FROM CLASSROOMS PROPERLY



KOZHIKODE BLOCK PANCHAYATH



BHOOMITHRASENA CLUB

Be the change, Save the Planet!



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

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

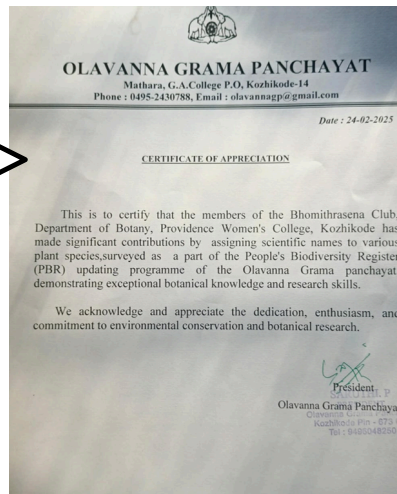
Interact with the Champ:

An interaction programme with the Vanamithra Award winner Baby Devika Deepak- young naturalist and conservator was organized on 03-02-2025.



Participating in the preparation of People's Biodiversity Register

Bhoomithrasena Club members were involved in assigning scientific names to the species surveyed as part of People's Biodiversity Register prepared by Olavanna Grama Panchayath during December 2024 to February 2025.



Participated in the auditing of existing waste management facilities at Nellikunnu Material Recovery Facility of Kozhikode Municipal Corporation in October 2024





AN INITIATIVE OF CCDU, WATER RESOURCES DEPT., GOVT. OF KERALA

Observing
World River Day



പന്ത്രിക 2024 ഒക്ടോബർ



പ്രൊവീഡൻസ് കോളേജിലെ വിദ്യാർത്ഥികളും അധ്യാപകരും കല്ലാ തീട്ടപ്പുഴ സന്ദർശിച്ചപ്പോൾ

നദി ദിനാചരണം

കോഴിക്കോട് അഞ്ചു പതിറ്റാണ്ടുകൾക്കു മുമ്പ് കല്ലാ തീട്ടപ്പുഴയെ ഒരു മണവാട്ടിയായി കവി സൂചിപ്പിച്ചെങ്കിൽ ഇന്ന് കല്ലാ തീട്ടപ്പുഴ രാക്ഷസിയുടെ രൂപത്തിലായി മാറിയത് വേദനാജനകവും അത്യന്തം ഗൗരവതരമുള്ളതും ആണെന്ന് എഴുത്തുകാരൻ വി. ആർ സുധീഷ് അഭിപ്രായപ്പെട്ടു. കേരള നദി സംരക്ഷണ സമിതിയുടെ നേതൃത്വത്തിൽ മൂന്ന് ദിവസങ്ങളിലായി നടക്കുന്ന നദി ദിനാചരണ പരിപാടിയിൽ പങ്കെടുക്കാനും ചെമ്പ് സംസാരിക്കുകയായിരുന്നു അദ്ദേഹം. സമിതി ജില്ലാ പ്രസിഡന്റ് ശബരി മുണ്ടക്കൽ അധ്യക്ഷനായി. യു. രാമചന്ദ്രൻ മുഖ്യപ്രഭാഷണം നടത്തി. സുമ പള്ളിപ്പുറം, സുബിഷ് ഇല്ലത്ത്, ഷാജു ഓയ്കെ, പി അബ്ദുൽത്തീഫ്, സി. കെ. രാജലക്ഷ്മി, ശശികുമാർ മാത്തോട്ടം സംസാരിച്ചു.



PROVIDENCE WOMEN'S COLLEGE (AUTONOMOUS) KOZHIKODE
DEPARTMENT OF BOTANY
BHOOMITHRASENA, BIODIVERSITY & JALASREE CLUB
WORLD WETLAND DAY OBSERVATION
SEMINAR ON
"Wetland Revival: Ensuring a Sustainable Future"
Shri. ABDUL HAMEED
Rtd. Scientist, CWRDM
INTERACT WITH THE CHAMP
Ms. DEVIKA DEEPAK
Young Naturalist and Conservator

"Save the wetlands as the future of the Earth depends on them"

On 3 February, 2025
10 am
MV Hall



Observing
World Wetland

Observing
World Water Day



PROVIDENCE WOMEN'S COLLEGE (AUTONOMOUS), KOZHIKODE, KERALA, INDIA
Re-accredited with A++ grade (3.65) by NAAC
DBT Star College DST CURIE College

SPLASH OF KNOWLEDGE
A QUIZ PROGRAMME
On the theme of World Water Day 2025
Glacier Preservation
AS A PART OF OBSERVING
WORLD WATER DAY 2025
MARCH 21, 2025
11.30 A.M.
CARMEL HALL



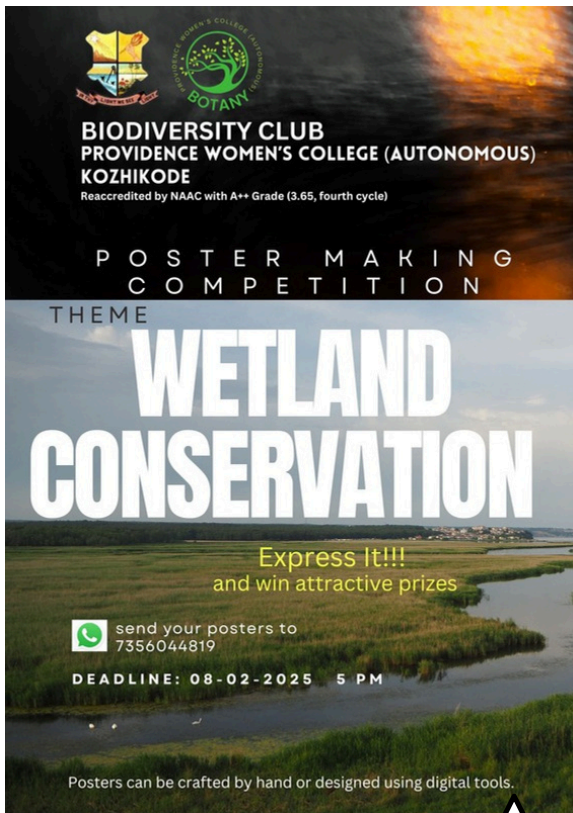
BIODIVERSITY CLUB

Biodiversity is our responsibility!



SUPPORTED BY KERALA STATE BIODIVERSITY BOARD

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



Poster making competition in connection with World Wetland Day

Regular activities of the Club

- Maintenance of Santhisthal, a repository of endemic fruit trees.
- Conducting Biodiversity conservation awareness programmes
- Maintenance of gene banks
- Nature Walks & Field Trips
- Tree Plantation Drives
- Observing relevant Days



Participated in the organic vegetable farming initiatives of the Niravu Organic Village

Study of coastal ecosystems and adaptations of plants at the shore of Thikody

Data collection for the preparation of People's Biodiversity Register



Study of wetland associated Flora at Kannadikkal wetlands



NATURE CLUB

Protect Nature, Protect Life!



Nurturing greenery within the campus premises



Observing World Coconut Day

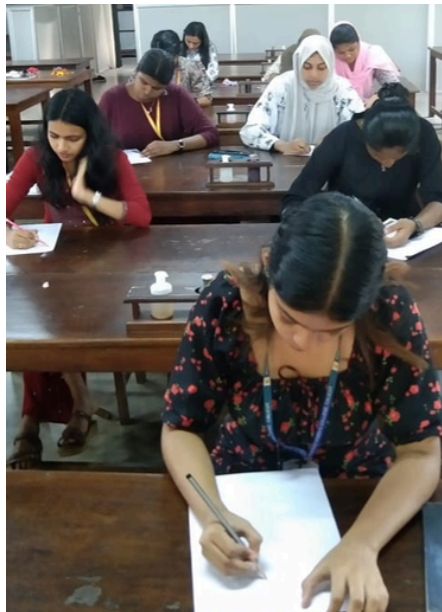


NATURE CLUB
PROVIDENCE WOMEN'S COLLEGE (AUTONOMOUS)
KOZHIKODE
Reaccredited by NAAC with A++ Grade (3.85, fourth cycle)

Pencil Drawing Competition

Theme
WETLANDS

Date: 05-02-2025
Duration: 1 hr (12.30 pm -1.30 pm)
Venue: Botany Lab



Pencil Drawing Competition as a part of observing World Wetland Day



PROVIDENCE WOMEN'S COLLEGE (AUTONOMOUS)
RE-ACCREDITED WITH A++ BY NAAC, DBT STAR COLLEGE
Carmel Hill, Malapparambik, Kozhikode-673009

DEPARTMENT OF BOTANY
IN ASSOCIATION WITH
NATURE CLUB

BEAN BOOM
OBSERVING WORLD PULSES DAY

Love pulses for a healthy diet and planet

10 Feb 2025
Monday

EVENT HIGHLIGHTS:

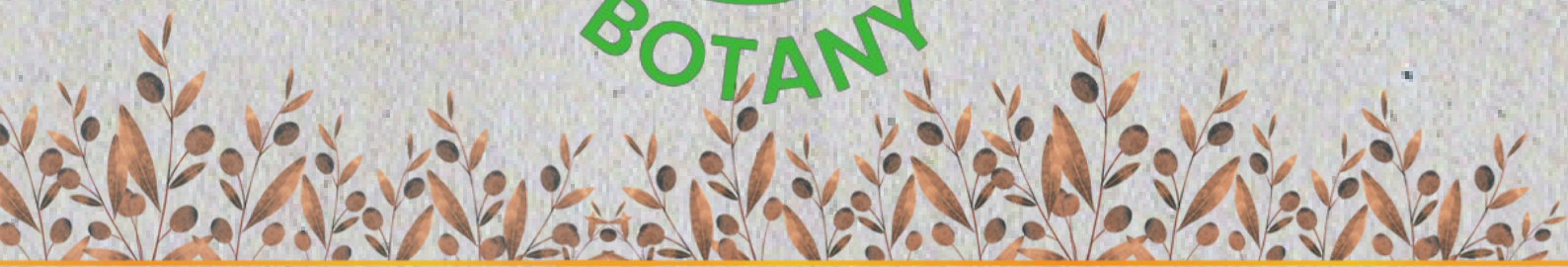
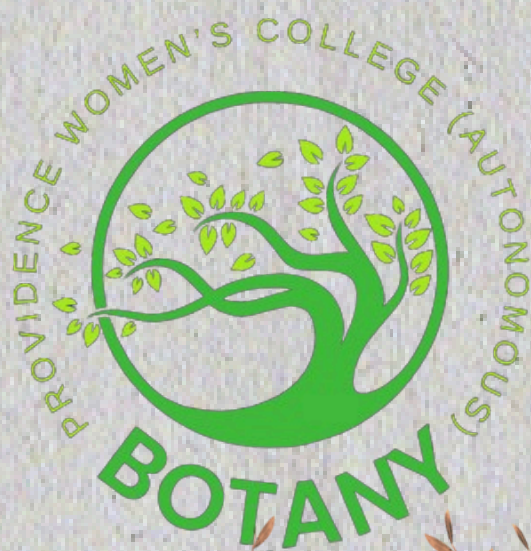
- Food Fest
- Exciting games
- Quiz competition

ALL-ARE WELCOME !!



Session on the causes and ecological impact of Wayanad landslide, in association with Green Movement Kerala

Observing World Pulses Day



DEPARTMENT OF BOTANY



PROVIDENCE WOMEN'S COLLEGE (AUTONOMOUS) KOZHIKODE

