

MES ASMABI COLLEGE

Research and Planning



RESEARCH AND DEVELOPMENT ACTIVITIES

| SI.no | Title |
|-------|---|
| 1 | Research Council |
| 2 | Research Promotion Cell |
| 3 | Research Departments |
| 4 | Hornbill foundation research extension Centre |
| 5 | Biannual Journal - Meridian |

Research Council



The Research Council developed research policies applicable to all three research departments in the college. Research ethics, plagiarism policy, etc., were delt with here. Periodic reviews of research projects, mock vivavoce, and synopsis presentations were taken up by the Research Council to ensure a tension-free thesis presentation. It ensured the organization of Research Conclaves every year, which served as a platform for scholars to present their research developments.

Research Promotion Cell

The Research Promotion Cell developed research promotion policies encouraging the participation of research scholars, faculties and students in presenting their project works/research papers in upcoming conferences. It ensured the publication of the biannual journal, which served as a platform for scholars to present their research developments.



| Nº | ACTIVITIES DONE |
|----|---|
| 1 | National seminar on "Research Methodology in English" Workshop on research writing and publishing |
| 2 | Research Methodology and preparation of project report |
| 3 | Workshop on Research writing and publishing |
| 4 | Workshop on Mendeley Part II |
| 5 | Workshop on Research data analysis – SPSS |
| 6 | Esploro 22 Conference |
| 7 | EXPLORING THE EXPERIENCED on 13th & 15th September 2021 |
| 8 | Masters Research Presentation |
| 9 | Research Conclave 2023 |
| 10 | Faculty Development programme on Al tools |

National seminar on "Research Methodology in English" Workshop on research writing and publishing on 20th June 2022



The "National Seminar on Research Methodology in English" and the accompanying workshop on research writing and publishing resulted in improved research skills among participants. The outcomes included enhanced understanding of research methodologies in the field of English studies, increased proficiency in research writing, and a greater ability to contribute to academic publications, fostering the overall research culture among attendees.

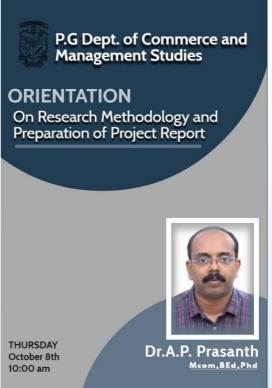






Research Methodology and preparation of project report

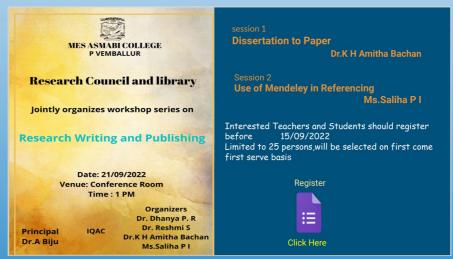




The outcome of the "Workshop on Research Writing and Publishing" included participants gaining practical skills in academic writing, understanding the publication process, and improving their ability to produce quality research manuscripts. This workshop empowered attendees with the knowledge and tools necessary to effectively communicate their research findings and contribute to the academic discourse in their respective fields.

Workshop on Research writing and publishing

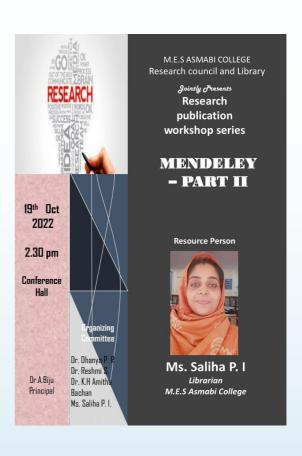




Workshop on Mendeley

Mendeley Part II was the result of constant requests from research scholars to upgrade their skills acquired in the first session of the research publication workshop. It was an hands-on training session that required an entire afternoon.





Workshop on Research data analysis – SPSS



The outcome of the "Workshop on Research Data Analysis – SPSS" involved participants acquiring proficiency in using the Statistical Package for the Social Sciences (SPSS) for data analysis. Attendees gained practical skills in conducting statistical analyses, interpreting results, and applying data-driven insights to their research, contributing to the overall enhancement of their research capabilities.







The outcome of a research conclave involved exchanging innovative ideas, presenting cutting-edge research, and fostering collaboration among researchers. Attendees gained insights, established connections, and contributed to advancing knowledge, enhancing research capabilities, building networks, and promoting interdisciplinary discussions in their respective fields.

EXPLORING THE EXPERIENCED on 13th & 15th September 2021



MES ASMABI COLLEGE, P. VEMBALLUR

You are cordially invited to the

Webinar series

EXPLORING THE EXPERIENCED:

A space for listening to wonderful researchers cum academicians about their ocean experience

13th to 15th September 2021



Dr. Aneesh Kumar K. V. Assistant Professor & HoD, Department of Aquaculture, Sacred Heart College





Dr. Minu P. Researcher, ICAR-CMFRI

Dr. Shaju S. S. Asst Professor **Department of Chemical** Oceanography, CUSAT



DEPARTMENT OF FISH PROCESSING TECHNOLOGY

Dr. A. Biju, Principal Dr. Sayana K. A. Smt. Ujjwala Navas Smt. Sugaina Sulaiman M. S.



MES ASMABI COLLEGE, P. VEMBALLUR

EXPLORING THE EXPERIENCED:

A space for listening to wonderful researchers cum academicians about their ocean experience

PROGRAMME

Day 1: 13-09-2021, Monday

: 11.00 am Time

Welcome : Dr. Sayana K. A., Head, Dept. of Fish Processing

Technology Presidential address : Dr. A. Biju, Principal

Presentation

: Deep-sea fishes: Diversity, Biology and Ecology : Dr. Aneesh Kumar K. V. Resource person

Assistant Professor & Head

Department of Aquaculture, Sacred Heart College (Autonomous), Thevara

Day 2: 14-09-2021, Tuesday

Time

: 11.00 am Welcome

: Shri. Prasoon T. P., BVOC - Nodal Office & Head, Dept. of Digital Film Production

Presidential address : Dr. K. P. Sumedhan, Director, Self Financing

Presentation

Topic : Ocean and carbon

Resource person : Dr. Shaju S. S.

Department of Chemical Oceanography, CUSAT

Day 3: 15-09-2021, Wednesday

: 11.00 am

: Ms. Sugaina Sulaiman M. S., Asst. Professor, Welcome

Dept. of Fish Processing Technology : Dr. K. Kesavan, Head, Dept. of Aquaculture

Presentation

Presidential address

: Indian expedition to polar regions Topic

: Dr. Minu P., Resource person

Masters Research Presentation on 4th August 2022



Masters Research Presentation was to expose the MSc. students to a research environment. Presenting the student's research findings in front of a scientific community helped them gain insights, and analytical skills. It provided an opportunity for the student to showcase their mastery of the subject matter, receive feedback from peers and faculty, and contribute to the academic discourse in their field of study. The overall impact often included academic and professional development for the student, as well as potential contributions to the broader research community.

Research conclave -Exploro 2023

Exploro 2023 was the continuation of research conclaves held annually in the college. It provided an essential platform for beginners in research to explore their soft skills without fear.



Faculty Development Programme



HANDS ON TRAINING ON ARTIFICIAL INTELLIGENCE (AI) ENHANCED TEACHING AND LEARNING



Faculty development programme was organized on artificial intelligence to equip the staff according to the changing times. The use of ChatGPT, Sider, different prompt sites was introduced. Later, the participants were asked to try out their skills on online apps. The session proved to be very interesting and spanned the entire day.

NCIATRI 2023

The National conference on a multidisciplinary realm was inaugurated by the Honourable Vice-chancellor of the University of Calicut. Paper presentations by scholars and students involved our first international student, Joyce M Raphael, too.





RESEARCH DEPARTMENTS

| SI.n o | Title | No.of Research Guides | No.of scholars |
|-----------|--|--------------------------|-------------------|
| 1 | Research and PG Deparment of Botany | 8 | 15 |
| 2 | Research and PG Deparment of Commerce | 3 | 12 |
| 3 | Research and PG Deparment of English | 2 | 2 |



Well-equipped lab facilities with full-fledged Chemistry and **Biochemistry** laboratories, dissection labs for BSc. Botany and BSc. Aquaculture students, Physics labs renovated to meet the requirements of Masters and Bachelor students. The labs ensured practical experience for the students of what they learned theoretically in the classrooms, paving the way for future research scholars to identify their

goals..





Innoculation hood

Incubation unit

Asmabi College Road, Kodungallur, Thrissur, 680671, KL, India

Autoclave

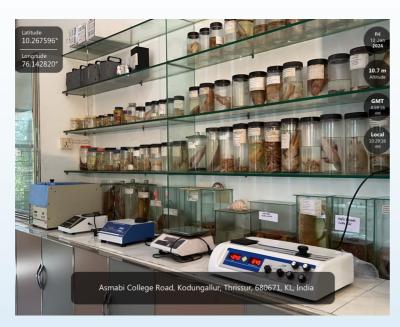


Rotary Flask Shaker

pH Meter

Latitude 10.267693°

Fish and Shellfish Taxonomy lab





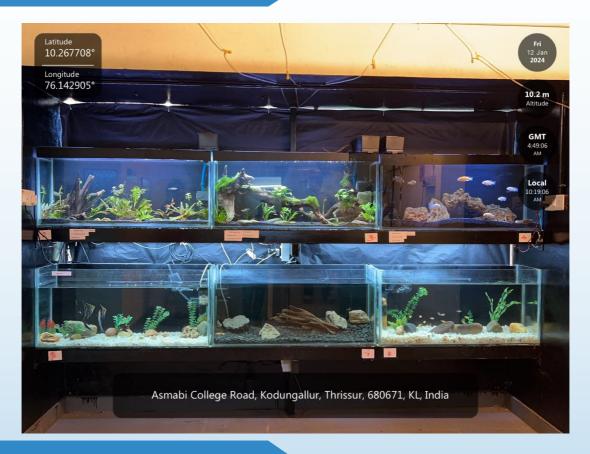
Microbiology training facilities







Indoor aquarium complex



Outdoor fish culture units



Herbarium



Cubicles for research scholars



Chemical stock





OPTICAL LAB





LASER LAB

ELECTRONICS LAB



PHYSICS LAB



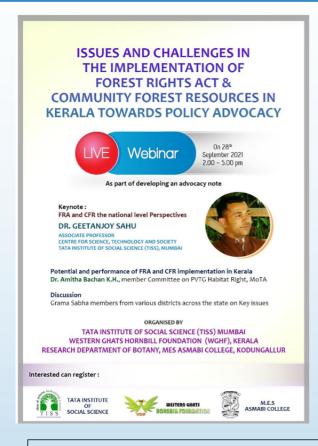
Biochemical analysis



Hornbill foundation research extension Centre

| Nº | ACTIVITIES DONE |
|----|---|
| 1 | Forest Right Act and Community Forest Resource in Kerala TowardsPolicy Advocacy |
| 2 | MoU for Research and Best practice with BMC SN Puram |
| 3 | Mangrove Restoration at Gothuruth, SN PuramGramaPanchayath |
| 4 | Plant count at Coastal Ecorestoration site |
| 5 | Conference -Riparian Forest for Fish ,Rivers and people towards "ecological management of rivers" |
| 6 | World Environment Day 2022 : Launching MAD Week Event |
| 8 | Costal Vegetation Belt for Climate change Induced Disaster Mitigation |
| 9 | Seminar on Forest Rights and Traditional Resource Management for Tribal Communities of Nilambur. |
| 10 | 3 Day National workshop on Research data analysis Application of GIS and GIS and Research writing in Ecology Environment Conservation biology and Angiosperm Taxonomy |
| 11 | Minister Visited Coastal Restoration Site – Model for Coastal Restoration |
| 12 | Strategic Plan for the Conservation of Sacred Grove – Project Completion Programs |
| 13 | Principle and Practices for Eco restoration of Coastal Ecosystems in Kerala |
| 14 | Conservation and Right Debate Series |
| 15 | MoU with Kerala State Biodiversity Board on 17th December 2018 |

Webinar On Forest Right Act and Community Forest Resource in Kerala Towards Policy Advocacy on 28th September 2021



The outcome of the initiative on "Forest Right Act and Community Forest Resource in Kerala Towards Policy Advocacy" involved increased awareness, engagement, and advocacy for community forest rights in Kerala. This effort may have contributed to policy discussions, empowered local communities, and influenced decision-making processes for the sustainable management of forest resources in the region.

MoU for Research and Best practice with BMC SN Puram



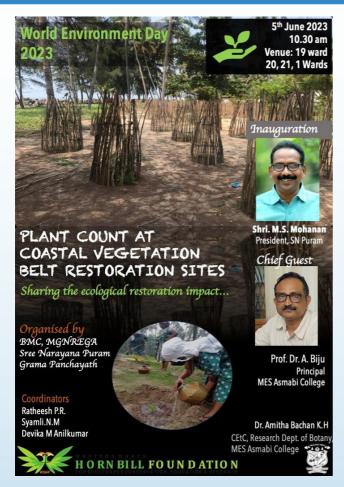
Mangrove Restoration at Gothuruth, SN Puram Grama Panchayath on 3rd September 2023





The outcome of the Mangrove Restoration project at Gothuruth, SN Puram Grama Panchayath included environmental conservation, improved biodiversity, and community engagement. The project may have contributed to the restoration and protection of mangrove ecosystems, fostering ecological resilience and raising awareness within the community about the importance of preserving coastal habitats.

Plant count at Coastal Vegetation Belt Restoration site on 5th June 2023





The outcome of the plant count at the Coastal Ecorestoration site involved assessing the success of the restoration effort, monitoring the growth and health of planted vegetation, and gathering valuable data for future conservation initiatives. A successful plant count could have indicated progress in ecosystem restoration, increased biodiversity, and the establishment of a more sustainable coastal environment.

Conference On Riparian Forest for Fish ,Rivers and people on 21st May 2022

The outcome of the conference on "Riparian Forest for Fish, Rivers, and People towards Ecological Management of Rivers" increased the awareness about the importance of riparian forests, collaborative strategies for river ecological management, and the exchange of knowledge among participants. The conference facilitated discussions on sustainable practices, conservation measures, and policies aimed at improving river ecosystems for the benefit of both aquatic life and local communities.

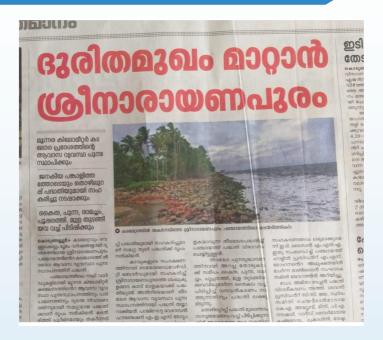


Launching MAD Week Event on 5th June 2023

The outcome of the World Environment Day 2022 event, specifically the launch of the MAD (Make A Difference) Week, heightened awareness about environmental issues, increased community engagement in sustainable practices, and the initiation of various activities aimed at making a positive impact on the environment. The event inspired individuals to contribute actively to environmental conservation and promoted a sense of collective responsibility for the well-being of the planet.



Costal Vegetation Belt for Climate change Induced Disaster Mitigation



The outcome of the initiative on "Coastal Vegetation Belt for Climate Change-Induced Disaster Mitigation" involved the establishment of a resilient vegetation belt, contributing to natural disaster mitigation along coastal areas. This effort may have resulted in increased protection against climate change-induced disasters, improved biodiversity, and enhanced community resilience, aligning with sustainable practices for coastal ecosystem management.



Minister Visited Coastal Restoration Site – Model for Coastal Restoration

3 Day National workshop on Research data analysis Application of GIS



The 3-day National
workshop on
Research Data
Analysis, Application
of GIS, and Research
Writing in Ecology,
Environment,
Conservation Biology,
and Angiosperm
Taxonomy has
concluded

Seminar on Forest Rights and Traditional Resource Management for Tribal Communities of Nilambur on 12th December 2019

The outcome of the Seminar on Forest Rights and Traditional Resource Management for Tribal Communities of Nilambur likely includes increased awareness among tribal communities about their forest rights and traditional resource management practices. The seminar may have facilitated discussions on legal frameworks, community empowerment, and sustainable resource utilization, aiming to empower tribal communities and contribute to the effective implementation of forest rights in the Nilambur region.







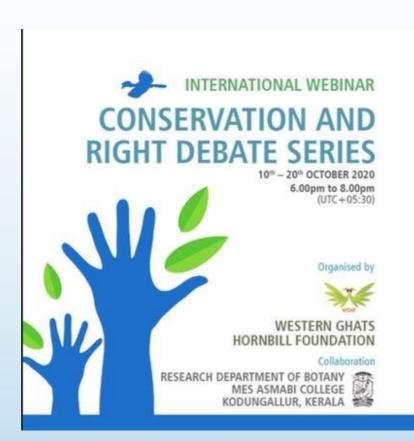
Strategic Plan for the Conservation of Sacred Grove – Project Completion Programsata analysis Application of GIS



Principle and Practices for Eco restoration of Coastal Ecosystems in Kerala on 16th September 2021



Conservation and Right Debate Series on 10th -





The completion of the Strategic Plan for the Conservation of Sacred Grove likely resulted in a comprehensive framework for the preservation of these ecologically and culturally significant areas. The outcome included increased awareness, community involvement, and the implementation of conservation programs aimed at safeguarding sacred groves, fostering biodiversity, and preserving cultural heritage. The strategic plan's completion represented a milestone in promoting sustainable practices and ensuring the long-term well-being of sacred groves.

MoU with Kerala State Biodiversity Board on 17th December 2018



CMemorandum of Understanding made on the ...17th..day of December 2018 BETWEEN the Head...Principal, MES Asmabi College, P. Vemballur, Kodungallur Thrissur Dt. Kernal ...of the first part (hereafter referred to as the Party 1) and Secretary and Director Administration, Western Ghats Hornbill Foundation, Kerala-680685 India(hereinafter referred to as the Party 2) of the other part.

WHEREASKerala State Biodiversity Board (KSBB) has Sanctioned (No. A8/3371/2018/KSBB) a joint project by Research Department of Botany MES Asmabi College and Western Ghats Hornbill Foundation entitled "Assessment of Impact of flood/landslide on Biodiversity Ecosystems and developing methodology for long-term monitoring and evaluation of changes in the ecosystem and biodiversity: A case study in the Athirapilly Panchayath" with Dr. Amitha Bachan K.H. as the Principal Investigator (PI) and Mr. M.PShajan as Co Investigator (Co-PI). Both the agency has agreed to takeover, carryout, complete and submit the report on the terms hereinafter contained;

NOW THESE PRESENTS WITNESS AS FOLLOWS:-

1. These general terms and conditions of this MoU will be in accordance with the "MoU" signed between the MES (Party -1) and KSBBAgency and the Board

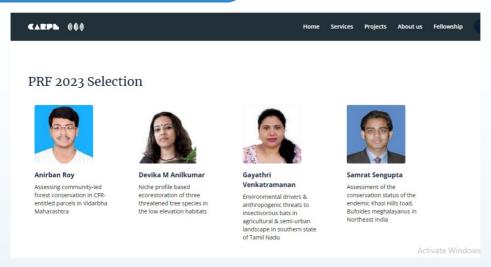
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RESEARCH INTERNSHIP & FELLOWSHIPS

| SL.NO. | FELLOWSHIPS | DEPARTMENT | NUMBER OF STUDENTS BENEFITED |
|--------|--------------------------------------|------------|------------------------------------|
| 1 | Prakriti Research Fellowship | Botany | 1 |
| 2 | Rufford Nature Conservation Grant | Botany | 1 |
| 3 | UGC JRF Fellowship | Commerce | 7 |
| 4 | UGC JRF Fellowship | Botany | 10 |
| 5 | UGC JRF Fellowship | English | 2 |

Prakriti Research Fellowship



The Prakriti Research Fellowship gave advancement to environmental research, fostering innovation, and supporting emerging researchers in addressing key challenges related to nature and biodiversity. Participants contributed to scientific knowledge, developed solutions for environmental issues, and furthered the collective understanding of sustainable practices, thus positively impacting the field of environmental research.

Rufford Nature Conservation Fellowship



Devika M Anilkumar, PhD Fellow received Rufford Nature Conservation **Grant – Rufford Nature Conservation**

To accept the terms of this Grant Agreement, please return one signed copy that includes all 4 pages of this Offer Letter by e-mail to jane@rufford.org We look forward to working with you,

The Rufford Foundation

By signing this Offer Letter below:

- you acknowledge that you have read and understood all the information contained in this Offer Letter;
- you commit to meet the requirements of this Offer Letter; and you agree to carry out the activities set out in your original funding application and to use reasonable endeavours to establish, develop and run the Project in order to achieve the objectives within the time-frames specified.

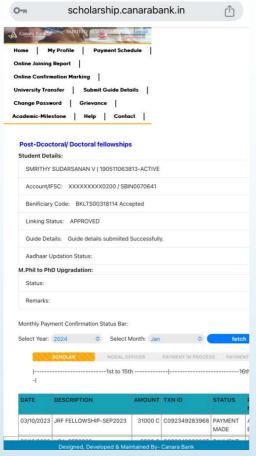
| Signed by |
|-------------------------------|
| THE RECIPIENT |
| Full name: Devika M Anilkumar |
| Role: Grant Recipient |
| Signature: |
| Dunne |
| Date: 4th June 2022 |
| |

UGC JRF Fellowships

oral fellowships

Student Details:

CELIN DIFNA C A | 1012/(NET-DEC2018)-ACTIVE



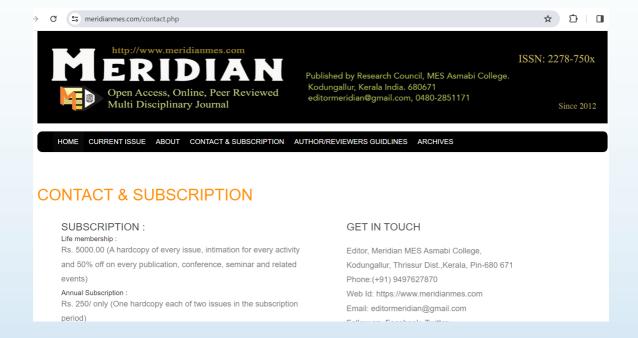
19 UGC JRF Fellowships.
7 from Research and PG
Department of Commerce
10 from Research and PG
Department of Botany
2 from Research and PG
Department of English.

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Biannual Journal - with ISSN

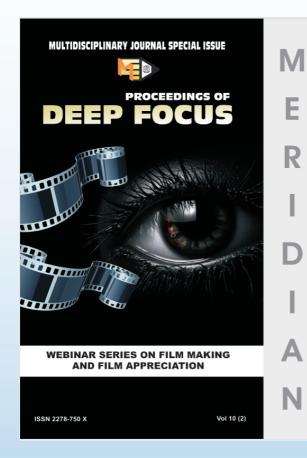


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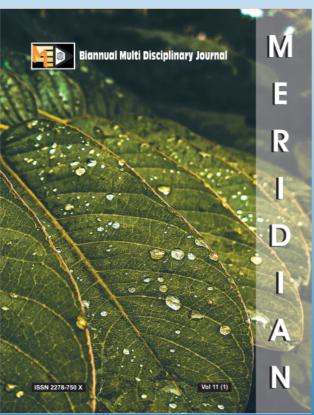
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