

**ACTIVITY REPORT**

**BHOOMITRASENA**

**2023-24**

**(JUNE-MAY)**

## COMMITTEE MEMBERS

<b>SINo</b>	<b>Name</b>	<b>Designation and Department</b>	<b>Position</b>
<b>1</b>	<b>Smt. SOUMYA K C</b>	<b>Assistant Professor of Zoology</b>	<b>Coordinator</b>
	<b>Sri. PRASAD N K</b>	<b>Assistant Professor of Zoology</b>	<b>Member</b>
	<b>Dr. SEEMA MENON</b>	<b>Assistant Professor of Zoology</b>	<b>Member</b>
	<b>Smt. PREETHA T</b>	<b>Assistant Professor of Chemistry</b>	<b>Member</b>
	<b>Shri. THILAKAN M K</b>	<b>Assistant Professor of Chemistry</b>	<b>Member</b>
	<b>Smt. RAGA R</b>	<b>Assistant Professor of Botany</b>	<b>Member</b>
	<b>Smt. REMEENA K JAMAL</b>	<b>Assistant Professor of Botany</b>	<b>Member</b>
	<b>Dr. MUNEER S</b>	<b>Assistant Professor of Malayalam</b>	<b>Member</b>

## **WORLD ENVIRONMENTAL DAY CELEBRATIONS 2023**

### **KKTM GOVERNMENT COLLEGE PULLUT**

#### **Report on activities jointly organized by KKTM SEEDS, Department of Zoology and Bhoomitrasena on 5th of June, 2023**

##### **Venue: College Auditorium**

World environmental day was celebrated at KKTM Government College on 5th of June, 2023. The programme was jointly organized by KKTM SEEDS, Department of Zoology and Bhoomktrasena of KKTM Governmnet College in association with VKRM GHSS ecoclub and KKTMGGHSS NSS unit, Kodungallur. The programme started at 11 AM with a prayer of second B.Sc. students. The president of KKTM seeds, Smt. Arya Ramachandran welcomed the audience. The chief guest of the programme Dr. V.S. Vijayan, Chairman, Salim Ali foundation inaugurated the function. The programme was presided over by Dr. Shaji E. M., Principal, KKTM Government College. In his inaugural address, Dr. Shaji elaborated on the motto of World Environmental Day 2023 “Beat Plastic Pollution” and the ways to conserve and protect biodiversity. Solar light was gifted to the college by KKTM SEEDS. Environmentalist and farmers who are also members of KKTM alumini were honoured in the function. The inagural session was followed by the talk delivered by Dr. V. S Vijayan. The talk was titled “Need for Biodiversity Conservation”. Various aspects of ecosystem pollution, service and need for ecosystem conservation were discussed. 25 students from KKTM GGHSS Kodungallur, 21 students from VKRM GHSS, 84 students from KKTM Government College, 17 members from general public and 10 faculties of KKTM government college participated in the function. Vote of thanks was delivered by Smt. Soumya K C., Assistant Professor and Coordinator of Bhoomitrasena, KKTM Government College, Pullut.

### **Programme Brochure**

**June 5th  
Environment day**  
BEAT PLASTIC POLLUTION

KKTM Seeds donates  
SOLAR LIGHT  
to KKTM Govt. College, Pullut.

Presided by  
  
Dr. E M Shaji  
(Principal in Charge,  
KKTM Govt College)

Inauguration  
  
Smt. T K Geetha  
(Chairperson,  
Kodungallur Municipality)

Chief Guest  
  
Dr. V S Vijayan  
(Chairman,  
Salim Ali Foundation)

**Time: 5th June, 2023,  
Monday @11 AM**  
Venue: KKTM Govt College, Pullut

**SEMINAR**  
Honouring the  
Environmentalists

**Organizers**  
1. KKTMSSEEDS Charitable Society  
2. Department of Zoology, KKTM College, Pullut 3. Bhoomitrasena,  
KKTM Govt. College Pullut.

In Association with  
V K R M GHSS Eco Club, PULLUT, K K T M GHSS NSS UNIT KODUNGALLUR

Prayer

Welcome Speech : Smt. Aria Ramachandran  
(President KKTMSSEEDS)

Presided by : Dr. E M Shaji  
(Principal in Charge,  
KKTM Govt College)

Inauguration : Smt. T K Geetha  
(Chairperson, Kodungallur  
Municipality)

**Dedication of Solar Light**  
sponsored by KKTMSSEEDS  
**Honouring the Environmentalists**  
**SEMINAR**

Subject Presentation: Dr. V S Vijayan  
(Chairman, Salim Ali Foundation)  
(Sub: Need for Biodiversity Conservation)  
Moderator: Smt. K H Binny,  
(HSST, KKTM GHSS, Kodungallur)

Vote of Thanks : Smt. K C Soumya  
(Coordinator, Bhoomitrasena,  
KKTM Govt College)

## Photographs of the Programme



## Media Reports

Youtube link of TV reporting

<https://youtu.be/5NkHINWB8YE>

**Paper cuttings from Malayala Manorama and Kerala Kaumudi**



**Participants List**



**UNIVERSITAS BINA NEGERI SURABAYA**  
**JABARAH**  
**FAKULTAS TEKNIK**  
**INSTRUMEN KENDARAAN**

Mata Kuliah: **TEKNIK KENDARAAN**  
 Kode Mata Kuliah: **TEK 4111**  
 Semester: **V**

No	Nama dan No. Mahasiswa	Nilai	Nilai Akhir	Uraian Jawaban	Nilai Akhir
14	Alvin A. A.	IX	20	PTO (P. 1)	100%
15	Sasha K. A.	IX	0	Resistor	0%
16	Mandayogian	IX	0	Induktansi	0%
17	Hipnotika P. S.	IX	0	Induktansi	0%
18	Septima	IX	0	Induktansi	0%
19	Devon S. S.	IX	0	Induktansi	0%
20	Devon S. S.	IX	0	Induktansi	0%
21	Alvin A. A.	IX	0	Induktansi	0%
22	Alvin A. A.	IX	0	Induktansi	0%
23	Alvin A. A.	IX	0	Induktansi	0%
24	Alvin A. A.	IX	0	Induktansi	0%
25	Alvin A. A.	IX	0	Induktansi	0%
26	Alvin A. A.	IX	0	Induktansi	0%
27	Alvin A. A.	IX	0	Induktansi	0%
28	Alvin A. A.	IX	0	Induktansi	0%
29	Alvin A. A.	IX	0	Induktansi	0%
30	Alvin A. A.	IX	0	Induktansi	0%

Dosen Pengajar: **Dr. H. H. H.**  
 NIP. 123456789

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 Semester: **V**

No	Nama dan No. Mahasiswa	Nilai	Nilai Akhir	Uraian Jawaban	Nilai Akhir
1	Shreyas S. S.	IX	0	Induktansi	0%
2	Alvin A. A.	IX	0	Induktansi	0%
3	Alvin A. A.	IX	0	Induktansi	0%
4	Alvin A. A.	IX	0	Induktansi	0%
5	Alvin A. A.	IX	0	Induktansi	0%
6	Alvin A. A.	IX	0	Induktansi	0%
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19	Alvin A. A.	IX	0	Induktansi	0%
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15	Alvin A. A.	IX	0	Induktansi	0%
16	Alvin A. A.	IX	0	Induktansi	0%
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19	Alvin A. A.	IX	0	Induktansi	0%
20	Alvin A. A.	IX	0	Induktansi	0%

Dosen Pengajar: **Dr. H. H. H.**  
 NIP. 123456789









**DEPT. OF ZOOLOGY**  
**KKTM GOVT. COLLEGE, PULLUT**  
**(Re-accredited by NAAC with 'A' Grade)**  
**in association with**  
**BHOOMITRASENA & INTERNAL QUALITY ASSURANCE CELL**

**REPORT- 'Shield- Ozone Day Observance 2023'**

The Department of Zoology, KKTM Govt. College, Pullut, in association with Bhoomitrasena and IQAC organised the extension programme '**Shield**', as part of **Ozone Day Observance for the year 2023** for the high school students of KKTM Government Girls' Higher Secondary School, Kodungallur, Thrissur on 25-09-2023 from 1:30 to 3:30 pm.

The programme targeted to generate awareness among an enthusiastic cluster of high school students about the importance of this day, based on the focal theme "Montreal Protocol: fixing the ozone layer and reducing climate change".

In the first session of the programme, students from V Sem BSc Zoology of KKTM Govt. College gave away awareness lectures to the audience. Aparna R talked on 'Ozone layer and its properties', Parvathi Sreelan on 'depletion of ozone layer' and Akash Chandran R on 'steps to minimise ozone depletion'. The session was interactive as well as informative.

A quiz competition pertaining to various aspects of ozone layer, its properties, hazards of depletion etc. was conducted by Dr. Seema Menon, Assistant Professor, Dept. of Zoology.

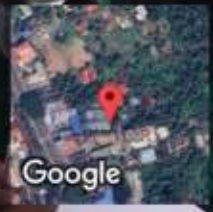
V Sem BSc Zoology of KKTM Govt. College, Minha Nourin and Devika A C conducted a poster display and description to educate, raise awareness and inspire action regarding the importance of the ozone layer and the efforts needed to protect it.

Dr. Seema Menon, Programme Co-Ordinator, Dr. Shaji E M, Associate Professor and Head, Dept. of Zoology and Ms. Soumya K C, Co-organiser (Co-Ordinator of Bhoomitrasena) also briefly interacted with the audience.

The following Facebook link directs us to the news regarding the above programme-  
<https://www.facebook.com/100064582603919/posts/pfbid0ppHqD6GADnmZ1FEVquFKfQnz6XQxxp1SUc22hWZfNH1ega54PEPJZipc5P2BoSWnl/?app=fbl>



GPS Map Camera



Kodungallur, Kerala, India  
65HX+HFV, Edapally - Panvel Highway, Star Nagar, Kodungallur, Kerala 680664, India  
Lat 10.229223°  
Long 76.198841°  
25/09/23 02:31 PM GMT +05:30



GPS Map Camera



Kodungallur, Kerala, India  
65HW+PXQ, Kodungallur, Kerala 680668, India  
Lat 10.229123°  
Long 76.197508°  
25/09/23 03:16 PM GMT +05:30





Kodungallur, Kerala, India  
65HX+G43, Kodungallur, Kerala 680669, India  
Lat 10.228721°  
Long 76.19772°  
25/09/23 01:51 PM GMT +05:30



Kodungallur, Kerala, India  
65HX+G7C, Star Nagar, Kodungallur, Kerala 680669, India  
Lat 10.228815°  
Long 76.198121°  
25/09/23 02:06 PM GMT +05:30






# ONE DAY THEMES DURING THE LAST 10 YEARS

- A healthy atmosphere the future we want
- Ozone Layer Protection: The Mission Begins On 30 years of healing the ozone layer
- Ozone And Climate Protection By A Joint United
- Caring for all life under the sun
- Keep cool and carry on Montreal protocol 32 years and healing
- 35 years of ozone layer protection
- Montreal Protocol - keeping us, our food and water safe
- Global Cooperation Protecting Life on Earth
- Montreal Protocol fixing the ozone layer and



 **GPS Map Camera**



**Kodungallur, Kerala, India**  
65HX+HFV, Edapally - Parvel Highway, Star Nagar, Kodungallur, Kerala 680664, India  
Lat 10.229223°  
Long 76.198841°  
25/09/23 02:23 PM GMT +05:30

## Report on Pencil Drawing Competition for High School Students in Connection with World Ozone Day Celebrations 2023

**Title of the Competition: Ozone for a Better Earth**

**Organizers: Bhoomitrasena and Department of Zoology**

**Date: September 16, 2023**

**Total Number of Entries: 12**

**First Prize Winner: Veena Vinod N., BVHSS Nayarambalam**

**First Prize: Cash Prize of ₹500**

In celebration of World Ozone Day on September 16, 2023, Bhoomitrasena and the Department of Zoology of KKTm government college organized a pencil drawing competition for high school students. The theme of the competition, "Ozone for a Better Earth," aimed to raise awareness about the importance of the ozone layer and its role in protecting life on Earth. The primary objectives of the competition were, educate students about the significance of the ozone layer, encourage artistic expression and creativity in depicting environmental themes and foster a sense of responsibility towards environmental conservation among young people. A total of 12 entries were received from high school students across various schools. Each participant showcased their artistic talent and understanding of the theme through their pencil drawings. The entries were evaluated based on creativity and originality, artistic skills and technique and overall impact. After careful consideration, Veena Vinod N of BVHSS Nayarambalam was declared the winner. Cash prize of ₹500 was awarded to her. Veena Vinod N.'s drawing stood out for its creative depiction of the ozone layer's protective role and its aesthetic appeal. The detailed and thoughtful portrayal captured the essence of the competition's theme effectively.



  
**BHOOMITRASENA & DEPARTMENT OF ZOOLOGY**  
KKTU Government College, Pullut,  
Thrissur, Kerala, 680663  
(Re-accredited with NAAC A grade)

Organizes a Pencil Drawing Competition for High School Students  
in connection with  
**WORLD OZONE DAY - 2023**

**THEME**  
**Ozone for a Better Earth**

Sent your entries (PDF Format) to: [zoologykktm@gmail.com](mailto:zoologykktm@gmail.com) on or  
before 28.9.2023

E-certificates will be provided for all the participants

For details please contact

<p>Dr. Shaji E. M. Head, Department of Zoology (9446467474)</p>	<p>Ms. Soumya K. C. Assistant Professor of Zoology &amp; Coordinator, Bhoomitrasena (8086764598)</p>
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*Cash prize 500/- for the winner*

**DEPT. OF ZOOLOGY**  
**KKTM GOVT. COLLEGE, PULLUT**  
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**in association with**  
**BHOOMITRASENA & INTERNAL QUALITY ASSURANCE CELL**

**REPORT- 'Shield- Ozone Day Observance 2023'**

The Department of Zoology, KKTM Govt. College, Pullut, in association with Bhoomitrasena and IQAC organised the extension programme '**Shield**', as part of **Ozone Day Observance for the year 2023 for the high school students of KKTM Government Girls' Higher Secondary School, Kodungallur, Thrissur** on 25-09-2023.

The questions were released through Google form ([https://docs.google.com/forms/d/e/1FAIpQLSdhKXRmCOxCyGSfxwwKfFRZNx\\_uJqEOfaGR\\_eFNerbAEdzUeww/viewform?usp=sharing](https://docs.google.com/forms/d/e/1FAIpQLSdhKXRmCOxCyGSfxwwKfFRZNx_uJqEOfaGR_eFNerbAEdzUeww/viewform?usp=sharing)).

A total of 656 students participated in the event: Link to the list of participants is - (<https://docs.google.com/spreadsheets/d/1xQUMMSELVDBv3GaLJGKPMHOEL63-0DLZZC0TVVRehQc/edit?usp=sharing>), showcasing their knowledge and understanding of the subject. Ajooba T. from GVHSS Puthenchira, and Sri Lakshmi M. S., from GHSS Valappad, emerged as the winners and secured a cash prize of Rs. 501 each. The program was coordinated by Dr. Seema Menon, Assistant professor of Zoology. With great participation, it turned out to be an excellent initiative to raise awareness and educate the students about the dangers of drug abuse, empowering them to make informed decisions and lead healthy lives.



## Report on Ozone Day Celebrations 2023 Lecture

Event: Ozone Day Celebrations 2023 Lecture  
Date: October 5, 2023  
Time: 10:30 A.M.  
Organizers: Department of Zoology & Bhoomitrasena  
In Association with: IQAC, KKTM Government College, Pullut

On October 5, 2023, the Department of Zoology and Bhoomitrasena, in association with the Internal Quality Assurance Cell (IQAC) of KKTM Government College, Pullut, organized a lecture as part of the Ozone Day Celebrations. The event, held at Zoology laboratory aimed to raise awareness about the critical issues related to ozone depletion, climate change, and their impact on the Arctic environment.

### Programme Schedule

#### Prayer

The event commenced with a silent prayer. Dr. Shaji E. M., Associate Professor and Head of the Department of Zoology at KKTM Government College, delivered the welcome speech. Dr. Shaji emphasized the significance of Ozone Day and the importance of understanding the environmental challenges we face. He highlighted the role of the college in promoting environmental awareness and education.

The inaugural address was given by Dr. Bindu Sharmila T. K., Principal of KKTM Government College. Dr. Bindu Sharmila stressed the urgency of addressing ozone depletion and climate change. She applauded the efforts of the organizers and collaborators for their commitment to environmental sustainability and education. Her address underlined the importance of academic institutions in fostering a culture of environmental responsibility. Dr. Lovely George, Head of the Physics Department and IQAC Coordinator at KKTM Government College, offered felicitations. She praised the initiative and the collaborative efforts of the departments involved. She noted the critical role that such educational events play in enlightening students and the community about pressing environmental issues.

#### Talk: "Arctic Impact: Ozone Depletion, Climate Change and the Fragile Arctic Environment"

The highlight of the event was a talk by the resource person, Mr. Akhil Prakash E., Senior Research Fellow at the School of Marine Sciences, Cochin University of Science and Technology (CUSAT). Mr. Prakash's lecture, titled "Arctic Impact: Ozone Depletion, Climate Change and the Fragile Arctic Environment," provided an in-depth analysis of the interconnectedness of ozone depletion



The image shows a poster for a lecture and a programme chart. The poster is for a lecture titled "Arctic Impact: Ozone Depletion, Climate Change and the Fragile Arctic Environment" organized by the Department of Zoology & Bhoomitrasena, IQAC, KKTm Government College, Pullut. It features photos of the inauguration by Dr. Binu Sharma T.K. and the resource person, Abhil Prakash E. The programme chart lists the following activities: Prayer, Welcome Speech by Dr. Shaji E. M., Inaugural Address by Dr. Binu Sharma T.K., Felicitation by Dr. Lovdy George, and a Vote of Thanks by Sravya K. C.

**DEPARTMENT OF ZOOLOGY & BHOOMITRASENA**  
*in association with*  
**IQAC**  
**KKTm Government College, Pullut,**  
 Thrissur, Kerala, 686665  
 (MUVU Recognized with A Grade)

*Organizes a lecture as part of Ozone Day Celebrations, 2023*  
*On 5<sup>th</sup> of October, 2023 @ 10.30 A. M.*

**TITLE**  
**Arctic Impact: Ozone Depletion, Climate Change and the Fragile Arctic Environment**

**Inauguration**  
 Dr. Binu Sharma T. K.  
 Principal  
 KKTm Government College

**Resource Person**  
 Abhil Prakash E  
 Senior Research Fellow  
 School of Marine Sciences, CUSAT

**Venue: Zoology Laboratory**

**PROGRAMME CHART**

Prayer

Welcome Speech: Dr. Shaji E. M., Associate Professor & Head Department of Zoology, KKTm Government College.

Inaugural Address: Dr. Binu Sharma T.K. Principal, KKTm Government College.

Felicitation: Dr. Lovdy George, Head of Physics Department & IQAC Coordinator, KKTm Government College.

**Title: Arctic Impact: Ozone Depletion, Climate Change and the Fragile Arctic Environment**

**AKHIL PRAKASH E**  
 Senior Research Fellow  
 School of Marine Sciences, CUSAT.

Vote of Thanks: Sravya K. C, Assistant Professor of Zoology & Coordinator, Bhoomitrasena.

## Report on Hands-On Training Programme on Roof Top Farming for College Students

Event: Hands-On Training Programme on Roof Top Farming  
 Date: January 8, 2024  
 Organizers: Department of Zoology & Bhoomitrasena, KKTm Government College, Pullut  
 Resource Person: Mr. Cibin J. Das, Research Scholar, Kerala Agricultural University, Mannuthy

On January 8, 2024, the Department of Zoology and Bhoomitrasena of KKTm Government College, Pullut, organized a hands-on training programme on roof top farming for college students. The initiative aimed to educate and empower students with practical knowledge and skills for

sustainable urban agriculture practices, particularly roof top farming, which is gaining popularity as an innovative solution to urban food security and environmental sustainability.

The event commenced with a welcome speech by Shri Prasad N. K., Assistant professor of Zoology, who emphasized the importance of adopting sustainable agricultural practices in urban settings. He highlighted the relevance of roof top farming as a means to utilize available space for growing food, thus contributing to food security and environmental conservation. Dr. Shaji E. M., Associate Professor & Head of the Department of Zoology, KKTM Government College, delivered the presidential address. Dr. Shaji elaborated on the college's commitment to promoting sustainable practices and the role of education in fostering a culture of environmental stewardship among students. The inaugural address was delivered by Dr. Bindu Sharmila T. K., Principal of KKTM Government College. Dr. Bindu Sharmila officially inaugurated the programme, stressing the importance of practical training in complementing theoretical knowledge. She encouraged students to actively participate and apply the skills learned in their own communities. Dr. Seema Menon, Assistant professor of Zoology, felicitated over the function. She praised the collaborative efforts of the Department of Zoology and Bhoomitrasena in organizing the training programme and acknowledged the resource person's expertise and contributions to sustainable agriculture.

#### Hands-On Training Session

The core of the programme was the hands-on training session conducted by Mr. Cibin J. Das, a research scholar from Kerala Agricultural University, Mannuthy. Mr. Das began with an introductory lecture on the basics of roof top farming, covering essential topics such as suitable crops, soil preparation, irrigation techniques, pest management, and the benefits of urban farming. The practical segment of the training involved a step-by-step demonstration of setting up a roof top garden. Mr. Das guided the students through the process of selecting appropriate containers, preparing soil mixes, planting seedlings, and installing an efficient irrigation system. The interactive session allowed students to ask questions and engage directly with the resource person, enhancing their understanding and practical skills. Mr. Das also shared success stories of roof top farming initiatives and discussed the potential challenges and solutions. He emphasized the importance of organic farming practices and the role of urban agriculture in mitigating urban heat islands and improving air quality.

The event concluded with a vote of thanks by Soumya K. C., Assistant Professor of Zoology and Coordinator of Bhoomitrasena. Soumya expressed gratitude to Mr. Cibin J. Das for his valuable contribution and to all the participants for their enthusiastic involvement. She also thanked the

college administration and faculty for their support in organizing the event. 40 students from various departments of KKTGM gov't college participated in the function.

