Assabah Arts & Science College, Valayamkulam P.G. Department of Chemistry

ANNUAL REPORT 2023-2024

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Academic year: 2023-2024

1. Name of programme: Ozone day: Quiz competition.

Date and Time	16 th October 2023, 10:30AM		
Organized by	P.G. department of Chemistry		
Target participants	Assabah College students		
Venue	College Auditorium.		

DETAILS OF PROGRAMME

Quiz Competition was held on 16th September 2023, at 10:00 AM through online mode, Google form to celebrate Mole Day and promote scientific knowledge among students. The event was organized by PG Department of Chemistry, Assabah Arts and Science College, Valayamkulam. It was aimed to engage participants in a series of challenging questions related to chemistry and scientific principles.

There were total of 64 students from different departments of College participated in the competition. 15 questions were given. Naja from Food Technology, Suvarna from MSc. Chemistry and Hana nisar from Food Technology won the First, Second and Third Prizes respectively.

The Science Mole Day Quiz Competition proved to be a highly engaging and educational event, fostering enthusiasm for science among students. It provided an opportunity for participants to showcase their knowledge and problem-solving abilities. We extend our gratitude to all the participants, organizers, and sponsors who contributed to the success of the event.



FIXING THE OZONE LAYER AND REDUCING CLIMATE CHANGE





✓ NO REGISTRATION FEE
 ✓ ALL UG &PG STUDENTS CAN
 PARTICIPATE
 ✓ PROVIDE E-CERTIFICATE FOR ALL THE
 WINNERS

Academic year: 2021-2022

1. Name of programme: Ozone day: Quiz competition.

Date and Time	16 th September 2023, 10:00AM	
Organized by	P.G. department of Chemistry	
Target participants	Assabah College students	
Venue	Google form	

DETAILS OF PROGRAMME

The World Space Week Painting Competition was held on 16th September 2023 to commemorate World Space Week and inspire creativity and interest in space exploration among participants. The event was organized by PG Department of Chemistry and aimed to provide a platform for participants to express their imagination and artistic skills through painting.

A total of 5 participants from different Departments participated in the painting competition. Participants were categorized into different age groups to ensure fair competition and appropriate judging criteria. Each participant was provided with necessary painting supplies, including canvases, paints, brushes, and other materials.

First prize was bagged by Aneesa from CS, Second prize to Najiha From Dept.Chemistry and Third prize to Arshana Dept.Chemistry.

The World Space Week Painting Competition provided a platform for participants to explore their fascination with space and express it through art. It fostered a sense of wonder and curiosity about the mysteries of the universe while celebrating the achievements of space exploration. We extend our appreciation to all the participants, organizers, and sponsors who made the event a success.







Academic year: 2021-2022

1. Name of programme: International Mole Day: Seminar presentation competition.

Date and Time	26 th October 2023, 10:00AM	
Organized by	P.G. department of Chemistry	
Target participants	Chemistry students	
Venue	College conference hall	

DETAILS OF PROGRAMME

On behalf of international mole day, a seminar presentation session for degree and pg Chemistry students was held in the college conference hall. The session was held on $26^{\rm th}$ October 2023, at 10:00 AM to 12:30 PM.

There were total four participants from both UG and PG classes. The programme was coordinated by Mr.Nazreen PV, Assistant Professor, Dept. of Chemistry. the session provided a great opportunity for the students to furnish their oratory skilol along with subject knowledge.

The presentations covered a wide range of topics related to chemistry, including: Applications of Avogadro's number in real-life scenarios, the history and significance of Mole Day, Quantum dots and Click Chemistry.

The audience actively participated in the Q&A sessions, demonstrating their interest and enthusiasm for the presentations. The interaction between participants and audience members added value to the event.

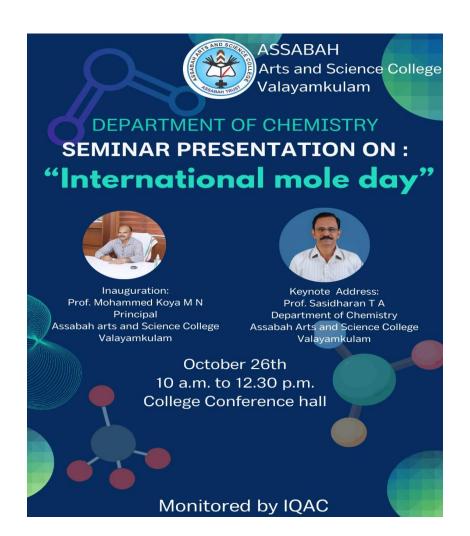
The Mole Day Seminar Presentation Competition was a resounding success, fostering a deeper appreciation for chemistry and providing a platform for students to showcase their talents. The event not only celebrated Mole Day but also inspired the next generation of chemists.











Academic year: 2021-2022

1. Name of programme: Seminar on "Research Methodology"

Date and Time	13 th November 2023, 10:00AM		
Organized by	PG and UG Chemistry students.		
Target participants	Assabah College students		
Venue	College conference hall		

DETAILS OF PROGRAMME

A Seminar on **Research Methodology :Scientific Method And Academic Writing** was conducted by PG Department of Chemistry on 13 November 2023 ,Monday at conference hall, at 10 am inaugurated by honourable President , Assabah Trust Shri. P P M Ashraf .

Prof. Sasidharan T A delivered a welcome speech. Presidential Address was delivered by Prof. Mohammed Koya M N and thereafter inaugural address done by the dignitary. Then the seminar session handled by DR. Binitha N N , Professor , Department of Chemistry ,University of Calicut .There were total 60 participants from both UG and PG classes .After the session students were allowed to asks their queries if any. DR. M K Baiju , Vise principal ,Assabah arts and science college delivered a felicitation speech and vote of thanks done by Nazreen P V , Assistant professor , PG department of Chemistry.

The Research Methodology class provided participants with a solid foundation in research methods and techniques, empowering them to undertake research projects with confidence and competence. By fostering critical thinking, analytical skills, and ethical awareness, the class contributed to the development of well-rounded researchers capable of making meaningful contributions to their respective fields.







Academic year: 2021-2022

1. Name of programme: Extension programme; Lab Visit for GHS Kokkur students.

Date and Time	5 th December 2023, 10:00AM	
Organized by	P.G. department of Chemistry	
Target participants	Students of GHS Kokkur	
Venue	Bsc.Chemistry lab	

DETAILS OF PROGRAMME

As part of Department extention programme, PG Department of Chemistry conducted a Lab visit for the High school students of GHS Kokkur on 5th December 2023, at 10:00AM. There were a total of 50 students and 4 faculty members from the school.

There were total 9 set of experiments demonstrated by degree and PG students of Chemistry. Experiments includes Golden spankles, simple acid base titrations, permanganometry, Artificial blood, NI₃ cracker, Chemical traffic light with indigo carmine, Elephant tooth paste and Lava lamp.

The session aimed to showcase the practical applications of Chemistry concepts and foster a deeper understanding of the subject among students. Various experiments were conducted, highlighting defferent chemical principles and phenomena.



























Academic year: 2021-2022

1. Name of programme: Seminar on "Research and career opportunities in Chemistry".

Date and Time	24 th January 2024, 10:00AM	
Organized by	P.G. department of Chemistry	
Target participants	Chemistry students	
Venue	College conference hall	

DETAILS OF PROGRAMME

A Seminar on Research And Career Opportunities In Chemistry was conducted by PG Department of Chemistry on 24 January 2024 ,Wednesday at conference hall, at 1.30 pm inaugurated by honourable guest Dr Basheer M C Assistant Professor ,Department of Chemistry PSMO college ,Thirurangadi.Prof. Sasidharan T A delivered a welcome speech. Presidential Address was delivered by Prof. Mohammed Koya M N. Felicitation speech done by Ms. Dreemy Samu K, Head of the Department Ansar Womens college, Perumbilavu. Then the seminar session handled by Dr. Basheer M C , .There were total 71 participants from both UG and PG classes .After the session students were allowed to asks their queries if any. Vote of thanks done by Majna K, Head of the Department, PG department of Chemistry, Assabah Arts and Science College.

Chemistry offers a wide array of research and career opportunities, spanning diverse industries and applications. Whether exploring the intricacies of molecular structures or developing innovative materials, chemistry plays a vital role in advancing scientific knowl\edge and addressing global challenges. By embracing continuous learning and leveraging their skills and expertise, chemistry professionals contribute to shaping a better and more sustainable future.





Academic year: 2021-2022

1. Name of programme: SHASTHRAAVABOTHAM PAREEKSHANANGALILOODE...

Date and Time	27 th February 2024, 10:00AM		
Organized by	P.G. department of Chemistry and Science Club		
Target participants	AUP SCHOOL Students, NELLISSERY.		
Venue	AUPS NELLISSERY, SUKHAPURAM		

DETAILS OF PROGRAMME

The Extension Program organized by the PG Department of Chemistry at AUPS Nellissery Sukhapuram on February 27, 2024, to commemorate National Science Day was a notable success. Mr. Shabna yousaf a faculty member from the PG Department of Physics, and Aneesh, an MSc student, conducted an engaging session in celebration of Science Day.

The event attracted a substantial turnout, with over 400 students from AUPS Nellissery actively participating. The program commenced with the inauguration conducted by Headmistress Ramla, adding a ceremonial touch to the occasion.

The session encompassed diverse topics related to Chemistry, fostering a deeper understanding of scientific principles among the students. The interactive nature of the session facilitated lively discussions and questions, creating an enriching environment for learning.

The Extension Program not only served as an educational platform but also contributed to the promotion of scientific curiosity and awareness among the student community. The collaboration between the PG Department of Chemistry and AUPS Nellissery showcased the significance of science education, aligning with the objectives of National Science Day.

In conclusion, the Extension Program on National Science Day left a positive impact on the students, emphasizing the importance of science and its applications in daily life.



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February-28 National Science Day

ശാസ്ത്രാവബോധം പരീക്ഷണങ്ങളിലൂടെ...

Session: Cultivating scientific temper through experiments 27/02/2024

27/02/2024 3.00 PM



SHABNA YOUSUF (ASSISTANT PROFESSOR OF CHEMISTRY ASSABAH ARTS AND SCIENCE COLLEGE)



SAJNA KV

(ASSISTANT PROFESSOR OF PHYSICS ASSABAH ARTS AND SCIENCE COLLEGE)





Academic year: 2023-2024

1. Name of program: "Eureka Nexus"

Date and Time	1 ST MARCH 2024	
Organized by	Department Of Physics , Chemistry & Mathematics	
Target participants	Students Of Physics, Chemistry & Mathematics	
Venue	COLLEGE AUDITORIUM	

On March 1, 2024, an engaging Science Association Program named "Eureka Nexus" took place at the college conference hall, fostering collaboration between the departments of Physics, Chemistry, and Mathematics. The event commenced with a gracious welcome speech delivered by Sushama K, the Head of the Mathematics Department, setting an inviting tone for the proceedings.

Following the welcome, Mohamed Koya M N, the esteemed Principal of Assabah Arts and Science College Valayamkulam, delivered a thought-provoking presidential address, emphasizing the importance of interdisciplinary collaboration in scientific endeavors.

The highlight of the event was the inauguration of "Eureka Nexus" by Dr. Jithin M, Head and Assistant Professor of the Physics Department at KR SN College Valanchery. Dr. Jithin M provided valuable insights into the theme of the session, focusing on "Intellectual Property Rights for Industry and Academia." This choice of topic showcased the program's commitment to addressing contemporary issues relevant to both academic and industrial spheres.

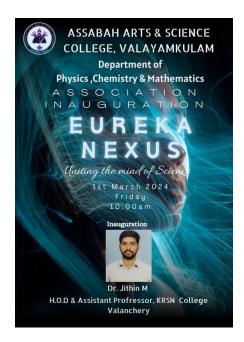
The session gained momentum as it delved into discussions, attracting participants with its intellectually stimulating content. The inclusion of Intellectual Property Rights highlighted the growing significance of protecting innovations in the fields of science and technology.

An essential component of the program involved recognizing and appreciating the academic toppers among the recently graduated students. This acknowledgment not only celebrated academic excellence but also motivated current students to strive for similar achievements.

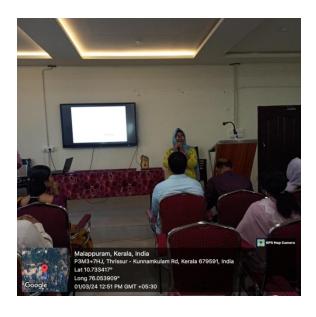
The facilitation of the session was expertly carried out by Sasidharan Sir, Praveen Sir, and Nusiaba. Their guidance ensured the smooth flow of the program, contributing to its overall success. The collaborative effort of the departments and the facilitators created a

dynamic learning environment, fostering a sense of unity and enthusiasm among the participants.

In conclusion, the Science Association Program on March 1, 2024, provided a platform for knowledge exchange, celebration of academic accomplishments, and valuable insights into the critical realm of Intellectual Property Rights in science. The event exemplified the college's commitment to holistic education and interdisciplinary collaboration.









Academic year: 2021-2022

1. Name of programme: "Surveillance of water quality in drinking water resources of Alamkode Panchayath"

Date and Time	12 th March 2024, 7:00AM
Organized by	P.G. department of Chemistry and Department of Geology
Target participants	Students of P.G. department of Chemistry and Department of Geology
Venue	Sample collection at Alamkode panchayath and Analysis at MSc.Chemistry Lab.

DETAILS OF PROGRAMME

An extension activity was conducted by Department of Chemistry on 12th March 2024 at 7:00 AM. There were a total of 17 students from Department of Chemistry and Geology. They were grouped to 3 groups and each group were accompanied by a faculty. Ms.Nazreeen PV and MS.Gopika M Kumar from Dept. of Chemistry leaded the students to collect the samples.

Water quality analysis is vital for understanding the health of our water bodies. This analysis aimed to assess various parameters of water quality in Alamkode Panchayath and to raise awareness about the importance of preserving water resources.

They have collected samples from 15 different houses. A questionnaire was given to each house as part of quality assessment. After that the analysis were done from the MSc Chemistry lab under the guidance of Prof.Sasidharan T A, Ms.Nazreen PV and Ms.Gopika M Kumar, Faculties of Department of Chemistry. Water quality parameters like smell, odour, conductance, pH, Turbidity, Dissolved Oxygen, Chlorine content, Iron content, Total Dissolved Solid Particles and Hardness and softness was analyzed.

Through this water quality analysis, we have gained valuable insights into the condition of water resources in Alamkode panchyath. The results highlight the need for proactive measures to mitigate pollution and protect our water ecosystems. The students were given the results and adequate remedial measurements for the house owners to keep their water pure. As students, we recognize our role in advocating for environmental stewardship and will continue to contribute to the conservation efforts in our community.



















