

ALCHEMI

DEPARTMENT OF CHEMISTRY

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ST. ALOYSIUS COLLEGE, EDATHUA

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(Affiliated to Mahatma Gandhi University, Kottayam)



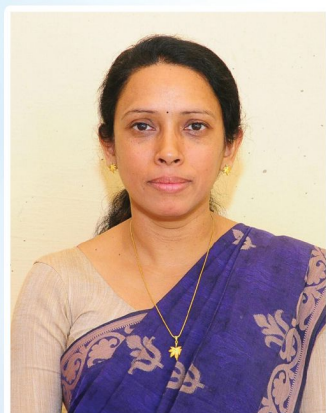
PRINCIPAL'S GREETING



I am delighted to acknowledge the release of the annual departmental newsletter, *ALCHEMI*, for the academic year 2023-24 by the Department of Chemistry. This publication reflects the steadfast commitment and enthusiasm of our chemistry community. I extend my congratulations to the department head, teaching and non-teaching staff, editorial board, and students involved in the production of this edition of the newsletter. Best wishes to all.

Prof. (Dr) Indulal G

HOD'S MESSAGE



We are excited to unveil the fifth edition of *ALCHEMI* (Aloysian Chemistry Informatics) to our audience. *Alchemi 24* showcases the department's wide-ranging activities throughout the academic year 2023-24. I want to extend my deep gratitude to every member of our department. A special mention goes to the devoted team that has painstakingly curated this newsletter, encapsulating our journey through words and images. As we venture into the future, let us continue to uphold our standards of excellence and camaraderie. I wish you all a fulfilling and prosperous journey ahead.

Dr. Anu Augustine

FROM THE EDITOR'S DESK



It brings me great honor and joy to be a part of the fifth edition of our newsletter, '*ALCHEMI*' 2023-24. As we explore this latest edition, I am filled with immense pride for the remarkable journey we have experienced throughout the past academic year. Within these pages, you will discover a reflection of the wide array of activities, achievements, and initiatives that have defined our department's character. I extend my sincere gratitude to every member of our department. May the insights shared within these pages serve as inspiration for us to strive for greater accomplishments and embrace new challenges with the same enthusiasm that distinguishes us. I hope you all cherish this newsletter and find joy in reading it.

Mr. Princemon Philip

INAUGURATION OF ALOYSIAN CHEMISTRY ASSOCIATION 2023-24

On November 3, 2023, the Chemistry Association's activities for the academic year 2023-24 were inaugurated with an event graced by Dr. Benson Joseph, Assistant Professor in the Department of Chemistry at SB College, Changanasserry. The meeting was chaired by Dr. Anu Augustine, the Head of the Department. Mr. Jaimin George, the association's President, extended a warm welcome to the attendees. Dr. Benson Joseph, the main speaker, delivered a presentation titled "UNVEILING THE CHEMISTRY OF SERENDIPITY: DISCOVERIES BEYOND THE EXPECTED." The lecture was conducted in an accessible and comprehensive manner, fostering active student participation. Dr. Benson Joseph also provided insights into potential career paths and academic opportunities following the completion of the BSc Chemistry course. The event concluded with a vote of thanks delivered by Arif Ali A, the student representative.



Release of ALCHEMI 2023

Release of ALCHEMI 2023 (Aloysian Chemistry informatics), the newsletter of the department was held on 3rd November 2023. Dr. Anu Augustine, HOD, handed over the newsletter to Dr. Benson Joseph.

ORIENTATION PROGRAMME FOR FRESHERS

The department arranged an orientation program for recently enrolled students and their parents on July 13, 2023, at 10:30 AM. The main goal of the event was to inform both parents and students about the academic components of the course and the institute's regulations. Mr. Princemon Philip addressed the students, extending a welcome and delivering a presentation on potential career paths in the field of chemistry.



CABS 2023 – CULTIVATION OF APTITUDE IN BASIC SCIENCE

As a part of CABS 2023, Department of chemistry organized an open laboratory visit for nearby school students on 19/06/2023. The event took place aimed to foster curiosity, inspire interest in science, and expose students to modern laboratory practices. The students were divided into small groups and guided on a tour of the laboratory facilities. They witnessed various experiments and modern laboratory instruments. The Open Lab Visit for School Students proved to be a highly beneficial event, igniting enthusiasm for science among the participants.



AWARENESS PROGRAMME ON DRUG ABUSE PREVENTION AMONG YOUTH

On 27th June 2023, the Department of Chemistry organized an awareness programme titled 'Drug Abuse Prevention among Youth' in observance of the International Day against Drug Abuse and Illicit Trafficking. The main objective of the event was to raise awareness about the potential risks and consequences of drug abuse.

Mr. Jaimin George commenced the programme with a warm welcome speech. The highlight of the event was Mr. B Ananda Raj, a Preventive Officer from the Excise Circle Office in Kottayam, who served as the chief speaker. He delivered a significant lecture that covered a range of topics, including the different types of drugs, their impact on physical and mental health, recognizing signs of drug abuse, and adopting strategies to maintain a drug-free lifestyle.

The programme successfully concluded with a vote of thanks expressed by Mr. Princemon Philip, expressing gratitude to all participants and speakers for their valuable contributions.



FRESHER'S DAY CELEBRATIONS

August 23, 2023, left an indelible mark on every newcomer of the academic year 2023-24 at the Department of Chemistry. On this day, seniors and juniors came together to revel in their shared experience within the college. The fresher's day brimmed with enthusiasm, happiness, musical performances, games, and more. The festivities culminated with a pleasant session of light refreshments.



ONAM CELEBRATIONS

On the 23rd of August 2023, the Department of Chemistry celebrated AVESHAM 2023, marking the occasion of Onam. The festivities kicked off with students enchanting the audience with a captivating onappattu. Dr. Anu Augustine, the Head of the Department, conveyed her heartfelt Onam wishes during her address, emphasizing the unifying and fraternity-building aspects of the festival. Beyond the Onam message, students took charge of organizing diverse cultural performances and coordinating Onam games, creating an engaging celebration for both the faculty and students.



INDUSTRIAL VISIT 2023-24

As a component of our curriculum, an educational excursion to Kerala Minerals and Metals Ltd (KMML) in Kollam was arranged on October 31, 2023, for the students. KMML stands as an integrated public sector enterprise specializing in the production of titanium dioxide, situated in Kollam, Kerala, India. Its activities encompass mining, mineral separation, synthetic rutile, and pigment production. The objective of the visit was to offer students practical insights into the processes and operations of a prominent company within our field of study. Observing the machinery and automation employed in the manufacturing of titanium dioxide proved to be an enlightening experience. The industrial visit to KMML proved to be a valuable and enriching addition to our academic learning.



COMMUNITY OUTREACH PROGRAM: WATER AND SOIL ANALYSIS

As part of our community outreach program, we conducted a water and soil analysis for the agrarian community in our neighbourhood on December 7, 2023. The goal of this initiative was to provide residents with knowledge about their environment's quality and encourage sustainable practices for a healthier community. Residents actively participated in engaging with our student experts, demonstrating a strong interest in comprehending the importance of water and soil quality. Each household that took part received a comprehensive report containing personalized recommendations to enhance water and soil quality. The collaborative atmosphere was evident as neighbours joined forces to collectively address environmental concerns. We eagerly anticipate continuing this collective journey, working together to build a sustainable and resilient neighbourhood for future generations.



AWARENESS CLASS AND DEMONSTRATION FOOD ADULTERATION AND FOOD FORTIFICATION

An awareness class and demonstration on food adulteration and food fortification were conducted on 19/12/2023, 10.30 AM at Mini auditorium in association with Kerala Food safety department. The event aimed to educate participants about the risks associated with food adulteration and promote the importance of food fortification in improving public health.

Mr. Jaimin George, Assistant Professor in the Department of Chemistry, extended a warm welcome, while Prof. Dr. Indulal G, Principal, delivered a felicitation. The informative session and practical demonstration were led by Mrs. Deepa Sivaraman, an Analyst from the Mobile Food Testing Lab in Alappuzha. The program concluded with an interactive segment, and Chirayil Dev Sudha, a student pursuing I B.Sc. Chemistry, expressed gratitude through a vote of thanks.

The food adulteration and food fortification awareness class and demonstration proved to be a valuable initiative in promoting food safety and nutrition. Participants left the event with increased awareness, practical skills, and a commitment to making healthier food choices. Ongoing efforts in education and advocacy are crucial for fostering a community that prioritizes food safety and embraces the benefits of fortified foods.



CHRISTMAS CELEBRATIONS 2023-24

The Christmas festivities at the college level, known as 'Kris Kringle,' took place on December 22, 2023, at the College Auditorium. A variety of events were organized in conjunction with the Christmas celebrations, including activities such as star making, crib making, greeting card crafting, carol competitions, Angel competitions, and more. The Department of Chemistry achieved success by securing the 3rd prize in both the Star making and Greeting Card competitions.

At the department level, the Christmas celebrations were held on December 21, 2022. Dr. Anu Augustine, the Head of the Department, delivered the Christmas message during these celebrations. The festive atmosphere was enhanced as students and teachers exchanged Christmas gifts and savored delicious Christmas cake, accompanied by the harmonious tunes of Christmas hymns.



NAVIGATING THE PATH TO SUCCESS: EXPLORING OPPORTUNITIES IN MEDICAL SCRIBING

On the 1st of February 2024, Department of chemistry in association with Matrix Academy, Thottappally, Ambalappuzha, conducted a specialized career guidance session on the field of medical scribing. This event aimed to provide students with a detailed understanding of the intricacies involved in medical documentation and opportunities within this growing industry. Matrix Academy kicked off the session with an insightful presentation, providing a comprehensive overview of the role and significance of medical scribing in the healthcare sector. Attendees gained insights into the evolution of the profession and its relevance in contemporary healthcare practices. The session delved into the latest trends and market dynamics within the field of medical scribing. Matrix Academy's experienced presenters shared up-to-date information on industry demands, job market trends, and the evolving landscape of medical documentation. The event was well-attended, and feedback from participants indicated a heightened interest and appreciation for the insights shared by Matrix Academy.



COLLEGE TOUR 2023-24

On February 20th, 2024, the Chemistry Department, in collaboration with the Physics and Mathematics departments, organized an exciting excursion to the captivating locales of Coorg, Goa, and Malpe. The primary objective of the tour was to enable students to discover the natural beauty, cultural heritage, and recreational opportunities available in these renowned destinations.



Upon reaching Coorg, students embarked on a guided tour to explore the stunning landscapes, including visits to popular attractions such as the Dubare Elephant Camp, Harangi Dam, and Bamboo Forest. Subsequently, the tour progressed to Goa, celebrated for its pristine beaches and lively culture, where students savored leisure time at renowned beaches like Baga. Finally, the tour concluded at Malpe Beach. Overall, the college excursion was a remarkable success, providing students with unforgettable and enriching experiences.

ALOYSIAN CHEMISTRY ASSOCIATION VALEDICTORY & FINISHING SCHOOL 2023-24



The Aloysian Chemistry Association Valedictory and Finishing School for the academic year 2023-24 took place on March 13, 2024. Mr. Jaimin George, the President of the Association, extended a warm welcome to the attendees. The event was honored by the presence of Dr. Savitha K U, an Assistant Professor in the Department of Chemistry at NSS Hindu College, Changanassery, who chaired the meeting, lending it significant importance. Dr. Savitha delivered an insightful talk titled "Chemistry: Greener & Smarter" focusing on environmentally friendly and intelligent approaches within the field of chemistry, as well as exploring various career paths in the discipline. Mr. Chirayil Dev Sudha then stepped forward to convey sincere appreciation to all those who played a role in the success of the valedictory function.

BON VOYAGE: FAREWELL FOR FINAL YEAR CHEMISTRY STUDENTS

The Farewell Programme for the Final Year BSc Chemistry students was held on 13 March 2024 at II B.Sc. Chemistry. The event was organized to bid adieu to our graduating students and celebrate their journey through the Department of Chemistry. The evening commenced with a warm welcome extended to all attendees, including faculty members, staff, and the graduating students themselves.

The programme proceeded with various segments designed to reflect upon the journey of the final year BSc Chemistry students. We began with a reflection session, where students and faculty members shared anecdotes, memories, and heartfelt messages, reminiscing about their time together and expressing gratitude for the experiences shared. Following the reflection session, there were various games arranged for the final year students, which provided moments of joy and laughter, further enhancing the celebratory atmosphere of the event.



ALUMNI GATHERING

On March 25th, 2024, the Department of Chemistry organized a delightful alumni gathering, strengthening the connection between former students and their cherished alma mater. The event, hosted at the Department of Chemistry, began with a warm greeting from Dr. Anu Augustine, the respected Head of the Department. The reunion was an emotionally charged event, bringing together graduates from different years who joyfully recalled their fond memories of campus life. The atmosphere was rich with shared experiences, laughter, and a profound sense of camaraderie as attendees exchanged stories from their time at the college.





STUDENT ACHIEVEMENTS



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1. Chirayil Dev Sudha: 1st Prize in Hindi day elocution competition
2. Devika K: 2nd Prize in Hindi day reading competition
3. Chirayil Dev Sudha: Prize in Logo & Tagline design contest organized by Nature & Energy club
4. Adityan S Kumar: 3rd Prize in Math Genius- The Puzzle solving competition organized by Department of Mathematics
5. Sreehari H: 3rd Prize in Math Genius- The Puzzle solving competition organized by Department of Mathematics
6. Chirayil Dev Sudha: 3rd Prize in Ramanujan Quiz competition organized by Department of Mathematics
7. Devika K: 3rd Prize in Ramanujan Quiz competition organized by Department of Mathematics
8. Chirayil Dev Sudha: 1st Prize in Science quiz competition organized by Department of Physics
9. Kashinathan P O: 1st Prize in Science quiz competition organized by Department of Physics
10. Kashinathan P O: 1st Prize in Doodle Art Contest organized by Tourism club
11. Arif Ali: Selected for NSS National Integration Camp held at Dadag, Hubbli, Karnataka.
12. Adithya A: 3rd Prize in Greeting card making competition by CSM
13. Vidyalekshmi O V: 3rd Prize in Greeting card making competition organized by CSM
14. Ananya: 3rd Malayalam Quiz Competition
15. Department of Chemistry won 3rd Prize in Star making competition organized by CSM
16. Sreehari H selected for Indian Navy SSR Agniveer
17. Arjun Binu qualified JAM 2024
18. Thomaskutty Tom qualified JRF- CSIR UGC Test December 2023



Congratulations



THOMASKUTTY TOM
Qualified JRF-CSIR UGC Test
December 2023

ARJUN BINU
Qualified JAM 2024



SREEHARI H
Selected for Indian Navy
SSR Agniveer

