

**CHRIST (Deemed to be University), Bangalore**  
**School of Sciences/Department of Chemistry**

**Activity Report**

**General Information**

Type of Activity	Events
Title of the Activity	<b>CHEMOZ-2024</b>
Date/s	<b>18-09-2024</b>
Time	<b>9.00 AM – 5.00 PM</b>
Venue	<b>Main Auditorium, PU Quadrangle, Classrooms in Block 1</b>
Collaboration/Sponsor (if any)	Contribution from alumni (Rs 15000/- each) was received 1. Shashank Shrishrimal, Senior Scientist, Totus Medicines, California, USA (BSc BCZ, 2008-2011 Batch) 2. Raj Roshan, Associate Director, Marketing Science, Zimmerman Advertising, Florida, USA (BSc BCB, 2013-16 Batch)  Thanks to Dr Yamuna Nair, Alumni coordinator for this effort.

**Speaker/Guest/Presenter Details**

Name	<b>Participants from our university and 12 external universities/colleges</b>
Title/Position	
Organization	List of colleges participated 1. St Joseph's University 2. Reva University 3. Jyoti Nivas College 4. Goodwill 5. NMKRV 6. BMS 7. KLE 8. Jain university 9. Mount Carmel 10. Bangalore university 11. Garden city 12. Oxford
Title of Presentation	

(Add/repeat above rows if there is more than 1 Speaker)

### Participants profile

Type of Participants	Students
No. of Participants	549

### Synopsis of the Activity (Description)

Highlights of the Activity	<p>The day began with the official inauguration of CHEMOZ 2024 by lighting the lamp by the Head of the Department, Dr Anitha Varghese, Faculty coordinators Dr Hepziba, Dr Ajesh, Dr Ditto, Ms Tanya, Association president. Dr Ajesh gave a welcome address and spoke about the importance of such events in promoting scientific curiosity and exploration. His words were followed by a series of exciting events that kept the participants on their toes throughout the day. These events include,</p> <ol style="list-style-type: none"><li>1. <b>Elemental Entrepreneurs</b> (Event heads: Alisha Mago, Aanya Khare, Ann Megha. It is a business pitch event where participants will showcase their business ideas. The ideas must be original and not solely based on the existing ones. Prelims: Interested participants will be asked to prepare a presentation on their ideas, from which final round participants will be selected. The ideas can be based on chemistry concepts as well but it should be practical. Example: A chemical agent that neutralizes atmospheric pollutants and turns them into harmless substances. The contestants selected for the final round will be notified a day before the event. In the final round, each team will get 5 minutes for presenting their ideas to the judges, which will then be followed by the Q&amp;A round.)</li><li>2. <b>Molecular Mayhem</b> (Event heads: Samarth N Kedilaya, Tanish PR. The event consists of prelims and a final round, each lasting 30 minutes. In the prelims, teams face one intermediate-level question displayed on a board/screen. The first teams to finish qualify for the final, with the number of qualifying teams based on participation. The final involves a five-level game, with each level progressively more challenging. Teams receive a cue card with a question for each level. After completing a level, regardless of their answer's accuracy, they receive the next cue card. Answers are evaluated afterward, and in case of a tie, the team with the better time wins. Example question: Teams must create an alloy to build a bridge using provided elements like Iron, Nickel, Zinc, Aluminium, Carbon and Chromium. The correct answer involves</li></ol>
----------------------------	---

identifying the elements needed to create stainless steel (Iron, Nickel, Chromium, Carbon).

3. **Chemical Knots 2** (Events heads: Janani & Tanvi Misra. It is a chemistry-based logic puzzle solving game involving a team of 3 members. Prelims is a pen and paper round. Untying the knot in the simplest way is the key to bag the first prize.)
4. **Chemical Charades** (Events heads: Anya & Danielle. It is a chemistry based pictographic form of charades game. For each answer 30 sec will be provided. It is a pen and paper round.)
5. **Scrabble** (Event Heads : Tarun & Yug. It is a word game where players create and connect chemistry-related terms, like elements, compounds, and reactions to earn points. Prelims is a pen and paper round.)
6. **Treasure Hunt** (Event heads: Navya T G, Alan M R. Participants are required to bring their own stationery. The event will take place in two rounds: prelims will be a pen and paper round. In the final round participants will be provided with a map and clues. They have to find each location and perform tasks assigned. Winners will be chosen based on speed and accuracy.)
7. **Molecule Muse** (Event Heads: Rachel Verghese, Vartika. Time: 60 minutes. No Prelims required. Participants have to bring their own painting materials and only pencil colours and sketches are allowed. Drawing sheets will be provided.)
8. **Alchemy** (It's a quiz based on chemistry)
9. **ChemBingo** (Event Heads: Niranjana Vaishnavi S. The event comprises two levels: prelims and final round. Participants who finish first in prelims qualify for the finals. The qualified ones have to pass through the levels in the finals, The person with the highest points wins.)
10. **Turncoat** (Event Heads: Gaurav G Sarode, Sneha Ramakrishnan. It is an individual debating event. Phones and stationery are not required/allowed. Prelims is going to be a surprise round. Final round is the TURNCOAT debate. Topics will be given on spot. The participant must be able to speak for and against the given topic.)

The Department of Chemistry organized three stalls in front of the central block, each showcasing distinct themes. The first stall

displayed various models prepared by both undergraduate and postgraduate students, highlighting their understanding of core chemistry concepts. The second stall focused on raising awareness about food adulteration, demonstrating simple yet effective methods for detecting impurities in everyday food items. The third stall was dedicated to the Soil and Water Analysis Cell, where visitors could learn about environmental testing procedures and their significance in ensuring sustainability.


The valedictory function took place at 3:30 PM in the PU Quadrangle. The overall championship trophy, along with a cash prize of Rs. 7,500, was awarded to our university in recognition of its outstanding performance. St. Joseph's University secured the second prize, receiving Rs. 5,000 as their cash reward. Participation certificates were distributed to all students, acknowledging their contributions and efforts throughout the event.

The prize distribution ceremony was presided over by the Head of the Department (HOD), who personally handed out the awards to the winners. The event concluded with a heartfelt vote of thanks delivered by Ms. Tanya, the President, expressing gratitude to all participants, organizers, and supporters for making the event a success.

#### **Food adulteration awareness stall**

Food adulteration awareness stall was set up by the UG students from the Department of Chemistry, Bangalore Central Campus, as part of the Chemoz (Science Fest) which was held on 18th of September, 2024. Seven students from 2nd year BtC, were part of this stall, performing various experiments which were aimed at creating awareness regarding common food adulterants and their harmful effects. Students, faculties and other enthusiasts from across the campus as well as from other colleges visited the stall and gave valuable responses regarding the same. The demonstrations performed included certain experiments which can be used for the identification of the harmful adulterants present in our common food items like milk, pepper, jaggery, salt, sweet curd, sugar etc. One of the major attractions of the awareness stall was the estimation of peroxide value (PV) from the rancid edible oil using a colorimeter. The stall was successful in conveying its aim to the people in and around and received a very positive

	<p>response regarding the setting up of the stall, relevance of the idea as well as the informative nature of the theme.</p> <p><b>SWAC (Soil and Water Analysis Cell)</b>  A pop-up stall was set up to raise awareness about water quality and water footprint. The team analyzed pH, TDS, and hardness for over 70 water samples on the spot, educating students about the quality of their water and potential improvement measures. Innovative games like the whisper challenge, a quiz, "know your water footprint," and a "post-it" activity were organized to engage participants and spread awareness about water-related issues. The stall received over 130 registrations for these activities. The initiative successfully educated students on the importance of water quality testing and made them more informed about their water quality. It also raised awareness about water footprints, emphasizing their significance and ways to reduce them. Overall, the stall aimed to familiarize students with the workings of the SWAC (Soil and Water Analysis Cell), highlight current water-related issues, and promote practical measures for mitigation.</p>
Key Takeaways	<ol style="list-style-type: none"> <li>1. Inauguration and Event Highlights</li> <li>2. Interactive Stalls and Awareness Activities</li> <li>3. Valedictory Function and Awards</li> </ol>
Summary of the Activity	<p>CHEMOZ 2024 began with a formal inauguration led by the Head of the Chemistry Department, Dr. Anitha Varghese, and faculty coordinators. Dr. Ajesh welcomed participants, emphasizing the event's role in fostering scientific curiosity. The day featured various competitions, including business pitch events, logic puzzles, debates, chemistry-based games, and creative activities. Three stalls were also set up to showcase student models, raise awareness about food adulteration, and demonstrate soil and water analysis techniques. The event concluded with a valedictory function, where the university received the championship trophy and a cash prize of Rs. 7,500. St. Joseph's University won second place with Rs. 5,000. Participation certificates were distributed, and the Head of the Department presided over the prize distribution, followed by a vote of thanks from the Association President.</p>
Follow-up plan	<p>Based on feedback, begin planning for next year's CHEMOZ or similar events, with a focus on improving logistics, participant engagement, and event diversity. Introduce new themes or activities that align with emerging trends in chemistry and scientific innovation. Encourage students to continue developing the projects they showcased, potentially guiding them toward research opportunities, internships, or collaborations.</p>

Name of the Organiser	<b>Chemistry Association</b> <b>Faculty coordinators</b> Dr Hepziba SJ Dr Ajesh Vijayan Dr Ditto Abraham	<b>Student Coordinators</b> Tanya Rana, 2 MSc Chemistry, President Navya TG, 3PCM, Vice president
Designation/Title	Faculty, Department of Chemistry	
Signature		



*Annexure:*

***1. Photos of the activity***











# The Oxford College of Science (22)

	Name	College Name	US/PG
1	Vijay Kumar - K	The Oxford College of Science	PG
2	Venugopal C.G	The Oxford College of Science	PG
3	Pradeep Kumar	-	-
4	Adarsh Kumar	-	-
5	Adarsh Kumar	-	-
6	Adarsh Kumar	-	-
7	Adarsh Kumar	-	-
8	Adarsh Kumar	-	-
9	Adarsh Kumar	-	-
10	Adarsh Kumar	-	-
11	Adarsh Kumar	-	-
12	Adarsh Kumar	-	-
13	Adarsh Kumar	-	-
14	Adarsh Kumar	-	-
15	Adarsh Kumar	-	-
16	Adarsh Kumar	-	-
17	Adarsh Kumar	-	-
18	Adarsh Kumar	-	-
19	Adarsh Kumar	-	-
20	Adarsh Kumar	-	-
21	Adarsh Kumar	-	-
22	Adarsh Kumar	-	-

# NMKRV College for Women (12)

	Name	College Name	US/PG
1	Sai Manoj S	NMKRV College for Women	PG
2	Barshini G Naik	NMKRV College for Women	PG
3	Ravina Bhat	NMKRV College for Women	PG
4	Yusra	NMKRV College for Women	PG
5	Varsha Pantkar	NMKRV College for Women	PG
6	Tanvi P.S	NMKRV College for Women	PG
7	Joseph Bhat	NMKRV College for Women	PG
8	Rida Anam	NMKRV College for Women	PG
9	Maitreyi Aravind	NMKRV College for Women	PG
10	Chaitra S	NMKRV College for Women	PG
11	Aishwarya N	NMKRV College for Women	PG
12	Chinmayee G	NMKRV College for Women	PG



















### ***3. Poster of the Activity***







*Amala Vengal*

Head  
Department of Chemistry  
CHRIST (Deemed to be University)  
Bengaluru - 560 029