

Message from the Head of the Department



Prof. Dr. Lubna Amer
(College Coordinator & HoD)

At our esteemed institute, we excel in Chemistry through top-tier education and community engagement. Continuously ranked among the nation's best, we're privileged to have an exceptional team dedicated to crafting an unparalleled learning environment. Our goal is to equip students with the best preparation for life's challenges. Through our visionary Intellectual Chemistry Club (ICC), we foster both knowledge and passion, cultivating understanding and curiosity vital for community impact. We're unwavering in our pursuit of excellence, ensuring every student emerges as a skilled chemist and principled citizen ready to make positive contributions.

Alone we can do so little; together we can do so much

~Helen Keller



Faculty & Staff of the Chemistry Department with Vice Rector Prof. Dr. Ivan Suneel



No great achievement is possible without persistent work

~Bertrand Russel

We are delighted to highlight the outstanding achievements of our esteemed faculty and staff members within our department. Their dedication, expertise, and commitment have significantly contributed to our collective success, and we take great pride in recognizing their accomplishments.

- **Mr. Naveed Rehmat** received a certificate of appreciation after his student secured 2nd position in the poster competition at Scinnovation 2.0. Additionally, he edited his F.Sc. Chemistry Key Books and Practical Notebook for the new session, which have been published by Leads Publishers and are already available in the market.
- **Prof. Dr. Noman Javed** published a research article entitled “Supramolecular networks featuring a diverse array of noncovalent interactions in crystals of hydrazinylidene-benzothiazinediones” in the Journal of Molecular Structure.
- **Dr. M. Sohail Sarwar** has made notable advancements in his professional and academic endeavors. He published a research article titled “Controlled Drug Release Contenders Comprising Starch/Poly (allylamine hydrochloride) Biodegradable Composite Films” in the journal Macromolecules. In addition, he completed eight professional courses from Coursera, USA, covering topics such as polymers, research methodologies, additive manufacturing, additive



Comfort is the enemy of achievement. Farrah Gray

manufacturing processes, organic solar cells, primary and secondary batteries, everyday Excel, and English proficiency.

- **Ms. Saherah John Jalal** published an article entitled “The Interaction between Formylphenoxyacetic Acid Derivatives (Chalcone and Flavones) and Ionic Surfactants: Insights into Binding Constants, Solubilisation, and Physiochemical Properties” in Colloids and Surfaces B: Biointerfaces.



- **Ms. Saba Williams** got the 2nd position in the Women's FCCU Faculty and Staff Badminton Championship, 2024.

- **Ms. Syeda Khair-ul-Bariyah** has recently achieved significant milestones in her academic and professional journey. She cleared her Ph.D. pre-defense and submitted her thesis to the School of Chemistry at the University of the Punjab, Lahore. Demonstrating her research prowess, she published two notable articles: one in the Journal of Molecular Structure titled



“Novel benzothiazole sulfonamides as potent α -glucosidase and cholinesterase inhibitors: Design, synthesis, structural properties, biological evaluation and docking studies,” and another in the Scientia Magazine titled “Impacts of Cosmetic Ingredients on the Environment and Our Health.” Additionally, she authored a stage



play book called “Peregrination of the Soul,” inspired by the core values of FCCU and Character Building Classes. She also appeared as an author at the Pre-Conference Book Launch of



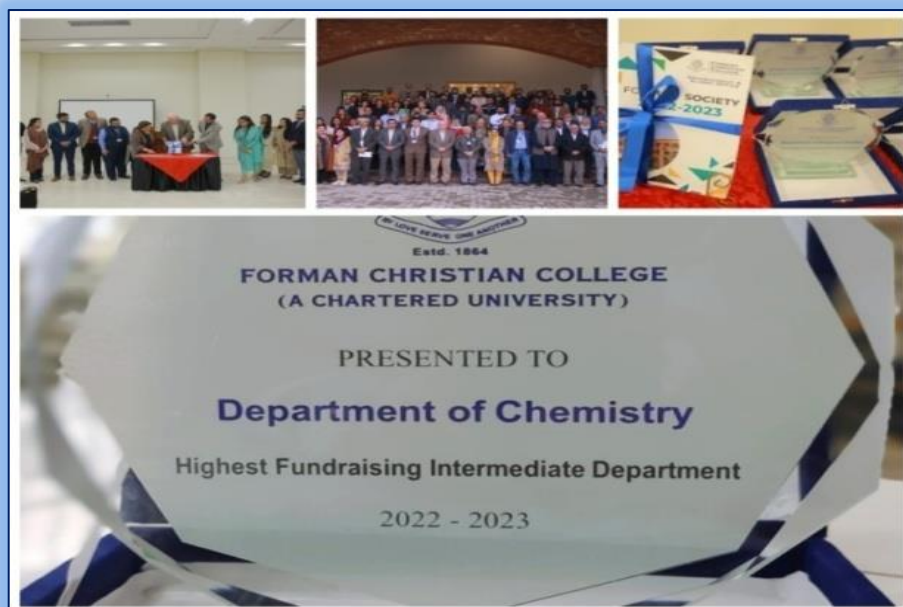
Comfort is the enemy of achievement. **Farrah Gray**

“Peripheral Epistemologies: Voicing the Unvoiced” during an international conference organized by UMT on April 17, 2024. Furthermore, she received a certificate of recognition for advising a team that secured 3rd position in the Science Model “Burning Garbage to Produce Electricity” during Scinnovation 2024.

- **Mr. Haroon Iftikhar** published a research article titled “Benzodiazepine derivatives for the treatment of neuropharmacological disorders and pain management: Docking investigations and in-vivo studies” in the Journal of Molecular Structure. He also completed his Ph.D. coursework at GC University, Lahore, in 2023 and successfully passed his Ph.D. synopsis defense.
- **Ms. Sidra Altaf** received a certificate as an organizer during the event Scinnovation, 2024.
- The Award of Highest Fundraising department, Intermediate 2022-2023, was given to the **Chemistry Department**.

Together we soared, a team so bright,

In our department, dreams took flight.



Award Ceremony of the Fundraising Event for the Year 2022-2023



Comfort is the enemy of achievement. Farrah Gray

**New Additions in Chemistry
Department**

I am grateful for the opportunity to start a new chapter in my career

A warm welcome to our new members, Ms. Sidra Altaf and Ms. Monica Lamuel, who join us with enthusiasm and expertise. Their presence enriches our department, and we're excited for the contributions they will bring to our community. We're thrilled to have them on board!



Ms. Sidra Altaf, holding MPhil degree in Chemistry, brings considerable teaching experience to her role as a Chemistry Department lecturer, having spent over five years at Lahore Garrison Education System's Army Public College. She has served as a practical examiner and paper marker for FBISE, and held a significant position at the Puniab Curriculum Textbook Board. Eagerly, she joined FC College as a chemistry lecturer on August 2, 2023.

Dream job found, my heart takes flight,

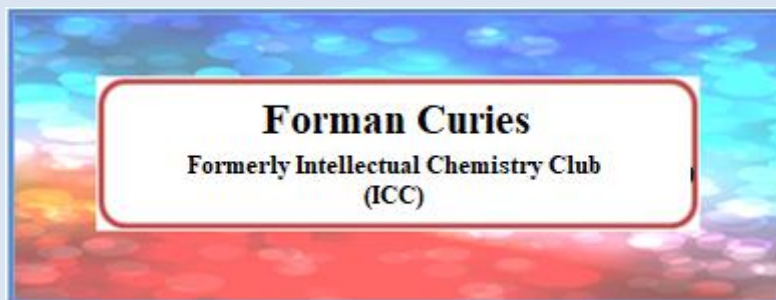
Future bright with endless light.



Ms. Monica Lamuel commenced her tenure at the Chemistry Department of FCCU, Lahore, on August 25, 2023. Prior to this, she held the position of the initial laboratory assistant in Psychology Department. She expresses satisfaction in her current role at Forman Christian College and aspires to contribute her utmost to the institution.



It takes courage to grow up and become who you really are. E. E. Cummings



The important thing in science is not so much to obtain new facts as to discover new ways of thinking about them.

~ Sir William Bragg



Forman Curies Team with Prof. Dr. Lubna Amer (HoD)

In 2014, the initiative for the Intellectual Chemistry Club was taken by Prof. Dr. Lubna Amer. Currently, it is advised by Prof. Dr. Rubab Zohra, with co-advisors Dr. Rizwana Shami, Ms. Saherah John Jalal, and Mr. Naveed Rehmat. Now known as **Forman Curies**, the club has always been active and enthusiastic about encouraging students to learn not only the subject matter but also interaction, communication, and



What if we encouraged innovation and experimentation? John Spencer

socialization skills, which help groom their personalities. Forman Curies is eager to prepare Formanites for their future lives by exploring new dimensions of knowledge and life. Hence, it has organized various events to help students better understand societal objectives.

Welcome to First year September, 2023

The very first occasion was to welcome the 1st year students at the beginning of the session. The office bearers of Forman Curies warmly welcomed the new students by distributing cards and inviting them to write their comments on the Chemistry Tree. The new cohort wrote various interesting comments and pasted them on the Chemistry Tree.



Welcome to First Year Students 2023

Teacher's Day Celebration, 2023

Forman Curies warmly celebrated World Teachers' Day to salute the great assets of the nation, who are not kings but kingmakers. They are the ones who shape all professionals. **Forman Curies** distributed thank-you cards to teachers, along with beautiful flowers, to acknowledge their invaluable services to the nation.



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Teacher's Day Celebration 2023

Forman Curies Grand Test, 2023



Before the Send-up exams, ICC successfully conducted the Grand Test of Chemistry, with more than 200 students participating. The test focused on the concept of how to attempt short questions in the BISE examination. It was designed by the teachers to help students evaluate their subject knowledge and prepare for the upcoming Send-up exams. Participants received participation

certificates, and winners were awarded cash prizes. Prof. Dr. Lubna Amer, the college coordinator and HOD Chemistry, distributed the prizes among the students.



Atoms clash in questions' guise,
Knowledge sparkles, minds arise,
Chemistry's truth, our prize.



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In the lab where elements dance,
Atoms bond, electrons prance.
Hydrogen's spark, oxygen's grace,
Together form a life-embrace.

Carbon weaves a complex web,
Organic life from simple thread.
Iron's strength, gold's bright gleam,
Chemistry, the alchemist's dream.

Reactions burst in colorful light,
Molecules change in day and night.

In this world of bonds and spins,
Chemistry's magic never ends.



Grand Quiz Competition 2023

**Let the atoms of ambition collide, and the elements of
expertise align,**

**As we embark on a quest for excellence, in the
Chemistry Quiz divine.**

With beakers raised, my efforts crowned,
A prize for knowledge truly found.
Through elements and bonds I soared,
In chemistry, my victory roared.



ICC Quiz Competition Certificate Distribution



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Scinovation 2.0

Chemistry is a unique lens through which we can view the world and understand its complexities.

~Roald Hoffmann

To nurture students' scientific aptitude, the Intellectual Chemistry Club organized a scientific model-making competition on 31st January, 2024. The top two models were chosen to be showcased at Scinovation 2.0 from the Department of Chemistry. The jury commended the participants for their innovative concepts and adept presentation abilities, highlighting the event's emphasis on fostering scientific creativity and communication skills.

Poster Competition, 2024

Forman Curies held an in-house poster competition to enhance students' learning about advancements in chemistry. The topic given to students was "Chemistry: Innovation for Humanity". Surprisingly, students showcased their talent by describing innovations serving humanity. The winner of the in-house competition was fortunate enough to win the 2nd prize in Scinovation 2024 for their innovative poster.

**In labs where elements combine,
Chemistry posters bold and fine,
Colors swirl, equations gleam,
Each one sparks a scientist's dream.
Atoms dance, molecules form,
Charts and graphs, knowledge's norm,
Reactions flare, insights shine,
Every poster tells a story's line.**



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Poster Presentation Scinnovation 2.0

Model Making Competition, 2024



Last but not least, **Forman Curies** held an in-house model-making competition. Many students prepared excellent working models, showcasing their high potentials and interest in the subject. The winner of the in-house model competition went on to win the 3rd prize in SciNovation 2024.

Chemistry model making brings abstract concepts to life.



What if we encouraged innovation and experimentation? **John Spencer**



Model Presentations Scinnovation 2.0

With careful hands, we start to

build,

A model where our dreams are

filled.

Polystyrene spheres align,

In intricate and precise design.

Bond by bond, connections grow,

Molecules in splendid show.

Hydrogen and oxygen play,

In H₂O's simple ballet.

From theory's depths to hands-on

art,

In chemistry, we find our heart.



Glimpses from Scinnovation 2.0



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Ms. Sidra Altaf received a certificate for playing a part in the organization of Scinovation 2.0.



A certificate in hand, pride aglow,
For the science fair, our efforts show.
Achievement shines, our spirits
grow.

Mr. Naveed Rehmat received a certificate for securing the second position as an advisor in the Scinovation 2.0 poster competition.



What if we encouraged innovation and experimentation? **John Spencer**



Gratitude is a celebration we are all invited to

~Cleo Wade

Kartarpur and Gardaspur Visit, 2023

The Department of Chemistry visited the Kartarpur and Gurdaspur border on 16th August 2023. The history of Kartarpur traces back to the late 15th century when Guru Nanak Dev Ji, the founder of Sikhism, settled in the region. Kartarpur, meaning "City of God," became a significant spiritual center for Sikhs.



**On a trip with colleagues dear,
Memories made, laughter clear.**

In a happy mood, we spend a quality time with sweet memories.

Gurdaspur is a district located in the state of Punjab, India. It shares a border with Pakistan and is part of the Indian side of the international boundary. The district holds historical and strategic significance, given its proximity to the India-Pakistan border.



Gurdaspur, Punjab's district, borders Pakistan's

west,

Strategically vital, guarded by India's best.

A witness to history, partition's divide,

Culturally rich, Punjabi traditions abide.

Fertile lands yield wheat, rice, and cane,

Despite tensions, life continues its reign.

Tourism thrives with temples and historic sites,

Gurdaspur's essence in Punjab's delights.

In a happy mood, we spend a quality time with sweet memories.

Christmas Celebration, 2023

Peace on Earth will come to stay, when we live Christmas every day

~Helen Steiner Rice



**Christmas joy fills the air,
Love and light beyond compare.**

In a happy mood, we spend a quality time with sweet memories.

Ph.D. Completion Lunch Dr. Rizwana Shami

Dr. Rizwana Shami successfully completed her Ph.D. It was a momentous occasion filled with joy, accomplishment, and camaraderie. All the colleagues came together to honour the hard work and dedication that went into achieving this significant milestone.



**PhD journey now complete,
Knowledge conquered, goals we meet.**

In a happy mood, we spend a quality time with sweet memories.

Mango Party

Amidst the vibrant hues of summer, our department celebrated a Mango Party, where the sweet aroma of ripe mangoes filled the air, and laughter resonated under the shade of swaying trees. It was a delightful fusion of tropical flavors and camaraderie, creating cherished memories of sunny days and shared joy.



**Gather 'round for the mango feast,
Golden fruit, nature's sweet release.
Juicy bites, laughter in the air,
Mango party, joy we share.**

In a happy mood, we spend a quality time with sweet memories.

Welcome Prof. Dr. Lubna Amer

On 15th May, 2024, the Chemistry Department came together to welcome their head of the department Prof. Dr. Lubna Amer back from her annual leave with a special lunch. This gathering was more than just a meal; it was a celebration of unity, appreciation, and the strong sense of community within the department. The event provided an opportunity for faculty and staff to reconnect, share updates, and express their gratitude for the leadership and guidance that the head of the department consistently offers. Such occasions are vital for fostering camaraderie and reinforcing the collaborative spirit that drives academic and research excellence within the department. The welcoming lunch underscored the importance of personal connections and mutual support in creating a positive and productive work environment.

In halls of learning, bright and vast,
A guiding light, so firm, steadfast.
With wisdom deep and vision clear,
Our leader's voice, we always hear.

Inspiring all to reach and grow,
Her kindness sets a steady flow.
Through challenges, she leads the way,
Transforming work to bright, new day.

A beacon in the stormy sea,
Her strength ensures we all stay free.
With heart and mind, she steers us true,
Our thanks to her are ever due.



In a happy mood, we spend a quality time with sweet memories.

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Where innovation meets collaboration: A glimpse into the heart of our department.



Editorial Board Newsletter



Prof. Dr. Lubna Amer
(College
Coordinator&HoD)



Mr. Naveed Rehmat
Sub-Editor



Ms. Syeda Khair-ul-
Bariyah
Sub-Editor



Mr. Haroon Iftikhar
Sub-Editor