

**National Seminar
On
“New Vistas in Chemical and Applied Sciences”
(NVCAS, 2024)**

Organized by
Department of Chemistry
Date: 29th April, 2024
Venue: Central Auditorium, Integral University



REPORT

The Department of Chemistry at Integral University hosted a National Seminar on “*New Vistas in Chemical and Applied Sciences*” on April 29, 2024. The seminar aimed to address key challenges and opportunities within the fields of chemical sciences and related disciplines.

The inaugural session took place in the Central Auditorium, where **Hon’ble Pro-Chancellor Dr. Syed Nadeem Akhtar**, **Hon’ble Vice-Chancellor Professor Javed Musarrat**, and **Registrar Professor Haris Siddiqui** honoured the event and commended the department's efforts in organizing a seminar on such a relevant topic.

The Organizing Chairman and Head of the Department of Chemistry, **Professor Abdul Rahman Khan**, welcomed the guests and emphasized that the seminar targets researchers engaged in pioneering work in sustainable chemistry, material science, biochemistry, and nanotechnology. The Pro-Chancellor, **Dr. Syed Nadeem Akhtar** noted that the seminar serves as an ideal platform for the exchange of knowledge and understanding of advances in chemical and applied sciences. He remarked that, "By bringing together experts from various disciplines, we can accelerate the development of new technologies and methodologies that will benefit society as a whole."

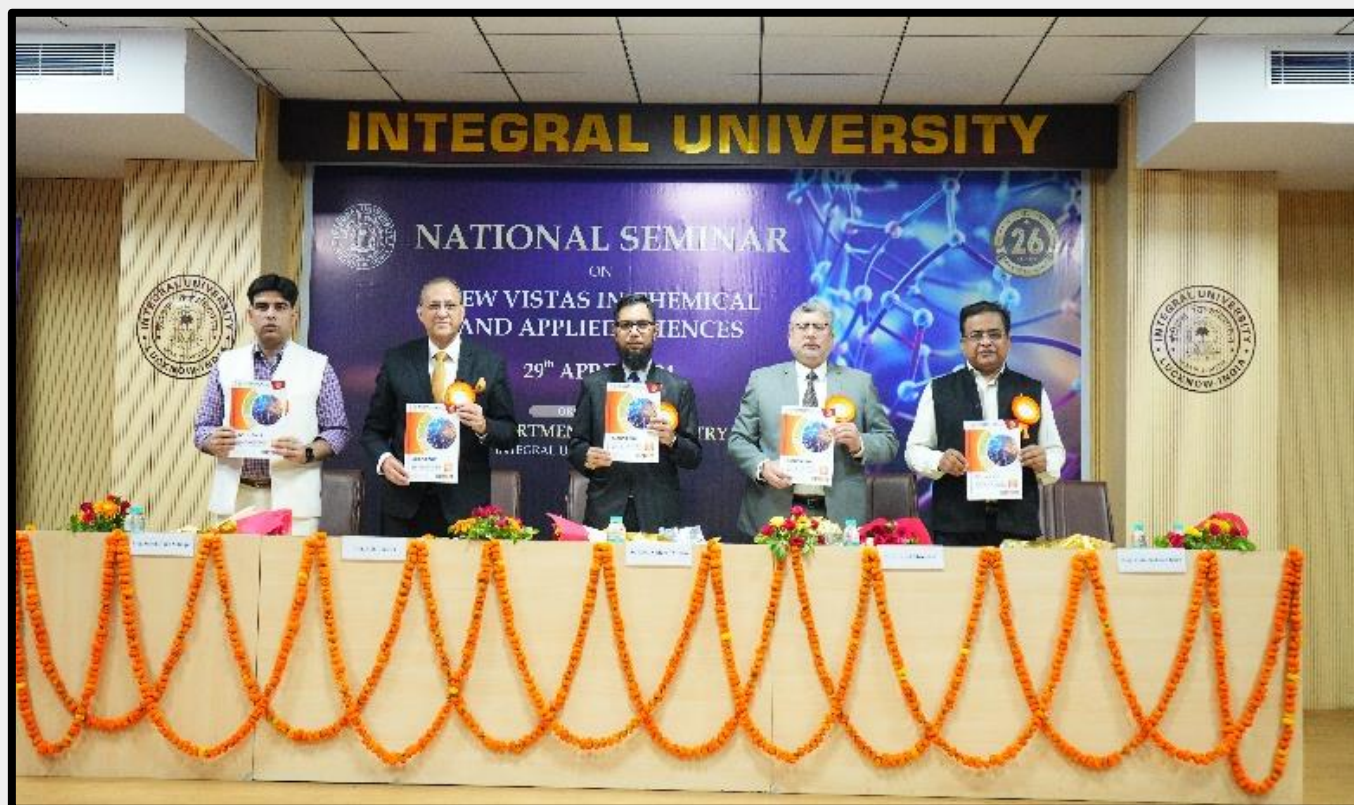




advancing scientific knowledge.

The Chief Guest, **Professor Alok Dhawan**, Director of the Centre of BioMedical Research at SGPGI Campus, Lucknow, discussed how the discussions at the seminar could open new avenues for interdisciplinary research, leading to practical outcomes. The dignitaries released the seminar souvenir and presented mementos.

The event was hosted by **Dr. Saimah Khan**, Associate Professor, Department of Chemistry and concluded with a vote of thanks delivered by the organizing secretary, **Dr. Jamal Akhtar**, Assistant Professor in the Department of Chemistry, followed by the national anthem and high tea.





Keynote lectures

The keynote speakers for the event were **Professor Anil Kumar Saxena**, Former Head, Medicinal and Process Chemistry Division, CSIR-CDRI, Lucknow and **Dr. Syed Masood Husain**, Associate Professor, Centre of Bio Medical Research, SGPGI Campus, Lucknow. Prof. A.K. Saxena in his presentation titled *“Chemistry in Health and Environment: An Overview”* discussed the role of chemistry and the advancements and implications of chemical science in health and environment. He elaborated the role of chemistry as biomedical science in the diagnosis, prevention, treatment and cure of different diseases. He discussed the utility of sophisticated and modern diagnostic techniques like PET in disease detection.

The title of the presentation of the second keynote speaker **Dr. Masood Husain** was *“Enzymes for Chemical Synthesis”*. He gave his research overview including chemoenzymatic and biomimetic synthesis. He also



discussed the Biocatalytic Method for the Synthesis of Chiral Benzazepines using Imine Reductases and the pharmaceutical importance of benzazepines. After the lectures, students interacted with the learned speakers.

Oral Presentation Session

The oral presentation session was held in Hall-1 of the central auditorium building. A total of twenty abstracts were received for oral presentation out of which 13 were selected. The session was chaired by Professor, **Syed Misbahul Hasan**, Dean, Faculty of Pharmacy, **Professor Snober Mir**, Head, Department of Biosciences and **Professor Juber Akhtar**, Head, Department of Pharmacy, Integral University. **Professor Kuldeep Singh** from Department of Pharmacy, **Professor Iffat Zareen** and **Professor Alvina Farooqui** from the Department of Bioengineering were invited as the esteemed judges. An array of topics including plant-mediated synthesis of gold nanoparticles, advancements in nanotechnology-based drug delivery systems, biomedical applications of bismuth nanoparticles, isolation and characterization of compounds from Psidium guajava leaf extract and iodine (III) catalyzed heterofunctionalized pyrazolines, pyrazoles and isoxazoles were discussed and presented by the participants. Each participant was allotted eight minutes to present their work, followed by 2 minutes of discussion. Overall a plethora of interesting and innovative themes were discussed through informative and attractive presentations.

Poster Presentation Session

A total of 50 abstracts were received for poster presentation. The session was held in the basement of the library building. **Professor Salman Akhtar** from the Department of Bioengineering, **Dr. Andleeb Khan** from the Department of Biosciences and **Dr. Arun Kumar** from the Department of Pharmacy were invited to judge the competition. The participants displayed eye-catching and edifying posters on diverse topics ranging from coordination chemistry, synthetic organic chemistry, environmental chemistry and nano-chemistry.



Valedictory session

The valedictory session of the seminar was held in Hall-1 of the central auditorium building. **Professor Syed Aqeel Ahmad**, Director, HRDC and **Professor Wahajul Haq**, Dean, Research & Development were invited as the chief guests. The session began by welcoming the guests by **Dr. Saimah Khan**, Associate Professor, Department of Chemistry. Later on, **Dr. Jamal Akhtar**, Organizing secretary presented the seminar report. He shared that **106 registrations** were received for the event, which includes **14** Faculty members and **44** Research Scholars from different departments of Integral University, Lucknow and **06** Faculty members and **42** Research Scholars /students from other institutions like Aligarh Muslim University, Jamia Milia Islamia, CSIR-CIMAP, King George's Medical University, University of Lucknow, Babasaheb Bhimrao Ambedkar University, Lucknow, Centre of Bio Medical Research, Lucknow, Era's University and Hospital, Lucknow, Isabella Thoburn College, Lucknow, Ambeshwar Institute of Pharmaceutical Science, Aliah University, Kolkata, ICAR-Central Institute of Sub-tropical Horticulture and the host institution. After the report reading, the winners of oral and poster presentation were facilitated, which are as follows:

Oral Presentation Awards

Ist Position- **Mr. Bal Krishna Mishra** from Centre of BioMedical Research, SGPGI campus, Lucknow

IInd Position- **Ms. Noureen Ansari** from Integral University, Lucknow

IIIrd Position- **Ms. Sakshi Gupta** from Isabella Thoburn College, Lucknow



Poster Presentation Awards

Ist Position- **Ms. Anushka Pandey** from CSIR-Indian Institute of Toxicology Research, Lucknow

IInd Position- **Ms. Shristi Dwivedi** from BBAU, Lucknow

IInd Position- **Ms. Uzma Afreen** from University of Lucknow

IIIrd Position- **Mr. Waseem Ahmad** Ansari from University and Hospital, Lucknow

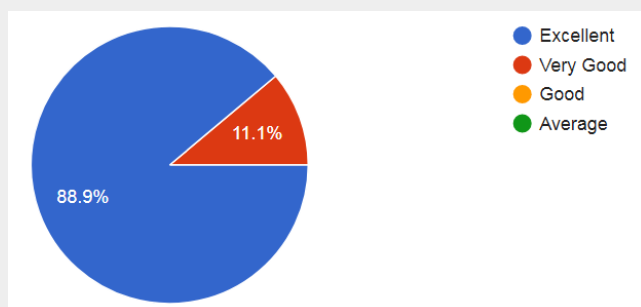
IIIrd Position- **Ms. Kulsum Hashmi** from Isabella Thoburn College, Lucknow.



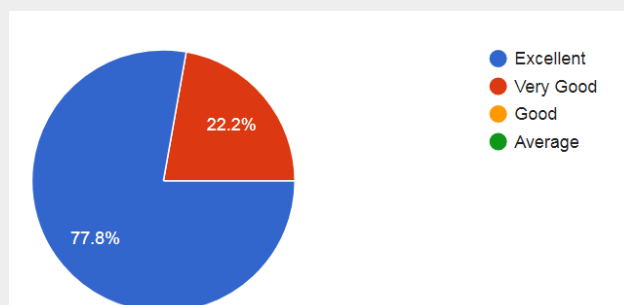
The winners were awarded certificate of merit. After prize distribution the guests were presented mementos. The organizing secretary and the organizing committee members were also appreciated for their relentless efforts and received memento of appreciation. After this **Dr. Shahla Tanveer**, Assistant Professor, Department of Chemistry, Integral University proposed the vote of thanks. The session ended with national anthem.

Feedback Analysis

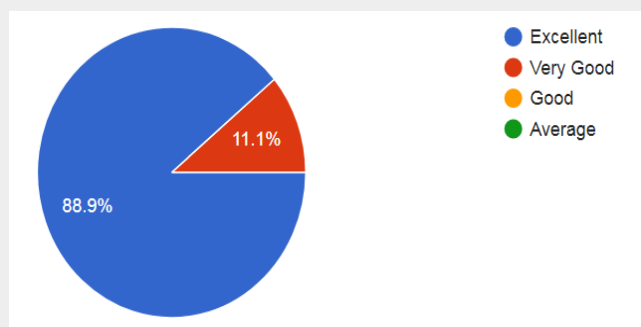
Q1. How would you rate your overall experience at the seminar?



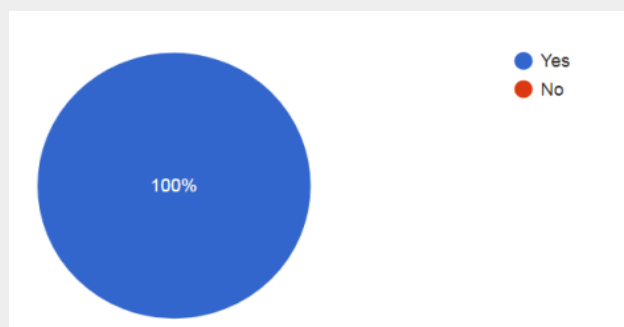
Q2. How would you rate the organization and logistics of the seminar?



Q3. How would you rate the keynote presentations?



Q4. The oral and poster sessions were informative and up to date?



Q5. Any other comment or suggestions?

1. Good activity
2. Great Experience
3. Overall experience was too good
3. Such seminar must be organized.
5. Excellent and very informative lectures and presentations.

Sample Certificate

	INTEGRAL UNIVERSITY LUCKNOW - INDIA	A⁺ ACCREDITED BY NAAC
CERTIFICATE OF PARTICIPATION		
This is to certify that Prof./Dr./Ms./Mr. _____ from _____ has participated in a National Seminar on NEW VISTAS IN CHEMICAL AND APPLIED SCIENCES (NVCAS) Organized by DEPARTMENT OF CHEMISTRY, INTEGRAL UNIVERSITY, LUCKNOW on 29th April 2024.		
Dr. Jamal Akhtar Organizing Secretary Department of Chemistry Integral University	Professor Abdul Rahman Khan Organizing Chairman Dean, Faculty of Science Integral University	Professor Wahajul Haq Co-Patron Dean R&D Integral University
Professor Syed Aqeel Ahmad Director, HRDC Integral University		
Certificate Number : IU/CHEM/NVCAS/2024/_____		

	INTEGRAL UNIVERSITY LUCKNOW - INDIA	A⁺ ACCREDITED BY NAAC
CERTIFICATE OF APPRECIATION		
This is to certify that Prof./Dr./Ms./Mr. _____ has contributed as organizing committee member in a National Seminar on NEW VISTAS IN CHEMICAL AND APPLIED SCIENCES (NVCAS) Organized by DEPARTMENT OF CHEMISTRY, INTEGRAL UNIVERSITY, LUCKNOW on 29th April 2024.		
Dr. Jamal Akhtar Organizing Secretary Department of Chemistry Integral University	Professor Abdul Rahman Khan Organizing Chairman Dean, Faculty of Science Integral University	Professor Wahajul Haq Co-Patron Dean R&D Integral University
Professor Syed Aqeel Ahmad Director, HRDC Integral University		
Certificate Number : IU/CHEM/NVCAS/2024/_____		


INTEGRAL UNIVERSITY
 LUCKNOW - INDIA
 

CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Ms./Mr. _____

from _____ has given oral/poster presentation

titled _____

in a National Seminar on
NEW VISTAS IN CHEMICAL AND APPLIED SCIENCES (NVCAS)
 Organized by
DEPARTMENT OF CHEMISTRY, INTEGRAL UNIVERSITY, LUCKNOW
 on
29th April 2024.

Dr. Jamal Akhtar
Organizing Secretary
Department of Chemistry
Integral University

Professor Abdul Rahman Khan
Organizing Chairman
Dean, Faculty of Science
Integral University

Professor Wahajul Haq
Co-Patron
Dean R&D
Integral University

Professor Syed Aqeel Ahmad
Director,
HRDC
Integral University

Certificate Number : IU/CHEM/NVCAS/2024/ _____


INTEGRAL UNIVERSITY
 LUCKNOW - INDIA
 

CERTIFICATE OF MERIT

This is to certify that Dr./Ms./Mr. _____

has secured First/Second/Third position for oral presentation _____

in a National Seminar on
NEW VISTAS IN CHEMICAL AND APPLIED SCIENCES (NVCAS)
 Organized by
DEPARTMENT OF CHEMISTRY, INTEGRAL UNIVERSITY, LUCKNOW
 on
29th April 2024.

Dr. Jamal Akhtar
Organizing Secretary
Department of Chemistry
Integral University

Professor Abdul Rahman Khan
Organizing Chairman
Dean, Faculty of Science
Integral University

Professor Wahajul Haq
Co-Patron
Dean R&D
Integral University

Professor Syed Aqeel Ahmad
Director,
HRDC
Integral University

Certificate Number : IU/CHEM/NVCAS/2024/ _____


INTEGRAL UNIVERSITY
 LUCKNOW - INDIA
 

CERTIFICATE OF MERIT

This is to certify that Dr./Ms./Mr. _____

has secured First/Second/Third position for poster presentation _____

in a National Seminar on
NEW VISTAS IN CHEMICAL AND APPLIED SCIENCES (NVCAS)
 Organized by
DEPARTMENT OF CHEMISTRY, INTEGRAL UNIVERSITY, LUCKNOW
 on
29th April 2024.

Dr. Jamal Akhtar
Organizing Secretary
Department of Chemistry
Integral University

Professor Abdul Rahman Khan
Organizing Chairman
Dean, Faculty of Science
Integral University

Professor Wahajul Haq
Co-Patron
Dean R&D
Integral University

Professor Syed Aqeel Ahmad
Director,
HRDC
Integral University

Certificate Number : IU/CHEM/NVCAS/2024/ _____

List of Abstracts

Oral Presentations

S.No.	Presenting Author	Title of the abstract
OP-1	Shraddha Srivastava	Isolation and characterization of compounds from Psidium guajava leaves and vasorelaxant activity in rat aorta cells
OP-2	Ekhlakh Veg	Recent advances in nanotechnology-based drug delivery systems
OP-3	Dr. Saimah Khan	Examining the field performance of a constructed wetland clubbed with a tubesettler to treat hospital wastewater
OP-4	Sakshi Gupta	Thiosemicarbazone Ligands and Their Metal Complexes: Synthesis, Characterization, and Applications
OP-5	Dr.Iqbal Azad	Synthesis of pyrazoline derivatives as antitumor agents
OP-6	Dr. Naseem Ahmad	Imidazole based Metal organic Framework for the removal of trace contaminants from wastewater
OP-7	Deepanjali Shukla	Design, synthesis and in-silico studies of N-substituted phenothiazine derivatives
OP-8	Basree	Synthesis of Cu (II) based Coordination Polymer and its composite with rGO for energy storage applications
OP-9	Suneel	Emerging trends of Plant-mediated fabrication of Gold nanoparticles, in the application of harnessing light for environmental remediation and biomedicine
OP-10	Sabahat Yasmeen Sheikh	N-Substituted heterocycles as N-myristoyl transferase inhibitors against Leishmania donovani: a computational approach
OP-11	Mohd Imran Ahmed	ZnO nanostructured nanocomposite actuator in a poly (vinyl alcohol)-sulphonated graphene oxide-Pt coated membrane
OP-12	Dr. Mohammad Luqman	Platinum-Coated Sulfonated Poly(Ether Ether Ketone) Polymeric Membrane for Bending Actuator Application
OP-13	Anjul	Rh(II)-Catalyzed Direct N-H/N-Me Aziridination of Unactivated Olefins Using O-(Sulfonyl)hydroxylamines
OP-14	Hina Kabeer	Exploring Novel N, O-Donor Enamine Ligands: Synthesis and In-Depth In Vitro Pharmacological Profiling of Cu(II)/Zn(II) Complexes
OP-15	Noureen Ansari	Recent Advances in Green Synthesis of Zinc Oxide Nanoparticles for enhanced Photocatalytic Applications
OP-16	Taposi Chatterjee	Elucidating the crystal structure of Zn(II) based coordination polymer formed via s-s bond: theoretical prediction through DFT calculations and Hirshfeld surface analyses
OP-17	SK Khalid Rahaman	Structural Insights into In Situ Disulfide Bond Formation for Enhancing Schottky Diode Behavior of a Paddle-Wheel Zn-Based Coordination Polymer
OP-18	Dr. Nasima Yasmin	Intramolecular Ullmann Reaction: a Classical Approach to Phenanthridinones
OP-19	Dr. Aiman Ahmad	A new coordination polymer of zinc metal with hipa and hiz ligands: synthesis, characterization and adsorption studies in removing harmful organic dyes in waste water
OP-20	Masooma	Eco-Friendly Extraction: Deep Eutectic Solvents Amplifying the Bioactivity of

	Siddiqui	Plant-Derived Compounds
OP-21	Anas	Synthesis and characterizing of a binary CT complex co-crystal of organic moieties in different polar solvents
OP-22	Satya	Biomedical applications of metal and metal-oxide nanoparticles
OP-23	Ningthoujam Samarendra Singh	Changes in Secondary Metabolites in Mango from the Pesticide Application
OP-24	Imran Ahmad	Boron tribromide mediated C-C bond formation in cyclic ketones: a transition metal free approach
OP-25	Mohd. Farhan Khan	Enhancing Enzymatic Biofuel Cells with functional remodeling of iron sesquioxide-premised Nanocomposites
OP-26	Dr. T. S. Arul Jeevan	Unleashing the Potential of Nano Technology for Sustainable Development: A Multidisciplinary Perspective
OP-27	Fakhra Jabeen	Preparation and estimation of fixed charge density of polystyrene based titanium phosphate membranes for uni-univalent electrolytes in an aqueous solution

Poster Presentations

S.No.	Presenting Author	Title of the Abstract
PP-1	Chandra Shekhar Yadav	Synthesis of α , β - unsaturated carbonyl compounds as a potential of anticancer agent
PP-2	Kishor Nand	Synergistic approach: synthesis and characterization of TiO ₂ , CuS, and CdO nanomaterials for next generation solar cell applications
PP-3	Sabeeha Jabeen	Fabrication of Metal Oxide-based nanoparticles through green route and their applications: An Overview
PP-4	Saud Nusrat Ali	Synthesis, characterization and in-silico studies of (Z)-3-(1-hydroxy-3-oxo-1,3-diphenylpropan-2-ylidene) indolin-2-one
PP-5	Suraiya Khan	Design and synthesis of imine-containing oxindole derivatives and their biological investigation: in-silico and in-vitro studies
PP-6	Nadimullah	Ground water quality assessments parameters
PP-7	Zeba Ali Mumtaj	Organics and nutrient removal from synthetic wastewater contain antibiotics using Horizontal Flow Constructed Wetland
PP-8	Anushka Pandey	Identification of Beauvericin Metabolites for Biomonitoring Application: Insights from In Vitro and In Vivo Studies
PP-9	Sharda Devi Gangwar	Design and synthesis of medicinally relevant Heterocyclic scaffolds
PP-10	Waseem Ahmad Ansari	Investigation of inhibitors isolated from brown algae bioactive compounds against the PLK-1 overexpression in cancer cells using in-silico approach
PP-11	Umme Habiba Malik	Design and development of multitargeted new chemical entity for neurological disorders
PP-12	Neda Afreen	Porphyrin-Based Metal Organic Frameworks (MOFs) for the Photodegradation of Organic contaminants
PP-13	Neda Tabassum	g-C ₃ N ₄ /TiO ₂ : A Novel Approach for Visible Light Photocatalysis

PP-14	Harshit Mishra	Remediation of water through nanoparticles (nanotechnology)
PP-15	Munima Bano	In-silico study of novel pyrazole based compound with acrylate linkage for anticancer activity
PP-16	Priya Mishra	Metal-Organic Framework Nanocarriers as Drug Delivery Systems
PP-17	Benjamin Siddiqui	Advances in N-Substituted Heterocycles: A Focus on Benzoxazole Derivatives
PP-18	Mohd Faiyyaz	Thiazole-Schiff Base Conjugates: Synthesis, Antioxidant Properties, and Biomedical Applications
PP-19	Shivam Bhargav	Cu(OTf) ₂ -Catalyzed Beckmann Rearrangement of Ketones Using Hydroxylamine-O-Sulfonic Acid (HOSA)
PP-20	Farha Naaz	Design and spectrophotometric studies of a charge transfer complex of organic donor and acceptor in various polar solvents: Investigating its photocatalytic activity and DFT/ TD – DFT study
PP-21	Mehak Sagheer	Antimicrobial Potential and Protein Binding Affinity of a Hybrid Ternary Nanocomposite Matrix: Zinc Oxide Functionalization with Poly (vinyl alcohol)-Sulphonated Graphene Oxide-Poly Pyrrole
PP-22	Kulsum Hashmi	Biological Applications of Vanadium Complexes with Schiff Bases: An Overview
PP-23	Mohammad Amir	Design and synthesis of highly functionalized imine-containing heterocyclic compounds as promising anticancer agents
PP-24	Bal Krishna Mishra	Iodine (III) Catalyzed Preparation of Heterofunctionalized Pyrazolines, Pyrazoles and Isoxazoles
PP-25	Hemlata Mourya	NHC Catalyzed Enantioselective [3+2] Annulation of Enals with α -Oxyacylated Vinyl Ketones: Formal Total Synthesis of (+)-Chamaecyparone C
PP-26	Rahila Rahman Khan	Bioremediation: An Eco-Friendly Approach to Restoring Contaminated Environment
PP-27	Kafil Hoda Ansari	Mitigating Climate Stress on Plant Growth in Qatar through Biofortification with Selenium and Nickel in Vegetable Crops
PP-28	Anmol Verma	Spectroscopic, DFT and Molecular Docking studies of Novel Steroidal derivatives as potential anti-cancer agents
PP-29	Dheerendra Rastogi	Extraction and Characterization of Dimocarpus Longan for Bioactive Molecules
PP-30	Md Nadim	Sensitive voltammetric determination of Sudan I with Ionic Liquid and Surfactants and exploration of the interaction of metal ions
PP-31	Dr. Amina Jafri	Microorganisms' Function in Environmental Waste Bioremediation
PP-32	Mohd Arsh Khan	Design, synthesis and physiochemical studies of 2-chloro-10-(6-(2-methyl-1H-imidazol-1-yl)hexyl)-10H-phenothiazine
PP-33	Haroon Ahmad Khan	Design and Synthesis of Chalcone-Containing Aromatic Compounds as Promising Anticancer Agents
PP-34	Kajal Srivastava	Phytochemical Profiling and Antimicrobial Evaluation of Lavandula bipinnata
PP-35	Musharraf Ali Khan	Assessment of groundwater quality of Ganga river basin, India and application of statistical tools to assess its quality for domestic, agricultural usage and health risk prediction studies
PP-36	Shahzadi Bano	Phytochemical study of different polarity based fractions from Balliospermum

		montanum roots
PP-37	Uzma Afreen	Characterization of MoS ₂ @rGO as an electrode material for electrocatalytic properties
PP-38	Mohammad Rehan Ajmal	Investigating potential of Eichhornia crassipes foliage extract as a natural antagonist to Meloidogyne javanica through silicic and phytochemical analyses
PP-39	Rushda Sharf	Role of bio-herbicides in weed management
PP-40	Fiza Farooqui	Synthesis of novel purine scaffolds as potential anti-cancer agents
PP-41	Ilma Malik	Green synthesis of copper oxide nanoparticles for the photocatalytic degradation of waste water treatment
PP-42	Ushna Afreen	Synthesis, characterization and electrochemical evaluation of FeCr ₂ S ₄ nanoparticles as active electrode material for EES devices
PP-43	Srishti Dwivedi	Acetic Acid & Zinc Quercetin Complex for Replacement of Glyphosate: A Multi-Purpose Agrochemical For Sustainable Agriculture
PP-44	Zahid Alam	Green synthesis of copper oxide nanoparticles for the photocatalytic degradation of waste water treatment
PP-45	Nishat Fatima	Chemical profiling and antiproliferative activity of chloroform fraction of Anthocephalus cadamba bark (Roxb.) Miq.
PP-46	Zeba Sadia	Advances in QuEChERS Methods: Modifications and Versatile Procedures
PP-47	Swaila Bano	Synthesis and Characterization of Substituted Thiosemicarbazones as a Potent Biologically Active Agent
PP-48	Rashmi Shrivastava	Effect of flaxseed on Physical and Psychological Health in Perimenopausal Women of Lucknow city and nearby areas
PP-49	Sana Nisar	Synthesis and biological evaluation of bismuth compounds with thiosemicarbazones and its medicinal utility
PP-50	Shalini Mishra	Green synthesis of copper oxide nanoparticles for the photocatalytic degradation of waste water treatment

Link to download PDF file of souvenir:

https://drive.google.com/file/d/1DC8HK_LjYenqyqzXjqVeJB0OOxzswiRr/view?usp=sharing

Dr. Jamal Akhtar
Assistant Professor
Department of Chemistry
Organizing secretary
NVCAS, 2024

Professor Abdul Rahman Khan
Head, Department of Chemistry
Dean, Faculty of Science
Organizing Chairman
NVCAS, 2024



**INTEGRAL
UNIVERSITY**
LUCKNOW - INDIA

A⁺ ACCREDITED
BY NAAC



NATIONAL SEMINAR ON NEW VISTAS IN CHEMICAL AND APPLIED SCIENCES

**29th
APRIL,
2024**

Organized by
Department of Chemistry
Integral University, Lucknow

Venue : Central Auditorium, Integral University, Lucknow

ABOUT THE DEPARTMENT OF CHEMISTRY

The rich legacy of the Department of Chemistry at Integral University dates back to the year 1998, coinciding with the establishment of the Integral Institute of Technology, and subsequently evolving into the full-fledged Integral University in 2004. The department is known for its inspiring faculty members and motivated students. The department offers undergraduate and postgraduate programs in Industrial Chemistry, Chemistry and also offers Ph.D. programme in both full-time and part-time mode. The Ph.D. programme encompasses various specialized fields including Analytical Chemistry, Inorganic Chemistry, Organic and Medicinal Chemistry, Physical Chemistry, and Environmental Chemistry, attracting a diverse cohort of scholars keen on advancing scientific knowledge. The academic excellence is reflected by the placements of the students in recognized organizations and their progress in higher studies as some of them have joined reputed organizations to pursue their doctoral studies. The department has state-of-the-art and meticulously designed laboratories to hone the practical skills of the students. Further, the newly incepted Central Instrumentation Facility is furnished with sophisticated amenities including FTIR, XRD, LC-MS, ICP-MS, HPLC, and UV-Visible, among others to facilitate the research endeavours. As the outcome of laborious work and quality research, more than 500 research papers affiliated to the Department have been published in National and International journals of repute. The faculty members have also authored several reference and text books and contributed book chapters in international books. They are also extending collaborations in India and abroad in the pursuit of quality research.

NATIONAL SEMINAR ON NEW VISTAS IN CHEMICAL AND APPLIED SCIENCES

29th
APRIL,
2024

About the Seminar

The seminar *New Vistas in Chemical and Applied Sciences* shall be held on 29th April, 2024. Distinguished scientists, academicians, researchers, and students from reputed institutions will share their novel research findings. The event will address the key challenges and opportunities associated with chemical sciences and related areas during invaluable discussions in scientific sessions. This seminar is intended to provide a platform for scientists, faculty members, researchers and students to exchange and explore ideas mainly on Green Chemistry, Medicinal Chemistry, Organic synthesis, Nano sciences, Computational Chemistry, Pharmaceutical Chemistry & Biochemistry etc.

We assure you for an exciting and informative scientific programs that will feature excellent interactive and educative sessions by experts from different disciplines. The seminar is dedicated to establish itself as a important event for the exchange of knowledge and discuss the key role of chemistry for future sustainable development.

AREAS

- Organic Chemistry
- Coordination Chemistry
- Medicinal Chemistry
- Environmental Chemistry
- Phytochemistry
- Photochemistry
- Green Chemistry
- Computational Chemistry
- Nano Sciences
- Material Science
- Biosciences
- Agrochemicals
- Food Science

CALL FOR ABSTRACT

Abstracts are invited on above related areas. The abstracts should not exceed 250 words, should be typed in double space leaving 2.5 cm margin on all sides on A-4 paper. Three to five key words should be given below the abstract in italics. The font should be Times New Roman in 12 pt. size. The abstract should be sent through e-mail on ***organisingsecretary@iul.ac.in*** in MS word format indicating mode of presentation oral/poster. Accepted abstracts will be featured in the seminar's souvenir. The presentations will be evaluated for best poster and oral presentation awards.



INTEGRAL UNIVERSITY LUCKNOW- INSPIRING EXCELLENCE

Integral University is a premier university situated in Lucknow, the capital city of the largest state of India, Uttar Pradesh. It was established under Act Number 9 of 2004 by the State Government. The University is duly approved by the University Grants Commission (UGC) under sections 2(f) and 12B of the UGC Act, 1956 and all relevant statutory bodies. In the recent past, the University has been a recipient of several prestigious awards in the education sector. The university has been accredited A+ by the National Assessment and Accreditation Council (NAAC). The University offers diploma, undergraduate, postgraduate and doctoral programs in all prominent fields like Pharmacy, Engineering, Sciences, Health & Medical Sciences, Commerce & Management, Computer Applications, Agriculture, Law, Architecture & Planning, Education, Library & Information Science and Humanities & Social Sciences. The University offers more than 225+ programs across 29 Academic Departments, and currently hosts around 15000 students at its 160+ acre campus. In a lush green, safe, serene and ragging-free environment, the campus provides state-of-the-art hostel accommodation, with the capacity to host 2600 students in the hostels and houses a 800+ bedded hospital, as part of the Medical College, with state-of-the-art medical & Research facilities and more than 200 doctors. The grand Central Library of the University holds more than 100,000 books and several hundreds of journals and magazines. The University currently hosts students from more than 35 countries. Integral University has hosted several diplomats and dignitaries from African and Asian countries and enjoys the trust and support of the embassies on account of its quality education and infrastructure. The guidance and support that the University provides to its students in general and international students in particular, have brought accolades from the diplomatic community and student associations around the world.

ORAL/POSTER PRESENTATION

Poster boards will be provided for poster presentation. Poster should be 36X48 inch in size. The oral presentation shall be 10 minutes duration. Details for online/offline presentation shall be shared in due course of time.

AWARDS

Best oral/poster presentations will be awarded in the valedictory function of the seminar in each category with first, second and third positions.

ACCOMMODATION

Lucknow the city of Nawab's has a number of hotels with a tariff ranging from INR 1000/- to INR 4000/-. Hotels are located within a radius of about 5 km from the Integral University campus. Participants are requested to inform the organizer well in advance for accommodation.

REGISTRATION

Registration for the seminar can be done online through below link:

Registration link :

<https://www.iul.ac.in/FrmAdvProgramReg.aspx>



REGISTRATION FEE

Delegates from Industries & Academics	Rs. 1000/-
Students	Rs. 500 /-

Please ensure to send payment details and abstract at organisingsecretary@iul.ac.in

IMPORTANT DATES

Last date for registration : **25th April 2024**

Last date for abstract submission : **25th April 2024**

Intimation of abstract submission : **27th April, 2024**

Seminar date : **29th April, 2024**



CHIEF PATRON

Professor Syed Waseem Akhtar

Founder & Chancellor, Integral University, Lucknow

PATRONS

Dr. Syed Nadeem Akhtar

Pro-Chancellor, Integral University, Lucknow

Professor Javed Musarrat

Vice Chancellor, Integral University, Lucknow

Co-PATRONS

Mr. Syed M. Fauzan Akhtar

Executive Director, IIMSR, IIAHSR & IINSR

Integral University, Lucknow

Mr. Syed Adnan Akhtar

Executive Director, Directorate of International Affairs

Integral University, Lucknow

Professor Mohammed Haris Siddiqui

Registrar, Integral University Lucknow

Professor Syed Aqeel Ahmad

Director, HRDC, Integral University, Lucknow

Professor Wahajul Haq

Dean, R&D, Integral University, Lucknow

ORGANIZING CHAIRMAN

Professor Abdul Rahman Khan

Controller of Examinations & Dean Faculty of Science

Integral University, Lucknow

ORGANIZING SECRETARY

Dr. Jamal Akhtar

Assistant Professor, Department of Chemistry

Integral University, Lucknow

Co-ORGANIZING SECRETARIES

Professor Malik Nasibullah

Department of Chemistry, Integral University, Lucknow

Dr. Naseem Ahmad, Associate Professor,

Department of Chemistry, Integral University, Lucknow

Dr. Saimah Khan, Associate Professor,

Department of Chemistry, Integral University, Lucknow

Dr. Nafees Ahmad, Assistant Professor,

Department of Chemistry, Integral University, Lucknow

MEMBER ADVISORY COMMITTEE

Professor Aqil Ahmad, Advisor to Hon'ble Chancellor, Integral University, Lucknow

Professor T. Usmani, Dean, Engineering and Information Technology, Integral University, Lucknow

Professor Abha Chandra, Dean, IIMSR, Integral University, Lucknow

Professor Syed Misbahul Hasan, Director IQAC & Dean Pharmacy, Integral University, Lucknow

Professor Alvina farooqui, Head, Department of Bioengineering, Integral University, Lucknow

Professor Snober S. Mir, Head, Department of Biosciences, Integral University, Lucknow

Professor Iffat Zareen Ahmad, Department of Bioengineering, Integral University, Lucknow

Professor Anjani Kumar Tiwari, Head, Department of Chemistry, BBAU, Lucknow

Professor Juber Akhtar, Head, Department of Pharmacy, Integral University, Lucknow

Mr. Ahmad Raza, Treasurer, Integral University, Lucknow

Dr. Durga Prasad Mishra, Senior Principal Scientist, CSIR-CDRI, Lucknow

Dr. Mohd Imran Siddiqi, Chief Scientist, CSIR-CDRI, Lucknow

Dr. Ashish Gupta, Additional Professor, Centre of BioMedical Research, SGPGIMS Campus, Lucknow

Dr. Bhoopendra Tiwari, Associate Professor, Centre of BioMedical Research, SGPGIMS Campus, Lucknow

Dr. Vinay Kumar Singh, Associate Professor, University of Lucknow, Lucknow

Dr. Sharad K. Srivastava, Chief Scientist, CSIR-NBRI, Lucknow

ORGANISING COMMITTEE

Dr. Tahmeena Khan, Assistant Professor, Department of Chemistry, Integral University, Lucknow

Dr. Qazi Inamur Rahman, Assistant Professor, Department of Chemistry, Integral University, Lucknow

Dr. Firoz Hassan, Assistant Professor, Department of Chemistry, Integral University, Lucknow

Dr. Iqbal Azad, Assistant Professor, Department of Chemistry, Integral University, Lucknow

Dr. Mohammad Imran, Assistant Professor, Department of Chemistry, Integral University, Lucknow

Dr. Shahla Tanveer, Assistant Professor, Department of Chemistry, Integral University, Lucknow

CHIEF GUEST

Professor Alok Dhawan

Director

Centre of BioMedical Research,
SGPGIMS Campus, Lucknow

KEYNOTE SPEAKERS

Dr. Anil Kumar Saxena

Former Head

Medicinal & Process Chemistry,
Central Drug Research Institute
Lucknow

Dr. Syed Masood Husain

Associate Professor

Centre of BioMedical Research,
SGPGIMS Campus, Lucknow

SCAN QR CODE FOR
REGISTRATION



For Any Query

Contact +91-8318 74 3401

E-mail : jamalakhtar@iul.ac.in



NATIONAL SEMINAR

ON

“New Vistas in Chemical and Applied Sciences (NVCAS)”

29th April, 2024

Minute to Minute Plan

Anchor: **Dr. Saimah Khan**

9:30AM-9:40AM	Welcome of dignitaries
9:40AM-9:45AM	Welcome address by Organizing Chairman & Dean , Faculty of Science, Integral University
9:45AM-9:50AM	Release of the Souvenir
9:50AM-10:00AM	Address by Professor Javed Musarrat Hon'ble Vice-Chancellor, Integral University & Patron
10:00AM-10:10AM	Address by Chief Guest Professor Alok Dhawan Director, Centre of BioMedical Research, Lucknow
10:10AM-10:20AM	Address by Dr. Syed Nadeem Akhtar Hon'ble Pro-Chancellor, Integral University & Patron
10:20AM-10:30AM	Memento presentation
10:30AM-10:35AM	Vote of Thanks
10:35AM -10:50AM	Tea Break
10:50AM-11:35AM	Keynote Address by Professor Anil Kumar Saxena Former Head, Medicinal & Process Chemistry Division, CSIR-CDRI, Lucknow
11:35AM-12:20PM	Keynote Address by Dr. Syed Masood Husain Associate Professor, Centre of BioMedical Research, Lucknow
12:20PM-1:00PM	Lunch break

Oral and Poster Presentation Sessions (1:00PM-4:00PM)

1:00PM - 3:00PM	Oral Presentation Session (Hall-1, Central Auditorium)
	Chairperson: 1. Professor Syed Misbahul Hasan, Dean, Faculty of Pharmacy, IU 2. Professor Juber Akhtar, Head, Department of Pharmacy, IU 3. Professor Snober S. Mir, Head, Department of Bioscience, IU Judges: 1. Professor Kuldeep Singh, Faculty of Pharmacy, IU 2. Professor Alvina Farooqui, Head, Department of Bioengineering, IU 3. Professor Iffat Zareen Ahmad, Department of Bioengineering, IU
3:00PM- 4:00 PM	Poster Session (Basement, Central Library Building)
	Judges: 1. Professor Salman Akhtar, Department of Bioengineering, IU 2. Dr. Arun Kumar, Associate Professor, Department of Pharmacy, IU 3. Dr. Andleeb Khan, Associate Professor, Department of Bioscience, IU

Valedictory Function (4:00PM-4:33PM) (Venue: Hall 1, Central Library Building)

4:00PM - 4:05PM	Welcome of dignitaries
4:05PM - 4:10PM	Seminar Report Presentation
4:10PM - 4:15PM	Award distribution (Best Oral & Poster Presentations)
4:15PM - 4:25PM	Memento presentation
4:25PM - 4:30PM	Vote of Thanks
4:30PM - 4:33PM	National Anthem
4:33PM onwards	High Tea