



# Scientific Program

## 6th International Virtual Conference on Chemistry & Pharmaceutical Chemistry

March 22-23, 2025

Chemistry 2025 (Zoom Meeting)

Time Zone: GMT+0 (London, UK)

March 22, 2025

Time: 09:00 AM

09:00-09:05

Opening Ceremony

### Keynote Session

09:05-09:30

Title: From Folklore to Functional Food: A Questionnaire-Based Evaluation of Malva sylvestris L. Extract for Functional Constipation

Hammad Ullah, Xi'an International Studies University, China

09:30-09:55

Title: Single electrochemical sensor for Simultaneous Electrochemical Sensing of Flubendiamide and Carbendazim

Erum Jabeen, Allama Iqbal Open University, Pakistan

09:55-10:20

Title: Impact of Volcanic Ash on Antioxidant Properties and Nutritional Composition of Yellow Corn in Ecuador

Raluca Alexandra Mihai, ESPE Armed Forces University, Ecuador

10:20-10:45

Title: Bis-indoles Possessing Antiproliferative/Cytotoxic Activity

Mariana Budovská, Pavol Jozef Šafárik University, Slovakia

### Plenary Speaker Session

Sessions

Chemistry | Pharmaceutical Chemistry | Nanomedicine and Nanotechnology | Advanced Organic & Inorganic Chemistry | Chemical Engineering | Drug / Pharmaceutical Formulation | Future Scope of Chemistry | Biopharmaceutical and Biologic Drugs | Natural Product Chemistry | Biochemistry

### Session Chairperson

Erum Jabeen, Allama Iqbal Open University, Pakistan

Raluca Alexandra Mihai, ESPE Armed Forces University, Ecuador

10:45-11:10

Title: Exploration of some biological activities of the mucus of the snail *Helix aspersa* Muller

Imene Yahla, Abdelhamid Ben Badis University, Algeria

11:10-11:35

Title: Environmentally Friendly Synthesis of New Mono- and Bis-Pyrazole Derivatives : biological application and computational insight

Oussama Merzouki, Sidi Mohamed Ben Abdellah University, Morocco

11:35-12:00

Title: Cameroon's Bioresource Screening for Pharmaceutical Applications - Phytochemical Analysis and Antimicrobial Properties of *Tapinanthus globiferus*

	<b>Alang Michael Bong, ENSAI – The University of Ngaoundere, Cameroon</b>
<b>12:00-12:25</b>	<b>Title: Synthesis of carbazole-derivative by Suzuki-Miyaura reaction dual approach: envisaging scaffolds for future applications in organic electronics</b>
	<b>Jaqueline Dias Senra, Rio de Janeiro State University, Brazil</b>
<b>12:25-12:50</b>	<b>Title: Application of Modified Iron Oxide Nanoparticles in Functional Group Transformations in Organic Molecules</b>
	<b>Alka Agarwal, Banaras Hindu University, India</b>
<b>12:50-13:15</b>	<b>Title: Quercetin Liposomes as a Novel Targeted Therapy for Hepatic Dysfunction in Type 2 Diabetes</b>
	<b>Marisa Freitas, University of Porto, Portugal</b>
<b>13:15-13:40</b>	<b>Title: Helichrysum populifolium compounds inhibit MtrCDE efflux pump transport protein for the potential management of gonorrhoea infection</b>
	<b>Vhangani Evangeline Mulaudzi, University of Pretoria, South Africa</b>
<b>13:40-13:50</b>	<b>Refreshment Break</b>
<b>13:50-14:15</b>	<b>Title: Antibacterial Activity of Mentha piperita (Peppermint) Oil against Wound Infections Caused by Carbapenem-Resistant Klebsiella in Rats</b>
	<b>Fahad Alturaiki, Prince Sultan Military Medical City, Saudi Arabia</b>
<b>14:15-14:40</b>	<b>Title: Phototoxic evaluation in bacterial plasmids of Zn, Cu, Ni, Co, Fe and Mn unsubstituted Phthalocyanines, an introduction to their application as phototherapeutic agents</b>
	<b>Franklin Vargas, Venezuelan Institute for Scientific Research (IVIC), Venezuela</b>
<b>14:40-15:05</b>	<b>Title: Synthesis of highly stable Nitrogen doped Carbon Encapsulated Nano Cu<sub>2</sub>O Pom Discs and its Click Chemistry</b>
	<b>Shashikala Veldurthi, Osmania University, India</b>
<b>15:05-15:30</b>	<b>Title: Review of Gold Nanoparticles: Synthesis, Properties, Shapes, Cellular Uptake, Targeting, Release Mechanisms and Applications in Drug Delivery and Therapy</b>
	<b>Joel Georgeous, American University of Sharjah, UAE</b>
<b>15:30-15:55</b>	<b>Title: ZnO/g-C<sub>3</sub>N<sub>4</sub> nanophotocatalyst produced from MOF for effective organic pollutant degradation</b>
	<b>Muhammad Asim Khan, Linyi University, China</b>
<b>15:55-16:20</b>	<b>Title: Computational prediction of an important Protein's structure</b>
	<b>Ang Yang Yu, Jilin University, China</b>
<b>16:20-16:45</b>	<b>Title: Development of Aerosolized Formulation for latent or as an adjunct therapy for Multi Drug Resistance TB</b>
	<b>Vinay Saini, IIT Bombay, India</b>
<b>16:45-17:10</b>	<b>Title: The Role of Peptides in Combatting HIV Infection: Applications and Insights</b>
	<b>Naiera Mohamed Helmy, National Research Centre, Egypt</b>
<b>17:10-17:35</b>	<b>Title: Flow injection chemiluminescence determination of copper oxychloride (Fungicide) in freshwater and Fruits samples employing 1, 10-phenanthroline - H<sub>2</sub>O<sub>2</sub> reaction system</b>
	<b>Khair un Nisa, University of Balochistan, Pakistan</b>
<b>17:35-18:00</b>	<b>Title: Optimizing GNN Architectures Through Nonlinear Activation Functions for Potent Molecular Property Prediction</b>
	<b>Areen Rasool, GC University, Pakistan</b>

18:00-18:25

Title: Action mechanisms of exosomes derived from GD3/GD2-positive glioma cells in the regulation of phenotypes and intracellular signaling: Roles of integrins

Mohammad Abul Hasnat, Shahjalal University of Science and Technology, Bangladesh

18:25-18:50

Title: Exploring the potential of Chitosan-based nanoparticles as novel carrier for oral delivery of protein and peptide drugs

Ranu Biswas, Jadavpur University, India

18:50-19:15

Title: Improving the Mechanical, Corrosion Resistance, Microstructural and Environmental Performance of Recycled Aggregate Concrete Using Ceramic Waste Powder as an Alternative to Cement

Ansam Ali Hashim, Al-Furat Al-Awsat Technical University, Iraq

**End of Session**

**Closing & Award Ceremony**

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