



# Scientific Program

## 7th International Virtual Conference on Chemistry & Pharmaceutical Chemistry

September 13-14, 2025

Chemistry 2025 (Zoom Meeting)

Time Zone: GMT+1 (London, UK)

September 13, 2025

10:00 AM

10:00-10:05

Opening Ceremony

### Keynote Session

10:05-10:30

Title: Evaluation of the effect of care package application on urinary catheter-related infections and incontinence in female patients hospitalized in intensive care units

Dr. Sevcen Kutlug, Institute of Health Sciences, Sakarya University, Turkey

10:30-10:55

Title: Investigation of Escherichia coli Pathotypes in Acute Gastroenteritis Patients

Dr. Sevilay TURA, Istanbul University, Türkiye

10:55-11:20

Title: Bioorthogonal-activated CTLA4 Checkpoint Immunotherapy

Feng Lin, Peking University, Beijing, China

11:20-11:55

Title: Development of a drug based on cerium nanoparticles with wound healing and antibacterial effects

Ekaterina Vladimirovna Silina, I.M. Sechenov First Moscow State Medical University (Sechenov University), Russia

Maria Petrovna Kruglova, I.M. Sechenov First Moscow State Medical University (Sechenov University), Russia

11:55-12:20

Title: Green Multifunctional Catalytic Systems for the Synthesis of Pyrazoles with Pharmacological Applications

Carla Isabel Nieto Gómez, National University of Distance Education, Spain

### Plenary Speaker Session

Sessions

Chemistry | Pharmaceutical Chemistry | Nanomedicine and Nanotechnology | Advanced Organic & Inorganic Chemistry | Chemical Engineering | Drug / Pharmaceutical Formulation | Biochemistry

### Session Chairperson

Fahad Alturaiki, Prince Sultan Military Medical City, Saudi Arabia

Marisa Freitas, University of Porto, Portugal

12:20-12:45

Title: The Mechanisms of the Fenton and Fenton-Like Reactions

	Dan Meyerstein, Ariel University, Ariel, Israel
12:45-13:10	Title: Innovative Drug Delivery Systems: The Critical Role of Natural Polymers in the Design of Fast Dissolving Tablets
	Sheetal Sandip Buddhadev, Noble University, Junagadh, Gujarat, India
13:10-13:35	Title: Sulfurized Polyacrylonitrile for Rechargeable Batteries: A Comprehensive Review
	Mufeng Wei, , University of California, Berkele, USA
13:35-14:00	Title: Synthetic modifications of Cannabinol (CBN)
	Urvashi, Northern Michigan University, Marquette, USA
14:00-14:25	Title: Concentration-Dependent Pleiotropic Effects of Thymosin Beta4 and Cofilin on the Migratory Activity of Carcinoma Cells
	Abdulatif Al-Haj, Anatomy and Molecular Embryology, Ruhr-University,Germany
14:25-14:50	Title: Quercetin Liposomes as a Novel Targeted Therapy for Hepatic Dysfunction in Type 2 Diabetes
	Marisa Freitas, University of Porto, Portugal
14:50-15:15	Title: Helichrysum populifolium compounds inhibit MtrCDE efflux pump transport protein for the potential management of gonorrhoea infection
	Vhangani Evangeline Mulaudzi, University of Pretoria, South Africa
15:15-15:30	Refreshment Break
15:30-15:55	Title: Antibacterial Activity of Mentha piperita (Peppermint) Oil against Wound Infections Caused by Carbapenem-Resistant Klebsiella in Rats
	Fahad Alturaiki, Prince Sultan Military Medical City, Saudi Arabia
15:55-16:20	Title: Phototoxic evaluation in bacterial plasmids of Zn, Cu, Ni, Co, Fe and Mn unsubstituted Phthalocyanines, an introduction to their application as phototherapeutic agents
	Franklin Vargas, Venezuelan Institute for Scientific Research (IVIC), Venezuela
16:20-16:45	Title: Synthesis of highly stable Nitrogen doped Carbon Encapsulated Nano Cu <sub>2</sub> O Pom Discs and its Click Chemistry
	Shashikala Veldurthi, Osmania University, India
16:45-17:10	Title: Review of Gold Nanoparticles: Synthesis, Properties, Shapes, Cellular Uptake, Targeting, Release Mechanisms and Applications in Drug Delivery and Therapy
	Joel Georgeous, American University of Sharjah, UAE
17:10-17:35	Title: ZnO/g-C <sub>3</sub> N <sub>4</sub> nanophotocatalyst produced from MOF for effective organic pollutant degradation
	Muhammad Asim Khan, Linyi University, China
17:35-18:00	Title: Computational prediction of an important Protein's structure
	Ang Yang Yu, Jilin University, China
18:00-18:25	Title: Development of Aerosolized Formulation for latent or as an adjunct therapy for Multi Drug Resistance TB
	Vinay Saini, IIT Bombay, India
18:25-18:50	Title: The Role of Peptides in Combatting HIV Infection: Applications and Insights

**Naiera Mohamed Helmy, National Research Centre, Egypt**

**End of Session**

**Closing & Award Ceremony**

**Sciencezo Planet**

**124 City Road, London, EC1V 2NX, UK | Phone: +44-2080891060  
Email Id: [info@sciencezoplanet.com](mailto:info@sciencezoplanet.com); [chemistry@sciencezoplanet.com](mailto:chemistry@sciencezoplanet.com)**