



8th Global Virtual Summit on Chemistry & Pharmaceutical Chemistry September 06-07, 2025

Scientific Program

Online Meeting | Time Zone: GMT+1 (London, UK)

September 06, 2025

10:00 AM

10:00-10:05

Opening Ceremony

Keynote Session

10:05 - 10:30

Title: Sustainable Carbon Dots from Pine Biomass for Selective Fluorescent Detection of Amoxicillin and Tetracycline

Saheed O Sanni , College of Chemical Engineering, Sichuan University of Science & Engineering, Zigong , China

10:30 - 10:55

Title: Preliminary Study on PCC-Chitosan's Ability to Enhance Microplastic Excretion in Human Stools from Healthy Volunteers

Claudio Casella Ph.D, University of Pavia, Italy

10:55-11:20

Title: The role of post-translational modifications in necroptosis

Hao Xiao, Fudan University, Shanghai, P. R. China

11:20 - 11:45

Title: Bark-derived bioactives for bone health: anti-osteoporotic potential of Pinus extract

Aditi Sharma, Faculty of Pharmaceutical Sciences, Shoolini University, Solan, Himachal Pradesh, India.

11:45 - 12:10

Title: Nitrosamine impurities in Active pharmaceutical ingredient (API) Synthesis and characterization & Development of sensitive analytical method

Vipin Kumar, Bhagwant Global University Kotdwar Uttarakhand, India

12:10 - 12:35

Title: Efficient Removal of Mercury Ions Stabilized by Gold Solution Using Chitosan-Guar Gum Polymer Blend in Basic Media

Azwifunimunwe Tshikovhi, University of South Africa, Florida, Johannesburg, South Africa

12:35 - 13:00

Title: Development of Novel Mussel-Shell-Derived CaO-Based Transition Metal Catalysts for Efficient Microwave-Assisted Biodiesel Production

Shahd Abdullah Alamri, King Khalid University Abha, Saudi Arabia

13:00 - 13:25

Title: Innovative visible Method for Accurate Measurement of Lercanidipine hydrochloride Content: Development and Validation

	Basima A.A. Saleem, University of Mosul, Iraq
13:25 – 13:50	Title: Biosensor Detection of Prostate-Specific Antigen (PSA) Functionalized with DNA
	Mohammed Ihsan Majeed, University of Mosul, Iraq
13:50 – 14:15	Title: Extracellular Vesicles as Next-Generation Tools in Nanomedicine and Pharmaceutical Biotechnology: Unveiling Their Anti-Proliferative Potential in Colorectal Cancer
	Stelvio Tonello, University del Piemonte Orientale Novara, Italy
Plenary Session 01	
Session Details	Chemistry *** Pharmaceutical Chemistry *** Research Studies in Pharmacology*** Advanced Medicinal Chemistry *** Chemical Engineering *** Hetero Cyclic Chemistry ***
Session Chairperson	Stelvio Tonello, University del Piemonte Orientale Novara, Italy
14:15 – 14:40	Title: “(Magneto-structural correlations, substitution effects and slow relaxation of the magnetization on trinuclear linear Ni(II) complexes: An experimental and theoretical study)
	Shefa’ Fawzi Alrebei, University of Granada, Spain
14:40 – 15:05	Title: Synthesis of an Antioxidant Lipid Rich in Omega-3 Fatty Acids (EPA and DHA) via Enzymatic Interesterification in Supercritical CO ₂
	Alicia Rodríguez, Food Science and Chemical Technology, Chile
15:05 – 15:30	Title: Uncovering Water Effects in Protein–Ligand Recognition: Importance in the Second Hydration Shell and Binding Kinetics
	Wei Chen, Nan Chang University, Fuzhou, Jiang Xi, China
15:30 – 15:55	Title: A kinetic and mechanistic study of heterodinuclear Ru(II)-Pt(II) Complexes of flexible polyethyleneglycol ether linkers
	Aishath Shaira, University of KwaZulu-Natal, South Africa
15:55 – 16:20	Title: Effect of pH Value on the Bandgap Energy and Particles Size for Biosynthesis of ZnO Nanoparticles: Efficiency for Photocatalytic Adsorption of Methyl Orange
	Bachir Gherbi, University of El Oued, Algeria
16:20 – 16:45	Title: Development and characterization of a novel Thymoquinone-loaded lipid nanocapsule for oral administration
	Mouna Selmi, Université de Monastir, Tunisia
Poster Presentation Session (16:45-18:30)	
P001	Title: Co-encapsulation of β -carotene and (–)- α -bisabolol in O/W nanoemulsions stabilized by natural emulsifiers: phospholipids and proteins
	Ilyes Dammak, University of Sfax, Tunisia
P002	Title: In vitro study on the α -glucosidase inhibitory activity and antioxidant capacity of leaf extracts of Coffea arabica (Caturra variety)
	Johan Alexander Villada Ramos, Universidad del Quindío, Armenia, Colombia
P003	Title: Electrical conduction in ternary Na ₂ O-ZnO-B ₂ O ₃ glasses; a unique dependence on the mobility of Na ⁺ ions as main charge carriers

	M. AL-Zaibani, Amran University, Yemen
P004	Title: A sustainable method for synthesizing biologically active 2,3-dihydroquinazolin-4(1H)-ones utilizing a magnetic EDTA-coated copper nanocomposite
	Sahil Kohli, Institute of Research and Studies, Haryana, India
P005	Title: Balancing Beauty and Health: The Hidden Dangers of Heavy Metals in Cosmetics
	Umaima Gazal, Arts & Commerce Osmania University, Hyderabad, India
P006	Title: Single-Layered and Multi-layered Electrospun Nanofibers as an Ocular Matrix for the Controlled Release of Ofloxacin
	Shiva Taghe, Kermanshah University of Medical Sciences, Iran
Plenary Session 02	
18:30 – 18:55	Title: Variation in Phenolic Profile, Antioxidant, and Anti-Inflammatory Activities of <i>Salvadora oleoides</i> Decene. and <i>Salvadora persica</i> L. Fruits and Aerial Part Extracts
	Arifa khanam, Government College University Faisalabad, Pakistan
18:55 – 19:20	Title: Enhancement of the In Vitro Antitumor Effects of Berberine Chloride When Encapsulated within Small Extracellular Vesicles
	Abir Salek , University of Montpellier, France
19:20 – 19:45	Title: Swimming in the functional food molecules under omics navigation
	Qiang Zhang, College of Chemistry & Pharmacy Northwest, China
End of Session	
Closing Ceremony	
Researcher Meetings 20-22 Wenlock Road, London, England, N1 7GU, UK Phone No: +44 7480 723519 Email:chemistryinfo@researchermeetings.com; oliviacollin0572@gmail.com	