



7th Global Virtual Summit on Chemistry & Pharmaceutical Chemistry

March 17-18, 2025

Scientific Program

Online (Teams Meeting)

| Time Zone: GMT+0 (London, UK)

March 17, 2025

| 10:00 AM

10:00-10:05

Opening Ceremony

Keynote Session

10:05-10:30

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

10:30-10:55

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

Basima A.A. Saleem, University of Mosul, Iraq

10:55-11:20

Title: Biosensor Detection of Prostate-Specific Antigen (PSA) Functionalized with DNA

Mohammed Ihsan Majeed, University of Mosul, Iraq

11:20-11:45

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

11:45-12:10

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

12:10-12:35

Title: Synthesis of an Antioxidant Lipid Rich in Omega-3 Fatty Acids (EPA and DHA) via Enzymatic Interesterification in Supercritical CO₂

Alicia Rodríguez, Food Science and Chemical Technology, Chile

12:35-13:00

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
13:00-13:25	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
13:25-13:50	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
13:50-14:15	Title: Development and characterization of a novel Thymoquinone-loaded lipid nanocapsule for oral administration
	Mouna Selmi, Université de Monastir, Tunisia
Poster Presentation Session (14:15-16:00)	
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	
16:00-16:25	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
16:25-16:50	Title: Enhancement of the In Vitro Antitumor Effects of Berberine Chloride When Encapsulated within Small Extracellular Vesicles
	Abir Salek, University of Montpellier, France
16:50-17:15	Title: Swimming in the functional food molecules under omics navigation
	Qiang Zhang, College of Chemistry & Pharmacy Northwest, China

17:15-17:40	Title: Promoting the Diversity, Equity, and Inclusion in Organic Chemistry Education through Undergraduate Research Experiences at WSSU
	Mamudu Yakubu, Winston-Salem State University, USA
17:40-18:05	Title: Adsorption of fluoride onto Raffia palm shell activated carbon/aluminium (hydr) oxide composites: Optimization of batch operations and point of use system evaluation
	Raphael Terungwa Iwar, Agricultural and Environmental Engineering, Nigeria

End of Session

Closing Ceremony

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