



Thomas J Webster
Brown University, United States



Hossam A Gabbar
OntarioTechUniversity, Canada



Victor John Law
UniversityCollegeDublin, Ireland



Alexander Bagaturyants
Retired, Israel



Sergey Suchkov
NationalCenterforHumanPhotosynthesis, Aguascalientes,
Mexico



Shree Niwas Chaturvedi
Centre for Aptitude Analysis and Talent
Search, India

25th International Conference on

Medicinal and Pharmaceutical Chemistry

08th-09th

June 2026

San Diego, USA

Theme: Explore the future of Medicinal and Pharmaceutical Science

Scientific TOPICS

- Analytical and Bioanalytical Chemistry
- Structural Chemistry
- Organometallic Chemistry
- Environmental and Green Chemistry
- Marine and Geo Chemistry
- Organic and Inorganic chemistry
- Petrochemistry
- Polymer Chemistry
- Natural Products Chemistry
- Pure and Applied Chemistry
- Nuclear and Radio Chemistry
- Agricultural Chemistry
- Clinical Chemistry
- Physical Chemistry
- Supramolecular Chemistry

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Keynote Presentations

Title: Eliminating implant failure in humans with nano chemistry: 30,000 cases and counting **THOMAS J WEBSTER**, Brown University, United States

Title: Advances in plasma based radioactive waste treatment

HOSSAM A GABBAR, Ontario Tech University, Canada

Title: Natural rubber nanocomposites with cellulose nanofiber reinforcements produced by latex mixing: Effects of fiber morphology and modification

PIETER SAMYN, SIRRIS, Belgium **Title: Solar box cooker dehydration, and relative humidity endpoint**

detection, of lamiaceae culinary

leaves on the island of crete

VICTOR JOHN LAW, University College Dublin, Ireland

Title: Absorption and emission in organic nanostructures: Theoretical modeling

ALEXANDER BAGATURYANTS, National Research Nuclear University MEPhI, Russian Federation

Title: Personalized and Precision Medicine (PPM) as a unique healthcare model through biodesign-inspired and upgraded business marketing to secure the human healthcare and biosafety

SERGEY SUCHKOV, N.D. Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russia

Title: Nuclear-enhanced photocatalysis: Ionizing radiation meets artificial photosynthesis for atom-efficient hydrogen production

SHREE NIWAS CHATURVEDI, Centre for Aptitude Analysis and Talent Search, India **Title: Medicinal**

plants: Source of phytobiotic compounds as therapeutic agents for human diseases

DHARANI DHAR PATRA, Bidhan Chandra Krishi Viswavidyalaya, India

Oral Presentations

Title: Essential oil authentication and adulteration detection: Safeguarding the future of fragrance chemistry

PRABODH SATYAL, Aromatic Plant Research Center, United States

Title: Volatile Chiral Compound Stabilization in Camel Hump Fat Lipid Matrix for Skincare Innovation

ELMAAIDEN EZZOUHRA, UM6P - Mohammed VI Polytechnic University, United States

Title: Cooperative Side-On N₂ Binding and Multielectron Reduction of Diazenes by a Heterobimetallic Zr/Co Cluster

ADWITIYA SINGH, The Ohio State University, United States

Title: Development of highly potent fluorogenic triplex-specific ligands

LIANG XUE, University of the Pacific, United States

Title: Kinetics of silver ion encapsulation as nanoparticles using Vaccinium oxycoccos plant extract for the efficient sensing of Cr(iii) ions and its biological assessment

AMNA BIBI, University of Cambridge, United Kingdom

Title: From conjugation chemistry to antibody-targeted nanoformulations: Diagnostic and therapeutic applications

BAYAN ALKHAWAJA, University of Bath, United Kingdom

Title: Computational studies of functionalized [Pn7] (Pn = P, As) clusters for the catalyzed hydroboration of pyridine; Exploration of the treatment of entropy

DANIEL GALANO, The University of Manchester, United Kingdom

Title: When the model speaks: What remains human in AI enabled chemistry?

PAUL WALDRON, Carey Baptist Grammar School, Australia

Title: Quantitative study of quartz sand mechanoradicals generated by ball milling

SAHRA SHEIKH ALESLAMI, University of Auckland, New Zealand

Title: Enhancing process efficiency and safety with advanced sensor technology

SUSANNE NAF RUDIGER, Hamilton Bonaduz AG, Switzerland

Title: Nutrient and heavy metal loads from The ribeiras to coastal zones: A land-ocean continuum perspective in madeira island

ARACELIS DEL CARMEN NARAYAN RAJNAUTH, University of Porto, Portugal

Title: Investigation of low-frequency phenomena within flow pattern in standard mixing vessel induced by pitched blade impeller

TOMAS BRUHA, EnexPro, I.t.d, Czech Republic

Title: Prospective polyoxometalate-based covalent organic framework heterogeneous catalysts

ARASH EBRAHIMI, Comenius University Bratislava, Slovenia

Title: Zeolite Catalysis for a Cleaner Future: Engineering Active Sites and the FCC Desulfurization Revolution

RONALDO COSTA SANTOS, Universidade SENAI CIMATEC, Brazil

Title: Five-center two-electron molecular integrals over dirac wave functions for solving the molecular matrix dirac equation

KAZUHIRO ISHIDA, Retired from Science University of Tokyo, Japan

Chemical synthesis of D-metal molybdates in aqueous solutions

ZHAMAL AKHMATOVICH KOCHKAROV, Kabardino-Balkarian State University, Russian Federation

Title: Utilizing generative AI for interactive borane modeling: Insights from wade's rule in undergraduate education

YUEN MAI YAN, The University of Hong Kong, Hong Kong

Title: Photoaligned Azodye Nanolayers : New Nanotechnology for Liquid Crystal Display and Photonics Devices

VLADIMIR G CHIGRINOV, University of Science and Technology, Hong Kong

Title: Fluorination-based molecular design of NDI and PDI copolymers for n-Type organic semiconductors

MANAL B ALHAMDAN, Hamad Bin Khalifa University, Qatar

Title: Response of TBA on phosphorus bronze exposed to biodiesel: Enhancing metal surface stability and biodiesel molecule integrity

M A FAZAL, University of Jeddah , Saudi Arabia

Title: Enabling Technologies for engineering precision biomaterials, biocatalysts and nanoparticles for drug delivery to re-shape personalized & precision healthcare services

SERGEY SUCHKOV, N.D. Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russia

Title: Economic and environmental implications of the development of UASB reactors in Mexico for sustainable industrial wastewater treatment

JUAN MANUEL MORGAN, National University of Mexico-UNAM, Mexico

Title: Therapeutic effects of certain active principles from natural source

JOSE ANTONIO VELAZQUEZ DOMINGUEZ, National School of Medicine and Homeopathy, Mexico

Title: Dual-functional hybrid transport layers: L advancing spectrum sensing and signal processing in perovskite optoelectronics

XIN LI, National University of Defense Technology, China

Title: Nuclear and radio chemistry perspective: Development of FDM 3D-printed tissue-equivalent radiological phantom and alanine chemical dosimetry for radiotherapy

FEI GAO, China Institute of Atomic Energy, China

Title : Rapid screening methods of harmful chemicals in textiles

LILI SUN, Sun Yat-Sen University, China

Title: The true structure of benzene molecules and their influence on organic chemistry

DULUN WANG, Guangdong Pharmaceutical University, China

Title: Vibrational energy levels predictions for D2 16O, D2 17O and D2 18O

ANGYANG YU, Baise University, China

Title: Synthesis of copper (II) Oxide nanoparticles using curcumin and investigation of molecular interactions through DFT analysis

MADHULATA SHUKLA, Veer Kunwar Singh University, India

Title: Visible-Light-Driven degradation of highly concentrated methyl orange using a BiOI-MoS₂-Polyaniline hybrid photocatalyst via green route

RADHIKA RATHI, Amity Institute of Applied Sciences, India

Title: From waste to wealth: Bio-based catalysts and sustainable feedstock

EKSHA GULIANI, Manav Rachna University, India

Title: Nano lubricant Enhancement through Hydrothermal Synthesis of 2D Nanoparticles: A Pathway to Reduced Wear and Enhanced Efficiency

SUSARLA VENKATA ANANTA RAMA SASTRY, Harcourt Butler Technical University, Kanpur, India

Title: A facile highly selective colorimetric detection of Pb²⁺ ions using gold nanoparticles as a probe and its application in real samples analysis

MANJUSHREE BHATTACHARYYA, Vidyasagar University, India

Title: Treated drinking water as a sentinel indicator for episodic solvent pulses in riverine-coastal systems

KAR-WENG CHAN, Department of Chemistry Malaysia, Malaysia

Title: Antibacterial activity of bioactive compounds extracted from the Egyptian untapped green algae Rhizoclonium hieroglyphicum

AHMED DIAB MOHAMED AHMED EL ESAWY, Drinking Water and Sanitation Company, Egypt

Title: Synthesis, ADMET, PASS, molecular docking, and dynamics simulation investigation of novel octanoyl glucoopyranosides & valeroyl ribofuranoside esters

HASINUL BABU, University of Chittagong, Bangladesh

Title: Development of green energy technologies: An alternative approach to promote green energy and waste management

ABDUL MAJEED KHAN, FUUAST, Pakistan

Title: Eco-friendly strategies for N-arylation of pyrrolidines and related frameworks

SAEEDA MUBASHRA, Government College Women University Faisalabad, Pakistan

Title: Novel thiadiazine thiones and their biological screening as prodrug candidates

JAMSHED HASHIM, University of Lakki Marwat, Pakistan

Title: The volatilome of piper tenue in plant-coleopteran interactions

GEOVANNA TAFURT GARCIA, Universidad Nacional de Colombia, Colombia

Title: Adsorption behavior and mechanism of modified Abies marocana Trab. needles for the efficient removal of methylene blue dye

MALAK ZIRARI, Ibn Tofail University, Morocco

Title: From Natural Product to Anticancer Agents: Semi-Synthesis, Biological Evaluation, and Molecular Docking Studies of Novel β -Himachelene-Based Triazole Hybrids

MOURAD FAWZI, Cadi Ayyad University, Morocco

Title: Evaluation of the anti-inflammatory effect of propolis in Wistar rats

ABBASSIA DEMMOUCHE, University of Sidi Bel Abbes, Algeria

Title: Impact of chemotherapy on liver function alterations in cancer patients in sidi bel abbes region (west of algeria)

RACHA NASSIMA DARNAMOUS, Djillali Liabes University of Sidi Bel Abbes, Algeria

Title: Nature meets innovation: Green synthesis of nanoparticles using plant extracts and ionic liquids for a sustainable future

AZEEZ A BARZINJY, Soran University, Iraq

Title: Saffron in dermatology: A comprehensive review

FARSHAD AKBARNEJAD, Akhavi Lab Co, Iran (Islamic Republic of)

Title: Interval cycling training and its effects on serum BDNF and neurochemical biomarkers of brain plasticity: A study for chemistry beyond borders, Barcelona 2026

MEHRANGIZ GHORBANI, Azad University, Iran (Islamic Republic of)

Title: An in vitro and in vivo evaluation of a 3D-printed PCL/electrospun PVA-CS-sildenafil citrate double-layer wound dressing

ELHAM SALAR REZAEI, University of Tehran, Iran (Islamic Republic of)

Title: Determination of bacteriological loads in borehole in water

HEPHZIBAH KONADU AGYEMAN, University of Ghana, Ghana

Title: α -Aminophosphonate- β -Cyclodextrin Complex as a Promising Plant Growth Biostimulant

AIGUL MALMAKOVA, Kazakh-British Technical University, Kazakhstan

Title: An overview on the correlation of oxidative stress, chronic inflammation, microbial infections, and diabetes mellitus: Therapeutic potential of natural products

DEMISSIE SHIMELIS, HCTE, Ethiopia

Title: Molecularly imprinted polymer-bimetallic nanoparticle based electrochemical sensor for dual detection of phenol isomers micropollutants in water

MELKAMU BIYANA REGASA, Wollega University, Ethiopia

Title: GC MS analysis, In silico and in vitro antimicrobial studies of ethanol extracts of mitragyna inermis leaves against multi-drug-resistant staphylococcus aureus

MUSA ABUBAKAR O, Kwara State Polytechnic Ilorin, Nigeria

Title: Translational Biochemical Pharmacology Across Borders: Catalysing Global Health Innovation Through Collaborative Chemistry

BLESSING UCHECHI ONWUCHEKWA, Abia State College of Health Sciences and Management Technology, Nigeria

Title: In Silico Analysis of Isomeric Glycolipids from Sterculia setigera and its Derivatives as Lead Compounds against Mycobacterium tuberculosis Target

IBRAHIM BABALOLA, Yobe State University, Nigeria

Title: Isolation, structural characterization, in silico anticancer evaluation, admet profiling and brine shrimp toxicity of alpha-amyrin acetate from ficus sur stem bark

CHIOMA GLORIA APEBENDE, University of Calabar, Nigeria

Poster Presentations

Title: Synthesis of novel dye from methyl salicylate: A medicated dye for industrial applications **ERIC**

YORK, RMIT University, Australia **Title: Sustainable extraction of benzaldehyde from apricot kernels with simultaneous cyanide gas treatment**

SANDUNI GEEGANAGE, University of Canterbury, New Zealand

Title: Formation of water-in-oil droplets in intraocular silicone oil: In vivo evidence of a protein-active multiphase system

MONIKA REHACKOVA, University Hospital Kralovske Vinohrady , Czech Republic

Title: Utilisation of optical spectroscopy and physical chemistry methods in studies of interaction between pesticide molecules and vital bio-macromolecules

JANA STANICOVA, Charles University, Czech Republic

Title: The ETHERONICS starts with CHEMISTRY and Ends with LIGHT, through GRAVITATION

DENES JOO, Architect-Urbanist, Hungary

Title: Comparative study of erysimum cheiranthoides extracts obtained with different solvents for potential application in advanced wound healing biomaterials

ALINA ZBARANSKAYA, Nicolaus Copernicus University, Poland

Title: Production of DCF, phosphate fertilizer from the waste precipitate of acidic water neutralization at the Kutina phosphate gypsum landfill

ZDENKO CERAJ, Lerna d.o.o. private, Zageb, Croatia, Croatia

Title: Applying an external bias in XPS as a means to obtain additional information about materials

ALEXANDER PEREYASLAVTSEV, SUE VNIIA, Russian Federation

Title: Equilibrium, kinetics and thermodynamic adsorption studies of symmetrical reactive dyes in aqueous-based dyeing and non-aqueous reverse micellar dyeing of cotton fabrics

YANMING WANG, The Hong Kong Polytechnic University, Hong Kong

Title: Microplastics in cosmetic and personal-care products: Integrating green chemistry and ESG perspectives under the REACH 2023/2055 framework

ESHRAQ ALJAMAL, Irbid National University, Jordan

Title: Expanding and improve the 2D periodic law of Менделеев elements, and construct the "3D periodic law of elements"

ZHONGSHENG LEE, Zhengzhou Commercial Technician College, China

Title: Nuclear and Radio Chemistry: Investigation on irradiation-induced radiochemical & microstructural damage of SA508-? RPV steel via Neutron/Proton irradiation and nuclear dosimetry (dpa)

YUYANG DING, China Institute of Atomic Energy, China

Title: A modular approach to N-Fluoroalkyl amides via nitrene insertion into Fluoroalkylcopper(I)

LONG LYU, University of Chinese Academy of Sciences, china

Title: Synthesis, thermal, infrared spectroscopic and x-ray crystallographic characterization of gatifloxacin metal complexes and their antimicrobial properties

MOHAMMED ABU SAYEED, International Islamic University Chittagong, Bangladesh

Title: Synthesis of 2-Ethylhexyl 5-Bromothiophene-2-Carboxylates; antibacterial activities against salmonella typhi, validation via docking studies, pharmacokinetics, and structural features determination through DFT

WASEEM NAZEER, GCUF, Pakistan

Title: Green synthesis of gold nanoparticles using tribulus terrestris extract and antibacterial activity against gram-negative bacteria

NIGHAT NAWAZ, Islamia University Peshawar, Pakistan

Title: Design of a superparamagnetic Fe₃O₄@SiO₂ core-shell nanocatalyst for sustainable copper immobilization

AHLAM CHENNANI, University Sultan Moulay Slimane, Faculty of Science and Technology Beni Mellal, Morocco

Title: Mouthwash Formulation based on Wild Olive Extract "Olea europaea sylvestris"

ABBASSIA DEMMOUCHE, University of Sidi Bel Abbes, Algeria

Title: Theoretical investigation of physicochemical and biological properties of some imidazole derivatives: A DFT approach and molecular docking analysis

LARBI YOUNES, University Batna 1 Departement Of Chemistry Lcmvar Laboratory, Algeria

Title: The influence of concrete on water quality

SEDDIKI SARA, Tahri Mohamed University, Algeria

Title: Ammonia Gas Removal in Air Stripping Process by Bio Filtration Compost and Packing Media

ZANGENEH AREZOO, Khuzestan University of Applied Sciences, Iran

Title: α-Aminophosphonate-β-Cyclodextrin Complex as a Promising Plant Growth Biostimulant

AIGUL MALMAKOVA, Kazakh-British Technical University, Kazakhstan

Title: Methods for improving the quality, increasing the quantity of diesel fuel and solving environmental issues in oil refining

MYRATDURDY KEYMIROV, Institute of Chemistry of the Academy of Sciences of Turkmenistan, Turkmenistan

Title: De Novo Molecular Design and Bioactivity Prediction of Novel Hexahydroquinolines as Transmission-Blocking PfCDPK4 Inhibitors

GBOLAHAN ODUSELU, University of Ghana, Ghana

Oral and Poster presentations slots are available!!