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7TH EDITION OF

CHEMISTRY WORLD CONFERENCE

TENTATIVE PROGRAM

HYBRID EVENT
21-23
JUNE 2027

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CONFERENCE TOPICS

- Pharmaceutical & Medicinal Chemistry
- Organic and Inorganic Chemistry
- Analytical and Bioanalytical Chemistry
- Materials & Nanochemistry
- Polymer Chemistry
- AI & Machine Learning in Chemistry
- Catalysis and Chemical Engineering
- Energy & Electrochemical Chemistry
- Environmental and Green Chemistry
- Biochemistry & Chemical Biology

Theme:
Exploring Innovations and Emerging Trends in Chemical Sciences

+1 (702) 988-2320 +1 (540) 709-1879 | https://chemistryworldconference.com/

Keynote Speakers



Brian S J Blagg
University of Notre Dame, United States



Thomas J Webster
Brown University, United States



Yong-Xiao Wang
Albany Medical College, United States



Hossam A Gabbar
Ontario Tech University, Canada



Olena V Zenkina
Ontario Tech University, Canada



Orchidea Maria Lecian
Sapienza University of Rome, Italy



Victor J Law
University College Dublin, Ireland



S V A R Sastry
Harcourt Butler Technical University, India



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

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KEYNOTE PRESENTATIONS

Yong-Xiao Wang, Albany Medical College, United States

Title: Novel polymer-mediated therapeutic options for chronic obstructive pulmonary disease

Brian S J Blagg, University of Notre Dame, United States

Title: Turning problems into opportunities via small molecule design

Thomas J Webster, Brown University, United States

Title: Fighting antibiotic resistance: Eliminating implant infections in humans without antibiotics

Hossam A Gabbar, Ontario Tech University, Canada

Title: Advances in plasma-based waste treatment

Olena V Zenkina, Ontario Tech University, Canada

Title: Durable surface-confined metal-terpyridine architectures for electrochromic applications

Orchidea Maria Lecian, Sapienza University of Rome, Italy

Title: Application of the Michaelis-Menten formalism to hydrocracking-related reactions and analysis of the features of the reactors

Victor J Law, University College Dublin, Ireland

Title: Direct solar leaf-dehydration: Physiochemistry, and practice on the island of Crete

S V A R Sastry, Harcourt Butler Technical University, India

Title: Innovative 2D nanomaterial-based bio-lubricant additives for improved efficiency and environmental sustainability in automotive applications

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

Title: pH-dependent recoil stabilization in iodates following the (n,γ) process

ORAL PRESENTATIONS

Vinod Kumar Manglige, Acharya Nagarjuna University, United States

Title: Trace level detection of mutagenic N-nitroso nintedanib in pharmaceutical substances and products using a highly sensitive LC-MS/MS method

Siegmund Reissmann, Friedrich Schiller University, Germany

Title: Quo vadis cell-penetrating peptide?

Alessia Corami, Aix-Marseille University, Italy

Title: Brownfield remediation with phosphates: A nature-based and circular economy approach - a case study from central Italy

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Javad Cheheri, Medico Checm Research, Spain

Title: From fungal biomass to functional chitosan: A green route to low molecular weight polymers via Aspergillus niger fermentation

Klaus Radunsky, National Standardization International, Austria

Title: Why developing a governance for SRM (Solar Radiation Management) is a matter of urgency

Zelda Hoff, University of Ghent, Belgium

Title: Development and evaluation of a pyrolysis-GC/MS method for PFAS in environmental matrices: Biomass, soil and water

Guy Patchronik, Ariel University, Israel

Title: Zepto-molar (10-21 M) detection of biomarkers

Mikhail Dolomatov, Ufa State Petroleum Technological University, Russia

Title: The theory of multicomponent systems with chaotic chemical composition and the prediction of the distribution of biological molecules in space

Vladimir Voronov, Irkutsk National Research Technical University, Russia

Title: Tomographic image of molecules based on spin-spin interactions that are part of them resonating nuclei of atoms

Igor Romanskii, N.N. Semenov Institute of Chemical Physics, Russia

Title: Study of hydrogen transfer reactions within the framework of the non-equilibrium approach

Valery P Kalinichenko, Institute of Fertility of Soils of South Russia, Russia

Title: Chemical-soil-biological engineering and biogeosystem technique methodology for long-term environmental sustainability

Osman Adiguzel, Firat University, Turkey

Title: Memory characteristics and crystallographic aspects of reversibility in shape memory alloys

Arun K Shandilya, Dr Hari Singh Gour University, India

Title: Studies on the dating of natural gas in tubewells in Vindhyan rocks, Sagar-Damoh district, South Ganga Basin, Madhya Pradesh, India

Bijendra Singh, Central University of Gujarat, India

Title: Hierarchical redox coupling and regenerative electrochemical energetic for sustainable heliophotonic transduction and reversible energy conversion and storage

Saiprakash Rout, National Institute of Science Education and Research, India

Title: Chiral H2S ice

Ahmed Diab Mohamed Ahmed El Esawy, Drinking Water and Sanitation Company, Egypt

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

Hossein Nourmohamadi, Iranian Research Organization for Science and Technology, Iran

Title: Molecular-level chemistry in mineral processing: From quantum mechanics to plant performance

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Hephzibah Konadu Agyeman, Ghana Atomic Energy Commission, Ghana

Title: Determination of radionuclides in borehole water in the Adenta Municipality of Ghana

Ngo Hondt Odette Etoile, University of Bertoua, Cameroon

Title: Ecology and sensitivity of Aedes albopictus and Aedes aegypti to the essential oils of Ageratum conyzoïdes and Chromolaena odorata

Samuel Echioda, Federal University of Health Sciences Otukpo, Nigeria

Title: Spatio-temporal assessment of industrial wastewater quality and pollution dynamics in Kano Metropolis, Northwestern Nigeria: Implications for sustainable water resource management

Mausul Umar, Federal University of Kashere, Nigeria

Title: The role of silica gel in purification of agricultural and industrial wastes containing rosaniline hydrochloride

J Gani, Federal University Wukari, Nigeria

Title: Extraction and characterization of henna dye and it's application on cotton fabric

Oral presentation slots are available

POSTER PRESENTATIONS

Layla A Sheta, Oakland University, United States

Title: Biohybrid cyclophane-based organic semiconductor frameworks for electrochemical acetylcholine sensing toward point-of-care testing

Elena Bukovetzky, Ziv Medical Center, Israel

Title: Analytical performance and agreement between different laboratory technologies for hs-CRP measurements

Milana Dolomatova, Ufa State Petroleum Technological University, Russia

Title: Electronic phenomenological spectroscopy as a new direction in physical chemistry and medicine

Valery N Belyaev, Independent researcher, Russia

Title: On the similarity between rare earth elements and alkaline earth elements and their chemical compounds

Abhishek Bansal, New Era Consultancy Services, India

Title: From the Bansal nonlinear wave function to chemical bonding: A stratified B-Chem framework for atomic structure, molecular geometry, and symmetry

Md Rubel Rana, University of Chittagong, Bangladesh

Title 1: Assessment of water quality in Karnaphuli River following a sugar warehouse explosion: A case study
Title 2: Integrated experimental and computational assessment of the multifaceted bioactivities of dillenia pentagyna roxb. bark extracts

Shixaliyev Kerem Sefi, Azerbaijan State Oil and Industry University, Azerbaijan

Title: Study of binary systems based on butadiene-terephthalate rubber and Astragalus and its rheological properties

Poster presentation slots are available