

**? WHO  
SHOULD  
ATTEND**

Directors, CEOs | Association presidents | Vice Presidents and professionals | Chemistry Researchers & Academicians | Chemistry Scientists | Clinical Services Managers | Healthcare Workers, Druggist | Drug developers | Research Laboratories | Drug development companies | Research Institutes and members | Supply Chain companies | Chemistry Startup companies | Manufacturing Companies | Training Institutes | Business Entrepreneurs and Students | Young Investigators

# EURO CHEMISTRY CONGRESS

OCTOBER 23-24, 2020 | PARIS, FRANCE

## *Venue*

**Mercure Paris Charles De Gaulle  
Airport & Convention**

BP 20248 -Roissypôle Ouest -Route  
de la commune -95713  
Roissy CDG Cedex

**2**

**DAYS WITH MORE  
THAN 45 SESSIONS,  
KEYNOTES & TALKS**

**12+**

**INNOVATIVE  
FEATURED  
SPEAKERS**

**20+**

**HOURS OF  
NETWORKING  
EVENTS**

**60+**

**INTERNATIONAL  
SPEAKERS**

**125+**

**EDUCATIONAL  
SESSIONS**

# Welcome Message



Dear Euro-Chemists and colleagues around the World!

Let me extend my warm greetings to all participants of the "Euro Chemistry Congress" in Paris, France during October 23-24, 2020.

Our theme, "Novel Trends and Approaches in the field of Chemistry", seems to be an ordinary duty for all natural scientists nowadays since the great modern chemistry with novel trends is everywhere around and inside us! Biochemistry, Nano-medicine, Catalysis and Organic Electronics develop like forest fire lighted up by incendiary quantum approaches. I hope that our Congress will shed new light on various branches of experimental and theoretical chemistry and wish you emotional and fruitful couple of days in spring Paris!

## **Boris Minaev**

*Head of Chemistry and Nano-material Science Department,*

*Bogdan Khmel'nitsky National University in Cherkasy.*

*The Honoured Scientist of Ukraine*

*Professor Emeritus of the Royal Institute of Technology, Stockholm.*

# PRESENTATION FORUM

## KEYNOTE FORUM / MINI-PLenary SESSIONS

Presentations under Keynote Forum or Mini-Plenary Sessions includes abstracts with remarkable research value selected by the program committee. These significant speeches are delivered by globally recognized honorable speakers and it is open to all registrants.

## DISTINGUISHED SPEAKERS FORUM (ORAL ABSTRACT SESSIONS)

In this forum, speakers and experts of the research field gets an opportunity to showcase their noble research work that involves comprehensive research findings. These formal oral presentations include a wide range of talks covering basic research to advanced research findings in accordance to the theme and scientific sessions of the conference.

## STUDENT FORUM

### POSTER SESSION

This session is particularly introduced to encourage more number of student participation at international conferences, however it is not restricted only to students since it is also available for the participants with language barrier. There are specific guidelines to be followed to prepare the poster. Poster topic should be selected only from relevant scientific sessions with in-depth technical details.

### YOUNG INVESTIGATORS FORUM

An exclusive opportunity for students and young investigators to present their research work through a formal oral presentation. Young Investigators Forum provides a global platform for young researchers and scholars to showcase their valuable contribution to the scientific world and to get acknowledged by the global scientific community of experts. It is an excellent opportunity to recognize young scientific assets with promising research ideas. These oral presentations are of shorter time duration with 10-15 minutes of informative and precise presentations in relevant scientific sessions.

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TYPES OF  
ACADEMIC  
REGISTRATIONS

**SPEAKER  
REGISTRATION**

**COMBO A**  
(Registration + 2 night's accommodation)

**COMBO B**  
(Registration + 3 night's accommodation)

**DELEGATE REGISTRATION**



## EDUCATIONAL WORKSHOPS/ RESEARCH WORKSHOPS/CORPORATE WORKSHOPS/MINI- SYMPOSIA

With an aim of transferring knowledge among the participants, workshops are introduced as a part of international conferences. These interactive and occasionally practical sessions gives an opportunity for participants to engage in detail discussion. Workshops are mostly scheduled for 60 to 90-minutes. It may range from learning about a specific topic relevant to international education, products and research which sometimes involves practical demonstration. It helps in enhancing skills, knowledge and understanding of the research field in depth through interactive discussions.

## HIGHLIGHTS OF THE DAY SESSIONS

“Highlights of the Day Sessions” is introduced to discuss and focus a ray upon previous day ORAL ABSTRACT presentations by experts to summarise the key findings. It helps in getting better insights into the various dimensions of the topic.

## EDUCATIONAL SESSIONS/ TRAINING PROGRAMS

Educational Sessions or training programs are specifically designed for a better understanding of the latest findings and technologies. These are generally 45-minute sessions that gives an exposure to the multidisciplinary field, that provides in-depth learning experiences and address educational needs.

## MEET THE PROFESSOR @ NETWORKING SESSIONS

This session involves open discussion between the experts and session attendees, it gives enough time for getting answers to specific questions and doubts. It is an opportunity for attendees to increase their professional networking, sometimes also leads to an excellent collaboration opportunity.

## SCIENTIFIC TRACKS/ SESSIONS

Analytical Chemistry | Agricultural Chemistry | Biochemistry | Chemistry of Transition Elements | Chemical Engineering | Electrochemistry | Environmental Chemistry | Food Chemistry | Forensic Chemistry | Geochemistry | Green Chemistry | Industrial Chemistry | Inorganic chemistry | Nanotechnology | Materials science | Medicinal Chemistry | Metallurgy | Molecular biology | Natural Product Chemistry | Neurochemistry | Organic Chemistry | Petrochemistry | Physical chemistry | Polymer chemistry | Radiochemistry

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## TYPES OF BUSINESS REGISTRATIONS

### SPEAKER REGISTRATION

#### COMBO A

(Registration + 2 night's accommodation)

#### COMBO B

(Registration + 3 night's accommodation)

#### DELEGATE REGISTRATION

## TYPES OF STUDENT REGISTRATIONS

### REGISTRATION

#### YIF

#### COMBO A

(Registration + 2 night's accommodation)

#### COMBO B

(Registration + 3 night's accommodation)

#### POSTERS

## TYPES OF ADDITIONAL REGISTRATIONS

Accompanying Person

E-Poster

Virtual Presentation

Workshops

Start-Ups



# Concurrent Educational Sessions

FRIDAY, OCTOBER 23, 2020

## ANALYTICAL CHEMISTRY

- Applications of analytical chemistry
- Chromatography
- Electrochemical analysis
- Hybrid techniques related to analytical Chemistry
- Lab-on-a-chip
- Mass spectrometry
- Microscopy
- Qualitative and quantitative analysis
- Separation
- Spectroscopy
- Thermal analysis

## AGRICULTURAL CHEMISTRY

- Agricultural biotechnology
- Technology and sustainable agriculture best practices
- Climate change impacts, mitigation and adaptation
- Renewable energy sources and sustainable agriculture
- Greenhouses and horticulture
- Agricultural machinery
- Fertilisers and chemicals
- Irrigation and water management
- Nanotechnologies in agriculture

## BIOCHEMISTRY

- Biochemistry methods
- Bioinorganic chemistry
- Biology and pharmacology of chemical elements
- Chemical ecology
- Chemical pathology
- Clinical Biochemistry and Nutrition
- Metabolisms
- Neurochemistry
- physiological biochemistry
- Reagents for biochemistry

## CHEMISTRY OF TRANSITION ELEMENTS

- Characteristics of transition elements
- Electronic configuration
- Chemical formula
- Ligand binding
- causes of colour compounds of transition elements
- complex compound formation
- coordination complexes
- transition metal Dinitrogen complexes

## GROUP PHOTO

## COFFEE BREAK

## CHEMICAL ENGINEERING

- Etymology
- Process design and analysis
- Chemical reaction engineering,
- Heat-transfer equipment
- New concepts and innovations in chemical Engineering
- Nuclear engineering
- Safety and hazard assessments
- Separation columns (distillation, absorption and extraction)

## ELECTROCHEMISTRY

- Bipolar electrochemistry
- Electroanalytical method
- Electrochemical energy conversion
- Electrochemical engineering
- Electrochemical impedance spectroscopy
- Electrochemical potential
- Fuel cells
- Nanoelectrochemistry
- Photoelectrochemistry
- Redox titration

## ENVIRONMENTAL CHEMISTRY

- Radiochemicals
- Aquatic chemistry
- Atmospheric chemistry
- Bioassays and immunoassay
- Environmental measurement and monitoring
- Environmental monitoring
- Environmental quality parameters related to fresh water
- Gravimetric, titrimetric and electrochemical methods
- Pollution

## FOOD CHEMISTRY

- Food engineering
- Food fortification
- Food microbiology
- Food packaging
- Food physical chemistry
- Food preservation
- Food rheology
- Food safety
- Food science
- Food storage
- Food supplements
- Food technology

## LUNCH BREAK

## FORENSIC CHEMISTRY

- Ballistic fingerprinting
- Bloodstain pattern analysis
- Encompasses organic and inorganic analysis
- Fingerprint analysis
- Forensic data analysis
- Forensic toxicology
- Investigating the physical and chemical properties
- Scientific methods for analyzing evidences

## GEOCHEMISTRY

- Aqueous geochemistry
- Biogeochemistry
- Concepts of energy, entropy and fundamental thermodynamics
- Earth crust
- Giant planets
- Isotope geochemistry
- Organic geochemistry
- Petrology
- Photogeochemistry
- Radiogenic isotope geochemistry
- Regional geochemistry

## GREEN CHEMISTRY

- Biocatalysts in organic synthesis
- Bioremediation
- Designing a green synthesis
- Disaster management
- Environmental engineering science
- Environmental pollution
- Green catalysts
- Green chemistry in day-to-day Life
- Green computing
- Green engineering
- Green synthesis
- Sustainable engineering

## INDUSTRIAL CHEMISTRY

- Chemical plants development
- Food microbiology
- Green water treatment
- Industrial photo chemistry
- Industrial water supply
- Petroleum refining and petrochemicals
- Pyrolysis
- Ultrapure water production
- Waste water treatment
- Water treatment using different types of nanomaterials

## COFFEE BREAK

## INORGANIC CHEMISTRY

- Bioinorganic chemistry
- Bioorganometallic chemistry
- Ceramic chemistry
- Cluster chemistry
- Coordination chemistry
- Materials science
- Organometallic chemistry

## MATERIALS SCIENCE

- Biomaterial
- Bioplastic
- Ceramic engineering
- Crystallography
- Metallurgy
- Polymer science and polymer engineering
- Surface science
- Tribology

## MEDICINAL CHEMISTRY

- Chemical synthesis
- Chemicals in medicine
- Drug design
- Drug discovery
- Medicinal inorganic chemistry
- Medicinal radiochemistry
- Natural products
- Pharmacokinetics
- Pharmacology

## METALLURGY

- Archaeometallurgy
- CALPHAD
- Carbonyl metallurgy
- Cupellation
- Experimental archaeometallurgy
- Gold phosphine complex
- Goldbeating
- Metallurgical failure analysis
- Mineral industry
- Pyrometallurgy



# Concurrent Educational Sessions

SATURDAY, OCTOBER 24, 2020

## MOLECULAR BIOLOGY

- Central dogma of molecular biology
- Genetic code
- Genome
- Molecular engineering
- Molecular microbiology
- Molecular modeling
- Protein interaction prediction
- Proteome
- Cell biology

## NATURAL PRODUCT CHEMISTRY

- Carbohydrates
- Aromatic compounds
- Terpenoids
- Steroids
- Amino acids, peptides and proteins
- Alkaloids
- Nucleosides, nucleotides and nucleic acids
- Porphyrins
- Aliphatic compounds
- Primary metabolites

## NANOTECHNOLOGY

- Energy applications of nanotechnology
- Environmental benefits of nanotechnology
- Molecular nanotechnology
- Nanobiotechnology
- Nanoelectromechanical relay
- Nanoengineering
- Nanometrology
- Nanotechnology in water treatment
- Nanoweapons
- Wet nanotechnology

## NEUROCHEMISTRY

- Molecular neuroscience
- Neuroendocrinology
- Neurogenesis
- Neuroimmunology
- Neuromodulation
- Neuropharmacology
- Neuroplasticity or synaptic plasticity
- Signal transduction

## GROUP PHOTO

## COFFEE BREAK

## ORGANIC CHEMISTRY

- Ethers
- Alcohol
- Aldehydes
- Amine
- Aromaticity
- Carboxylic derivatives
- Chemical Reactivity
- Haloalkanes
- Haloarenes
- Hydrocarbons
- Intermolecular forces
- Ketones
- Nomenclature
- Phenol

## PETROCHEMISTRY

- Advanced oil and gas technologies
- Drilling and well operation technology
- Environmental hazards of petroleum
- Hydraulic fracturing
- Oil refining
- Petroleum engineering and its industrial application
- Petroleum geology and geo-physical exploration

## PHYSICAL CHEMISTRY

- Thermochemistry
- Chemical kinetics
- Quantum chemistry
- Electrochemistry
- Photochemistry
- Surface chemistry
- Solid-state chemistry
- Spectroscopy
- Biophysical chemistry
- Materials science
- Physical organic chemistry
- Micromeritics

## POLYMER CHEMISTRY

- Polymerization Techniques
- Biodegradable Polymers
- Bioplastics
- Biopolymers & Biomaterials
- Ionic chain-reaction and complex coordinative polymerization
- Naturally occurring polymers
- Organic and inorganic polymers
- Polymer Synthesis
- Polymers For Emerging Technologies
- Rheology

## LUNCH BREAK





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## Featured Speakers

## Presentation Titles

**Hector M Guevara**

NuEnergy Technologies Corp,  
USA

Highly-Efficient Thermoelectronic Conversion of Solar Energy and Heat into Electric Power With Special Consideration for the Integration and use of Graphene Membranes with the Hydrogen Output from our Turbine, for the desalinization and production of Potable WATER As Designed, Reviewed, and Postulated by H.M. Guevara

**Ramesh N. Patel**

SLRP Associates, USA

Biocatalysis: Production of Chiral Intermediates and Active Pharmaceutical Ingredients (API's)

**Phuong Nguyen-Tri**

Université du Québec à Trois-  
Rivieres, Canada

Nanoscale characterization of polymer crystallization

**Franz-Josef Meyer-Almes**

University of Applied  
Sciences Darmstadt,  
Germany

Protein-ligand binding kinetics

**Jan W Dobrowolski**

AGH University of Science  
and Technology, Poland

Lifelong Learning for Common Action of Experts and Society Promoting Innovative Green Chemistry for Bioeconomy-based Sustainable Development

**Jan W Dobrowolski**

AGH University of Science  
and Technology, Poland

Innovative biomimetic green chemistry for construction resistance to earthquake, strong wind and climate change

**Hanumantha Rao Kota**

Norwegian University of Science  
and Technology, Norway

Novel green biosurfactants in froth flotation for the recovery of base metals from sulphide ores

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**Euro Chemistry 2020**

**SPEAKER SLOTS  
AVAILABLE**

<b>Alexander O. Terent'ev</b> Russian Academy of Sciences, Russian Federation	Hydrogen peroxide as green reagent in organic synthesis
<b>K Volcho</b> Novosibirsk Institute of Organic Chemistry, Russia	Tdp1 Inhibition as a Promising Approach to New Antitumor Drugs
<b>V Perminov</b> Tomsk Polytechnic University Russia	Mathematical modeling of forest fires initiation and spread
<b>Evgenii Krasikov</b> National Research Centre Kurchatov institute, Russia	Interaction of hydrogen with nanoscale structures in irradiated steel
<b>I Gablina</b> Geological Institute of the Russian Academy of Sciences, Russia	Geochemical formation conditions of polymetallic sulfide ores
<b>Joe Shapter</b> University of Queensland, Australia	Enhancing Solar Cells using Nanomaterials
<b>John Owen Roberts</b> Open University, UK	Condensed Matter Nucleosynthesis Phase Transitions via the Roberts-Janet Nuclear Periodic Table
<b>Saeed Farrokhpay</b> University of Lorraine, France	Using rheology data to understand mineral flotation process performance
<b>Andrea Cormano</b> Baselice (BN), Italy	Chemicals and Multiple Chemical Sensitivity (MCS)
<b>Bartolome Ribas-Ozonas</b> Royal National Academy of Pharmacy, Spain	Synergism in physiological effects between low electromagnetic fields (ELMF) and heavy metals (Hg,Pb) on mice cerebral structures
<b>Chibao Huang</b> Zunyi Normal University, China	A Two-Photon Fluorescence Probe for Zinc Ions in Live Cells and Tissues with Large Two-Photon Action Cross Section
<b>Boris Minaev</b> Bohdan Khmelnytsky National University, Ukraine	Theory and Calculation of the Phosphorescence Phenomenon



<b>Christo Boyadjiev</b> Bulgarian Academy of Sciences, Bulgaria	Reaction Kinetics in Chemical Engineering
<b>TURCU Carmen Veronica</b> Politehnica University of Bucharest, Romania	Influence of organic additives on rheological properties of some drilling muds
<b>Musa M. Musa</b> King Fahd University of Petroleum and Minerals, Saudi Arabia	Deracemization and Stereo-inversion of Secondary Alcohols Using a Single Enzymatic Approach
<b>Moustafa Khalifa</b> Ministry of Health, Kuwait	Analysis of three synthetic phosphodiesterase type -5( PDE-5) inhibitors and some of their analogues illegally adulterated in herbal products using High Performance liquid Chromatography –Photodiode Array combined with Electro-spray Ionization –Mass Spectrometry.
<b>Ahmed M Omer</b> SRTA-City, Egypt	Development of pH-sensitive microcapsules based-biopolymers as oral drug delivery system
<b>L. Azaroual</b> Abdelmalek Essaâdi University, Morocco	Development of new methods extraction and analysis for the determination of Aloin from Aloe Vera leaf
<b>M Sarojadevi</b> Anna University, India	Quinoline containing cyanate ester/epoxy blends and their properties
<b>D K Belsare</b> Bhopal University, India	Bioeconomic Perspectives for Sustainable Development of Melghat Region
<b>Annapurna Boruah</b> University of Petroleum and Energy Studies, India	Kerogen Kinetics and Current Trend in Pyrolysis of Gas Shales
<b>Tzu-Yu Tseng</b> Chung Yuan Christian University, Taiwan	Effect of Halogen Atom Substitution on the Luminescent Properties of Imidazole-based Materials
<b>Mahdi Hadi</b> Tofiq Daru Research & Engineering Company, Iran	The optimization of porous collagen Nano scaffold on cultured human chondrocytes in cartilage tissue engineering
<b>S. khamenehasl</b> University of Tabriz, Iran	Synthesis and photo electrochemical activity of Titanium dioxide / Copper oxide / graphene Nano composites

**H Saiah**

Hassiba Benbouali University

Identification and wound healing activity of polyphenols extracted from Jujube leaves with high-performance liquid chromatography coupled with mass spectrometry detection (HPLC-PDA-ESI-MS) high-performance liquid chromatograph

**Nezha Sekkal-Taleb**

University of Djillali Liabes of Sidi bel Abbas

A docking molecular calculations on D - Mannose for the treatment of urinary infection caused by e-Coli bacteria

**S Brahim**

University of Saida

Computational Study of the Electronic Absorption Spectra of Ni(II), Pt(II) and Pd(II) Photosensitizers Complexes Used in Sensitized Solar Cells (DSSC).

**S.M.L. Seddiki**

University center of Naâma

Biofilm formation and resistance of emerging strains of *Candida nonalbicans* to conventional antifungal agents

**Nadia Benzidane**

Setif 1 University

In Vitro Bronchorelaxant Effects of *Capparis Spinosa* Aqueous Extracts on Rat Trachea

**A A Motallebi Moghanchoghi**

Islamic Azad University

Isolation and identification of antibacterial steroid compounds from *Ulva fasciata* in the Persian Gulf

**Pourya Zarshenas**

Shahid Beheshti University

A Triazol containing Uio-type metal-organic framework as highly efficient CO<sub>2</sub> capture and catalytic conversion

**R A Yossa Kamsi**

University of yaounde

Computational study of reactivity and solubility of Rubescin D and E molecules in gas phase and in solvent media using Hartree-Fock and DFT methods

**Topwe Milongwe Mwene-Mbeja**

University of Lubumbashi

Enzymatic reactions in the production of biomethane from organic waste

**Amina Boussadia**

University Oran1 Oran, Algeria

*Salvia officinalis* treatment on Aluminum induced neurotoxicity



*Contact Us*

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**SPEAKER  
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ATTENDING A CONFERENCE ISN'T ALL ABOUT LEARNING AND NETWORKING

## DISCOVERING

A NEW PLACE , PEOPLE AND CULTURE

A right choice of conference destination is an important aspect of any international conference and keeping that in consideration, Euro Chemistry 2020 is scheduled in the Beautiful city "Paris".



Avenue des Champs Élysées



Bustling Boulevards and  
Legendary Cafés



Cathédrale Notre Dame de



Arc de Triomphe



Eiffel Tower



Luxembourg Gardens



Musical Concerts at  
Sainte Chapelle



Musée d'Orsay



Musée du Louvre



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