

Theme

“Chemical innovations that will change the modern world: Current trends, education and future research opportunities”.

? 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

3rd Advanced Chemistry World Congress

March 21-22, 2022

London, UK

Adv. Chemistry 2022

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 Colleagues, Researchers, Chemical & Drug Designers and Engineers, Entrepreneurs, Friends,

It gives us a genuine pleasure to extend greetings to everyone attending **3rd Advanced Chemistry World Congress** planned to be held on **March 21-22, 2022** in **London, UK** and to underline how the themes reported in the title represent a key background and a promising input to develop novel fundamental, environmentally friendly industrial, phenomenal medical and unique economic processes.

This monumental event features lots of opportunities to network with partners from the entire world in an exciting environment whilst sensing an explosive burst in global chemistry, chemical design & engineering, and translational applications to make innovative and upgraded strategic alliances to secure our environment to be more productive but absolutely clean!

We express the hope that the Congress will allow us to hold a fruitful discussion and exchange our views on important aspects of basic, applied and translational chemistry. The latter will gift cross-disciplinary benefit to the inventors in the field. We wish stronger collaboration between Academia, professional Communities, Business and Industry accenting on the interdisciplinary approaches across different research fields and application products.

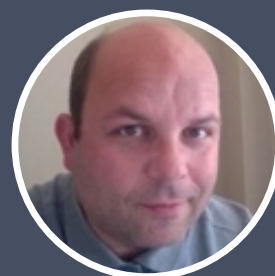
The Congress will provide an excellent opportunity for all delegates to present their research while sharing knowledge in a wide scope of areas of Science and Technology and the ideal forum to stimulate ideas and establish collaborations as well as to initiate intense discussions to secure projects of the newest generations and to feature a highly interactive, stimulating and multidisciplinary Program.

We hope that you will be able to get some glimpses of the greatest Berlin and hope also that your interaction with your colleagues will induce a creative exchange of ideas and will be personally rewarding!



Sergey Suchkov

Professor, Director,
Center for Personalized Medicine,
Sechenov University, Moscow, Russia



Andrew Miller

Director, the EU-funded Project FIT, Brussels, EU;
Professor of The Veterinary Research Institute in Brno,
Czech Republic; the Director of The Imperial College
Genetic Therapies Centre and Professor at King's College
London; CSO of KP Therapeutics Ltd, London, UK

KEYNOTE SPEAKER



Steven J Soldin

National Institutes of Health, USA

Title: The role of mass spectrometry in optimizing the diagnosis and management of thyroid and adrenal diseases

KEYNOTE SPEAKER



Michael Vigdorowitsch

Angara GmbH, Germany

Title: Adsorbate lateral interactions at patchwise topology: The lambert overall isotherms

KEYNOTE SPEAKER



Sergey Suchkov

Sechenov University, Russia

Title: Personalized and Precision Medicine (PPM) as a unique healthcare model to be set up via biodesign and translational applications and upgraded business modeling to secure the human healthcare, wellness and biosafety

KEYNOTE SPEAKER



Ermelinda Falletta

University of Milan, Italy

Title: Polyaniline: advances in synthesis and environmental applications

Featured **SPEAKERS**



Steven J Soldin
National Institutes of
Health, USA



Dhanush Haspula
National Institute of
Diabetes and Digestive
and Kidney Diseases, USA



Neal Langerman
Advanced Chemical
Safety, USA



Sahar Eshghjoo
Texas A&M University,
USA



Fabian Castro Herbert
The University of Texas at
Dallas, USA



Grigorios Panagakos
University of Pittsburgh,
USA



Sergey Korolev
Lomonosov Moscow State
University, Russia



Tatyana V Leshina
Voevodsky Institute of
Chemical Kinetics and
Combustion SB RAS,
Russia



M A Petrulin
Russian Academy of
Sciences, Russia

Featured **SPEAKERS**



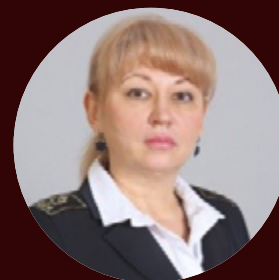
Aigul Malmakova

A.B. Bekturov Institute of
Chemical Sciences
Russia



Sergey Suchkov

Sechenov University,
Russia



Olga Cheremisina

Saint-Petersburg Mining
University, Russia



Evgenii Krasikov

National Research Centre
"Kurchatov Institute",
Russia



Fang Xia

Murdoch University,
Australia



Michael

Vigdorowitsch
Angara GmbH, Germany



Carla Sardo

University of Salerno
Italy



Ermelinda Falletta

University of Milan
Italy



Francesca Ghirga

Sapienza University of
Rome, Italy

Featured **SPEAKERS**



J. P. Lukaszewicz
Nicolaus Copernicus
University, Poland



Vakhtang Barbakadze
Tbilisi Medical University
I.Kutateladze Institute
of Pharmacochimistry,
Georgia



Matthias Harder
Leopold-Franzens
University of Innsbruck,
Austria



Klara Anna Mocova
University of Chemistry
and Technology Prague,
Czech Republic



Filip Mamon
Czech Academy of
Sciences, Czech Republic



Jakub Mares
Czech Academy of
Sciences
Czech Republic



Pavel Dohnalek
Heyrovsky Institute of
Physical Chemistry of
the Czech Academy of
Sciences, Czech Republic



Georgia Kythreoti
National Centre for
Scientific Research
"Demokritos", Greece



Andrea Olmos
University of Valencia,
Spain

Featured **SPEAKERS**



Peter Dobosy
Danube Research
Institute, Hungary



Gisele A B Mello
Federal University of
Western Para, Brazil



**Orlando Elguera
Ysnaga**
University of Sao Paulo
(IQSC-USP), Brazil



Konstantin Chakalov
Terra Power LTD, Bulgaria



Lukas Kolaric
Slovak University of
Technology, Slovakia



Ivan Kron
PJ Šafárik University,
Slovakia



Cristina Mariana Uritu
“Grigore T. Popa”
University of Medicine and
Pharmacy, Romania



Raluca Ica
National Institute for
Research and Development
in Electrochemistry
and Condensed Matter,
Romania



Alina Diana Zamfir
National Institute for
Research and Development
in Electrochemistry
and Condensed Matter,
Romania

Featured **SPEAKERS**



Mirela Sarbu

National Institute for
Research and Development
in Electrochemistry
and Condensed Matter,
Romania



Ioana Dorina Vlaicu

National Institute of
Materials Physics,
Romania



Christo Boyadjiev

Bulgarian Academy of
Sciences, Bulgaria



Karmen Margeta

University of Zagreb,
Croatia



Aymen Alsuwailem

Prince Sultan Cardiac
Centre, Saudi Arabia



Areej Hashim Elamin

United Arab Emirates
University, UAE



Yanan Sun

Tianjin University, China



Zedong Lin

Renmin University of
China, China



Juan Ren

Xi'an Jiaotong University,
China

Featured **SPEAKERS**



Jing Guang Fan
National Center for
Occupational Safety and
Health, China



Wenwang Wei
Guangxi University
China



Madiha Ahmed
Lanzhou University
China



Nobuo Shimamoto
National Institute of
Genetics, Japan



Basem Mansour
Delta University for
Science and Technology,
Egypt



Ahmed Mohamed El-Baz
Delta University for
Science and Technology,
Egypt



Layla S Tawfeek
Cairo University, Egypt



Nesrin Morsy
National research Centre,
Egypt



**Basavaraj
Padmashali**
Rani Channamma
University, India

Featured **SPEAKERS**



Hunain Ali
University of Karachi,
Pakistan



**Swapan Kumar
Bhattacharya**
Jadavpur University, India



Shraddha Pandit
CSIR-Indian Institute of
Toxicology Research,
India



Prakrity Singh
SIR-Indian Institute of
Toxicology Research,
India



Elena Krupa
Institute of Zoology,
Kazakhstan



Koshetova Kaz
A.B. Bekturov Institute
of Chemical Sciences,
Kazakhstan



Yahdiana Harahap
Univeristy of Indonesia,
Indonesia



Kehinde O Okonjo
University of Ibadan,
Nigeria



Belkacem Merzouk
University of M'sila,
Algeria

Featured **SPEAKERS**



Houssyen Yousfi

Laboratory of Theoretical
Computational Chemistry
and Photonics (LCTCP),
Algeria



Bikele Mama Desire

Director, University of Douala,
Cameroon



Mohammed Hawash

An- Najah National
University, Palestine



Badral Gansukh

Mongolian University of
Science and Technology,
Mongolia



Faryal Idrees

The University of the
Punjab, Pakistan



Zvonimir Glasnovic

University of Zagreb,
Croatia

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.

NO SECRET IS SAFE SHARE YOUR RESEARCH

<https://advanced-chemistry.peersalleyconferences.com/>

TIME TO
CONNECT
WITH YOUR
PEERS



Register & Participate

in

ADV. CHEMISTRY
2022

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

MONDAY, MARCH 21, 2022

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

TUESDAY, MARCH 22, 2022

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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Contact us: adv.chemistry@speakerscouncil.org

Featured Speakers

Presentation Titles

Dhanush Haspula

National Institute of Diabetes
and Digestive and Kidney
Diseases, USA

Biochemical insights into diet-induced vascular complications
in diabetes

Neal Langerman

Advanced Chemical Safety,
USA

Hazardous waste mismanagement causes injuries and spill

Sahar Eshghjoo

Texas A&M University, USA

Impact of sex hormones on Brain and Colon Cancer

Fabian Castro Herbert

The University of Texas at
Dallas, USA

Stabilization of supramolecular membrane protein-lipid
bilayer assemblies through immobilization in a crystalline
exoskeleton

Grigorios Panagakos

University of Pittsburgh, USA

Hollow fiber membrane contactors for post-combustion
carbon capture: A review of modeling approaches

Sergey Korolev

Lomonosov Moscow State
University, Russia

Novel synthetic inhibitor of Ku/DNA interaction helps to
reveal the mechanism of Ku-mediated regulation of HIV-1
transcription

Tatyana V. Leshina

Voevodsky Institute of
Chemical Kinetics and
Combustion SB RAS, Russia

Using model linked systems to study the role of chirality in the
electron and energy transfer in biologically relevant processes

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Adv. Chemistry 2022

**SPEAKER SLOTS
AVAILABLE**

M.A.Petrunin Russian Academy of Sciences, Russia	Formation of surface self-assembled organosilicon nanolayers on carbon steel and its effect on electrochemical and corrosion behavior of the metal
Aigul Malmakova A.B. Bekturov Institute of Chemical Sciences, Russia	Personalized and precision medicine (ppm) as a unique healthcare model to be set up via biodesign and translational applications and upgraded business modeling to secure the human healthcare, wellness and biosafety
Sergey Suchkov Sechenov University, Russia	Personalized and Precision Medicine (PPM) as a unique healthcare model to be set up via biodesign and translational applications and upgraded business modeling to secure the human healthcare, wellness and biosafety
Olga Cheremisina Saint-Petersburg Mining University, Russia	Solvent and solid phase extraction of rare-earth elements with di-2-ethylhexylphosphoric acid
Evgenii Krasikov National Research Centre Kurchatov Institute, Russia	Discovery of the oscillations in the RPV steel radiation embrittlement kinetics as an indication of nanostructure self-organizing
Fang Xia Murdoch University, Australia	Elucidating leaching mechanism for sustainable metal extraction from sulfide ore minerals
Carla Sardo University of Salerno, Italy	Inulin, a natural functionalizable PEG?
Ermelinda Falletta University of Milan, Italy	Polyaniline: advances in synthesis and environmental applications
Francesca Ghirga Sapienza University of Rome, Italy	Resorc[4]arene-based site directed immobilization of antibodies for immunosensors development
J. P. Lukaszewicz Nicolaus Copernicus University, Poland	Synthesis of 3D structured Graphene-based structures from stacked or electrically exfoliated graphene flakes
Vakhtang Barbakadze Tbilisi Medical University I.Kutateladze Institute of Pharmacochemistry, Georgia	Poly(sugar acid): novel acidic polysaccharide poly[3-(3,4-dihydroxyphenyl)glyceric acid] from medicinal plants of Boraginaceae family, its synthetic analogues and their comparative anticancer efficacy

Matthias Harder Leopold-Franzens University of Innsbruck, Austria	Ionic Liquids: Unique extraction solvents for analytical sample preparation
Klara Anna Mocova University of Chemistry and Technology Prague, Czech Republic	Wood Leachates and Their Ecotoxicological Impact on Aquatic Environment
Filip Mamon Czech Academy of Sciences, Czech Republic	1D and 2D hybrid plasmonic-photonic structures based on Cu-doped TiO ₂
Jakub Mares Czech Academy of Sciences, Czech Republic	A surface patterning of 2DTiO ₂ with nanocavities - application in methyl-parathion photomineralization
Pavel Dohnalek Heyrovsky Institute of Physical Chemistry of the Czech Academy of Sciences, Czech Republic	Innovative photoactive admixtures for concrete and cement-based plaster finishes, to create self-cleaning surfaces
Georgia Kythreoti National Centre for Scientific Research Demokritos, Greece	Identification and characterization of volatile allosteric antagonists of mosquito odorant receptors
Andrea Olmos University of Valencia, Spain	Rediscovering the synthesis of alkyltrispyrazolylborates
Peter Dobosy Danube Research Institute, Hungary	Effect of irrigation water containing iodine on the plant physiological processes and elemental concentrations of different vegetables
Gisele A. B. Mello Federal University of Western Para, Brazil	The structure-reactivity relationship of Pt surface sites towards the glucose electro-oxidation in neutral solution
Orlando Elguera Ysnaga University of Sao Paulo (IQSC-USP), Brazil	Qualitative and semiquantitative determination of bromine in hybrid hydroxyurethanes-poly(dimethylsiloxane) films containing phosphotungstates ([PW ₁₂ O ₄₀] ³⁻)
Konstantin Chakalov Terra Power LTD, Bulgaria	Unusual utilization of clinoptilolite and lignite in ecology and agriculture in Bulgaria – Review
Lukas Kolaric Slovak University of Technology, Slovakia	Cholesterol removal in milk by beta-cyclodextrin: The effect of processing conditions

Ivan Kron PJ Šafárik University, Slovakia	Extraction and antioxidant properties of second metabolites of (medicinal) plants-review
Mirela Sarbu National Institute for Research and Development in Electrochemistry and Condensed Matter, Romania	Ion mobility mass spectrometry reveals the complexity of ganglioside structures expressed in human cerebrospinal fluid
Ioana Dorina Vlaicu National Institute of Materials Physics, Romania	ROS production and dna damage induced by tailored mn-doped zno nanoparticles in murine fibroblast cells
Karmen Margeta University of Zagreb, Croatia	How to stop climate change?
Aymen alsuwailem Prince Sultan Cardiac Centre, Saudi Arabia	HPLC-Fluorescence method for the enantioselective analysis of propranolol in rat serum using immobilized polysaccharide-based chiral stationary phase
Areej Hashim United Arab Emirates University, UAE	Use of triphenylphosphine-bromotrichloromethane ($\text{pph}_3\text{-brcc}_3$) in the preparation of acylhydrazines, n-methylamides, anilides and n-arylmaleimides from carboxylic acids
Yanan Sun Tianjin University, China	Functional expression of all human sulfotransferases in fission yeast, assay development, and structural models for SULT4A1 and SULT6B1
Zedong Lin Renmin University of China, China	Extraction technique of trap states based on transient photovoltage measurement
Juan Ren Xi'an Jiaotong University, China	Long noncoding RNA sngh7 is activated by sp1 and exerts oncogenic properties by interacting with ezh2 in ovarian cancer
Jing Guang Fan National Center for Occupational Safety and Health, China	A supramolecular probe of cyanine dye for Pb^{2+} detection based on the recognition of a G-quadruplex from DNA duplexes
Wenwang Wei Guangxi University, China	Spectroscopic ellipsometry characterization of be-implanted gan epilayer: effect of thermal annealing on optical properties
Basem Awad Mansour Mohamed Delta University for Science and Technology, Egypt	Back to nature: Combating Candida albicans biofilm, phospholipase and hemolysin using plant essential oils
Ahmed Mohamed El-Baz Delta University for Science and Technology, Egypt	Back to nature: Combating Candida albicans biofilm, phospholipase and hemolysin using plant essential oils

Layla S Tawfeek Cairo University, Egypt	Phytochemical screening and antioxidant activity of some medicinal plants' crude juices
Nesrin Morsy National research Centre, Egypt	Design, synthesis, double effect as antimicrobial-anti-inflammatory and molecular docking of some new thienopyrimidinone glycosides derivatives
Basavaraj Padmashali Rani Channamma University, India	Cytotoxicity and antimycobacterial properties of pyrrolo[1,2-a]quinoline derivatives: Molecular target identification and molecular docking studies
Hunain Ali University of Karachi, Pakistan	Anticancer Furan-Conjugated Tripeptides
Shraddha Pandit CSIR-Indian Institute of Toxicology Research, India	Assessment of DNA-damaging potential of quinones of bisphenol analogues: Quantum mechanics and molecular dynamics based approaches
Prakrity singh CSIR-Indian Institute of Toxicology Research, India	In silico toxicity assessment of emerging fire resistant chemical released from e-waste materials
Elena Krupa Institute of Zoology, Kazakhstan	Methodological approaches to the assessment of toxic pollution of fresh waters in arid climate
Koshetova Kaz A.B. Bekturov Institute of Chemical Sciences, Kazakhstan	Synthetic search of hemostimulators in a family of novel 3,5-diarylidene-piperidin-4-one derivatives
Yahdiana Harahap University of Indonesia, Indonesia	Bioanalytical method validation of acrylamide and glycidamide in dried blood spot using ultra high performance liquid chromatography tandem mass spectrometry
Kehinde O. Okonjo University of Ibadan, Nigeria	Reaction of Ellman's reagent with liganded hemoglobins in the R and R2 quaternary state: Inositol hexakisphosphate produces different effects on their affinity and kinetics
Belkacem Merzouk University of M'sila, Algeria	Effect of Opuntia ficus-indica mucilage on the treatment of a textile wastewater by Coagulation-flocculation
Houssyen Yousfi Laboratory of Theoretical Computational Chemistry and Photonics (LCTCP), Algeria	Distinct molecular formation in laser-induced carbon plasmas in air
Bikele Mama Desire Desiré University of Douala, Cameroon	DFT/B3LYP and bp86 examination of mononuclear half-sandwich η^7 metallo drug complexes based on n o dendritic scaffolds

Mohammed Hawash An- Najah National University, Palestine	Molecular docking, Design, Synthesis and Biological Evaluation of Novel Benzodioxole Derivatives on Various Biological targets
Badral Gansukh Mongolian University of Science and Technology, Mongolia	Design and synthesis of halogenated bis(imino)pyridyl chromium(III) complexes and their ethylene polymerization behavior
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In Vitro Bronchorelaxant Effects of *Capparis Spinosa* Aqueous Extracts on Rat Trachea

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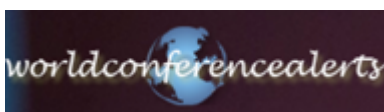
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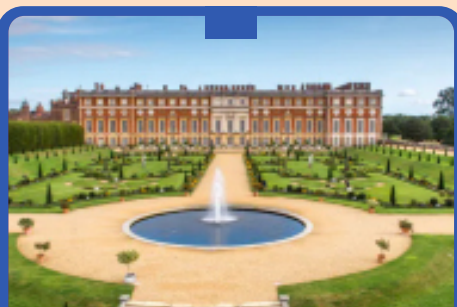
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