

8th World Chemistry Conference and Exhibition

June 23 - 24, 2025
at Prague, Czech Republic *(Hybrid Event)*

Website: <https://worldchemistry.org/> | **Email:** Alex_greenSPAN@worldchemistry.org



Venue: Hotel Duo

Address: Teplická 492, 190 00 Prague 9, Czech Republic

Day
1

MONDAY

8th World Chemistry Conference and Exhibition

June 23 - 24, 2025 at Prague, Czech Republic

Meeting Hall: Paris

Registrations Open (08:30-09:00)

Opening Ceremony (09:00-09:20)

Moderator: Aynur Naghizade, *University of Strasbourg, France*

KEYNOTE TALKS

Stefan Stolte,
*Dresden University of Technology,
Germany*

09:20-09:50

**Environmental Impact Assessment of
Chemicals - Towards more sustainable
energy carrier**

Chrysostomos Chatgililoglu,
Adam Mickiewicz University, Poland

09:50-10:20

**Oxidative DNA damage: Mechanistic
and diagnostic insights of the purine
lesions**

Heinz Langhals,
LMU University of Munich, Germany

10:20-10:50

**From close to far and further to very
far noncovalent molecular interactions
until more than 100 nm**

Group Photo & Refreshment Break (10:50-11:10)

Scientific Session I

Session Chairs: Chrysostomos Chatgililoglu, *Poland* & Andreas Roodt, *South Africa*

Franz-Josef Meyer-Almes,
*Darmstadt University of Applied
Sciences, Germany*

11:10-11:30

**Hightthroughput assay for classification
of histone deacetylase inhibitors**

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Polya Mihaylova Miladinova,
*University of Chemical Technology
and Metallurgy, Bulgaria*

11:30-11:50

Synthesis and application of new bis-
fluorescent dyad systems with high
light stability

Aynur Naghizade,
University of Strasbourg, France

11:50-12:10

Temporal Variation of Tire Wear Particles
in Ambient Air: Development of Analytical
Techniques and Investigation of Seasonal
Trends in Airborne Particulate Matter

Andreas Roodt,
*University of the Free State, South
Africa*

12:10-12:30

Why is it (still) important in
Coordination Chemistry to understand
kinetic principles and do (complete)
kinetic-mechanistic studies?

Yi Zhang,
Guangdong Ocean University, China

12:30-12:50

Anti-neurodegenerative Marine Natural
Products from Marine Fungi and Sea-
weeds

Roccaldo Sardella,
University of Perugia, Italy

12:50-13:10

Enantioseparation studies in phytocanna-
binoids research

(13:10-14:00) Lunch Break @ Restaurant

Scientific Session II

Session Chairs: Roccaldo Sardella, *Italy* & Stefan Stolte, *Germany*

Homa Azizian,
*Iran University of Medical Sciences,
Iran*

14:00-14:20

Design, synthesis, in vitro, and in silico
investigations of new barbituric acid-
hydrazone-chalcone derivatives as
promising H. Pylori urease inhibitors

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Lilla Nánai,
University of Miskolc, Hungary

14:20-14:40

Growth of vertically aligned carbon nanotubes on conductive substrate influenced by various quality of support and various thickness of bimetal catalyst layers

Seyedeh Sara Mirfazli,
Iran University of Medical Sciences-School of Pharmacy, Iran

14:40-15:00

Synthesis, biological evaluation and molecular modeling studies of methyl indole-isoxazole carbohydrazide derivatives as multi-target anti-Alzheimer's agents

Kamila Lupinska,
Wroclaw University of Science and Technology, Poland

15:00-15:20

Influence of different electron-acceptor groups on Real-Time Photoisomerization and Structural Changes in furan-based D- π -A Compounds

Claudia Marín,
Universidad de Lleida (UdL), Spain

15:20-15:40

Water retention additives for a drier world: Green roofs and hydrogels

Refreshment Break(15:40-15:50)

Eunsang Kwon,
Tohoku University, Japan

15:50-16:10

Structural Analysis and Key Properties of Metal-ion Endohedral [C60] Fullerenes

Wolfgang Quapp,
Leipzig University, Germany

16:10-16:30

Potential Energy Surfaces, Newton Trajectories and Catch Bonds in Theoretical Chemistry

Othmane Essahili,
Mohamed 6 Polytechnic University UM6P, Morocco

16:30-16:50

Photoluminescence lifetime stability studies of β -diketonate europium complexes based phenanthroline derivatives in Luminescence Solar Concentrators LSCs films

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Bader Alqahtani,
Saudi Aramco, Saudi Arabia

16:50-17:10

**Impact of Acidic Gases on Stainless
Steel Coupons: An Experimental
Investigation**

Poster Presentations (17:10-17:50)

Poster Judge: Stefan Stolte, *Dresden University of Technology, Germany*

Lubomir Evstatiev Makedonski,
Medical University - Varna, Bulgaria

WCCE-I

**Biological activities and chemical
composition of Bulgarian oil of oregano
(*Origanum vulgare*)**

Krastena Todorova Nikolova,
Medical University - Varna, Bulgaria

WCCE-II

**Study on the kinetic parameters of drying
fruit bars from blue plums with an addition
of freshwater algae**

Seongbin Jeon,
*KATRI Testing and Research Institute.
South Korea*

WCCE-III

**Development of testing methods
for accurate measurement and
international standardization of
quinoline compounds in textile
products**

Mark Tristan J. Quimque,
*Mindanao State University - Iligan
Institute of Technology, Philippines*

WCCE-IV

**Design, synthesis, and in silico
evaluation of indole-based alkaloids
as potential agents against metabolic
diseases**

Ahmed Hemdan,
Kuwait University

WCCE-V

**TLC vs. HPLC: A green comparison for
veterinary drug analysis**

Pannel Discussions

Virtual Scientific Program

CET ZONE



Join Zoom Meeting



Meeting ID: 881 4730 9213

Passcode: 221866

<https://us02web.zoom.us/j/88147309213pwd=XS40hJGbphO2LTau5xS2x7dv8Zov7T.1>

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TUESDAY

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Virtual Session Time Zone - (CET)

Xiangdong Hu,
Northwest University, China

11:00-11:20

Developing synthetic tools through total
synthesis of natural products

Hans-Uwe Dahms,
Kaohsiung Medical University, Taiwan

E-Poster
11:20-11:35

Evaluation of antibiofilm and antibacterial
properties of selenium nanoparticles
(SeNPs) conjugated with bacterial
exopolysaccharides (SeNPs-EPS)
isolated from a marine hydrothermal
vent associated actinomycete strain
Pseudonocardia alni

Muhammad Bilal Khan,
*Kaohsiung Medical University,
Taiwan*

E-Poster
11:35-11:50

Enhanced Antibacterial and Antibiofilm
Activity of N-Doped Graphene Quantum
Dots: Synthesis, Characterization and
Mechanisms

Akram.Fallah,
*Traditional Medicine of Iran in
Tehran University, Iran*

11:50-12:10

Placebo-controlled effect of topical Qust
(*Costus*) oil on postmenopausal women's
sexual desire disorder: a double-blind,
randomized clinical trial

Igor Romanskii,
*Institut Himiceskoj Fiziki Imeni
N N Semenova RAN RUSSIAN
FEDERATION, Moscow,
Russia*

12:10-12:30

CH₄+OH

Volodymyr Maslyuk,
*Institute of Electron Physics (IEP) of
NASU, Ukraine*

12:30-12:50

The physical - chemical and biological
properties of water and aqueous
solutions of alcohol under the nuclear
irradiation

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Urte Prentice,
*State Research Institute Center for
Physical Sciences and Technology,
Lithuania*

12:50-13:10

Optimizing T7 DNA polymerase
immobilization for reusable biosensors:
QCM monitoring for sustainable DNA
analysis

Anna Olejnik,
Adam Mickiewicz University, Poland

13:10-13:30

High molecular weight UV filters based
on modified octaspherosilicates: a novel
strategy for safe sunscreen formulations

Spyridon Mourtas,
University of Patras, Greece

13:30-13:50

The use of solid-phase synthesis in the
development of 2-benzothiazolyl amino
acids and peptides

Marco Chiarini,
University of Teramo, Italy

13:50-14:10

Multicomponent access to imidazolidin-
5-ones derivatives by Ugi 4-CR/Pictet-
Spengler reaction sequence: A synthetic and
mechanistic investigation

Ernst Wagner,
*Ludwig-Maximilians-
Universität(LMU) München,
Germany*

(Keynote)
14:10-14:40

RNA delivery – A chemical evolution
approach

Sidharth Menon,
University College Cork, Ireland

14:40-15:00

Pharmacophore modelling and molecular
dynamics simulation to identify novel
molecules targeting catechol-O-
methyltransferase and dopamine D3
receptor to combat Parkinson's disease

Christine VIDELOT- ACKERMANN,
CNRS, France

15:00-15:20

Investigations the photostability of
Y-series electron acceptors from small
molecules to polymers for OPV

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Almudena Benítez, <i>Universidad de Córdoba, Spain</i>	15:20-15:40	From Agro-Industrial Waste to Energy Storage: Sustainable Electrodes for Metal-Sulfur Batteries from Activated Carbons of Exhausted Olive Pomace
Hansi Martínez Alvarenga, <i>Universidad de Córdoba, Spain</i>	E-Poster 15:40-15:55	Valorization of alpeorujo through physico-chemical processes: biochar and activated carbon
María Del Carmen Gutiérrez Martín, <i>Universidad de Córdoba, Spain</i>	E-Poster 15:55-16:10	Valorization of Exhausted Olive Pomace through Biological Processes: Composting and Anaerobic Digestion
Enrique Jacobo Díaz-Montaña, <i>University of Seville, Spain</i>	16:10-16:30	Combined Analytical-Statistical Metrics/Strategy for the Quantification of Volatile Compounds in Oily Matrices
Abdelqader El Guerraf, <i>Hassan First University, Morocco</i>	16:30-16:50	Fractal copper-based porous semiconductors in polypyrrole nanocomposites for dual functionality in corrosion inhibition and spoilage detection
Zhou Sha, <i>Penn State University, United States</i>	16:50-17:10	Purinosomes spatially co-localize with mitochondrial transporters
Xiaoling Li, <i>University of the Pacific, United States</i>	17:10-17:30	3D Printing - A Path to Digital Pharmaceutical Product Development and Manufacturing
Closing Ceremony		

WE WISH TO SEE YOU AGAIN AT

9th World Chemistry Conference and Exhibition

June 24 - 25, 2026 at Barcelona, Spain

Website <https://worldchemistry.org/> Email: Alex_greenSPAN@worldchemistry.org

Venue: Alexandre Hotel Fira Congress

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