

# 8<sup>th</sup> World Chemistry Conference and Exhibition

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

Website: <https://worldchemistry.org/> | Email: [Alex\\_greenSPAN@worldchemistry.org](mailto:Alex_greenSPAN@worldchemistry.org)



Venue: Hotel Duo

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



Day  
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MONDAY

# 8<sup>th</sup> 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

**Highthroughput 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 Seaweeds**

**Roccaldo Sardella,**  
*University of Perugia, Italy*

**12:50-13:10**

**Enantioseparation studies in phytocannabinoids 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- $\pi$ -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  $\beta$ -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

CH<sub>4</sub>+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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<b>Urte Prentice,</b> <i>State Research Institute Center for Physical Sciences and Technology, Lithuania</i>	<b>12:50-13:10</b>	<b>Optimizing T7 DNA polymerase immobilization for reusable biosensors: QCM monitoring for sustainable DNA analysis</b>
<b>Anna Olejnik,</b> <i>Adam Mickiewicz University, Poland</i>	<b>13:10-13:30</b>	<b>High molecular weight UV filters based on modified octaspherosilicates: a novel strategy for safe sunscreen formulations</b>
<b>Spyridon Mourtas,</b> <i>University of Patras, Greece</i>	<b>13:30-13:50</b>	<b>The use of solid-phase synthesis in the development of 2-benzothiazolyl amino acids and peptides</b>
<b>Marco Chiarini,</b> <i>University of Teramo, Italy</i>	<b>13:50-14:10</b>	<b>Multicomponent access to imidazolidin- 5-ones derivatives by Ugi 4-CR/Pictet- Spengler reaction sequence: A synthetic and mechanistic investigation</b>
<b>Ernst Wagner,</b> <i>Ludwig-Maximilians- Universität(LMU) München, Germany</i>	<b>(Keynote) 14:10-14:40</b>	<b>RNA delivery – A chemical evolution approach</b>
<b>Sidharth Menon,</b> <i>University College Cork, Ireland</i>	<b>14:40-15:00</b>	<b>Pharmacophore modelling and molecular dynamics simulation to identify novel molecules targeting catechol-O- methyltransferase and dopamine D3 receptor to combat Parkinson's disease</b>
<b>Christine VIDELOT- ACKERMANN,</b> <i>CNRS, France</i>	<b>15:00-15:20</b>	<b>Investigations the photostability of Y-series electron acceptors from small molecules to polymers for OPV</b>

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**Almudena Benítez,**  
*Universidad de Córdoba, Spain*

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,**  
*Universidad de Córdoba, Spain*

**E-Poster**  
15:40-15:55

**Valorization of alpeorujo through physico-chemical processes: biochar and activated carbon**

**María Del Carmen Gutiérrez Martín,**  
*Universidad de Córdoba, Spain*

**E-Poster**  
15:55-16:10

**Valorization of Exhausted Olive Pomace through Biological Processes: Composting and Anaerobic Digestion**

**Enrique Jacobo Díaz-Montaña,**  
*University of Seville, Spain*

16:10-16:30

**Combined Analytical-Statistical Metrics/Strategy for the Quantification of Volatile Compounds in Oily Matrices**

**Abdelqader El Guerraf,**  
*Hassan First University, Morocco*

16:30-16:50

**Fractal copper-based porous semiconductors in polypyrrole nanocomposites for dual functionality in corrosion inhibition and spoilage detection**

**Zhou Sha,**  
*Penn State University, United States*

16:50-17:10

**Purinosomes spatially co-localize with mitochondrial transporters**

**Xiaoling Li,**  
*University of the Pacific, United States*

17:10-17:30

**3D Printing - A Path to Digital Pharmaceutical Product Development and Manufacturing**

**Closing Ceremony**

WE WISH TO SEE YOU AGAIN AT

# 9<sup>th</sup> World Chemistry Conference and Exhibition

June 24 - 25, 2026 at Barcelona, Spain

Website <https://worldchemistry.org/> Email: [Alex\\_greenSPAN@worldchemistry.org](mailto:Alex_greenSPAN@worldchemistry.org)

**Venue: Alexandre Hotel Fira Congress**

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L'Hospitalet de Llobregat, Barcelona, Spain*



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