

Joint Event

7th International Conference on
Chemistry
&
5th International Conference on
**Mass Spectrometry and
Analytical Techniques**

November 11-12, 2024
Barcelona, Spain

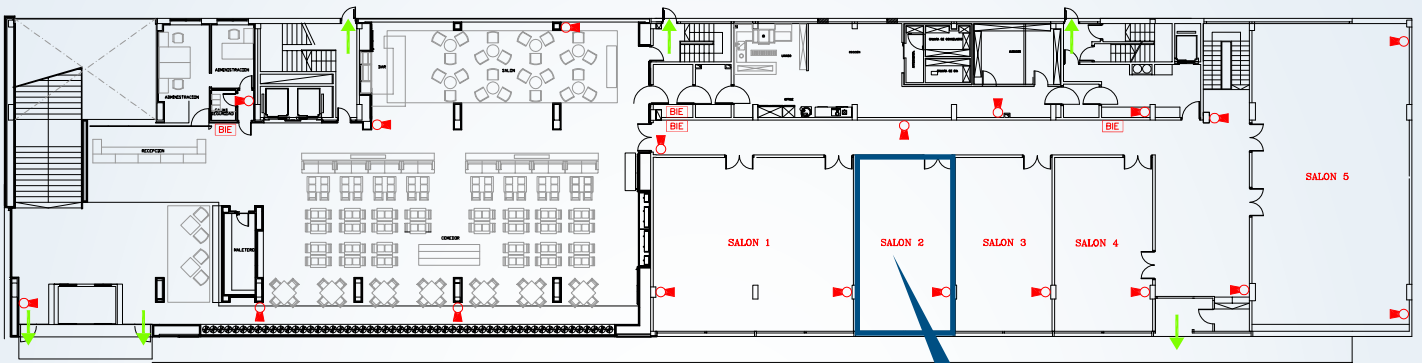


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Conference Hall



- SALIDA
- EXTINTOR
- PULSADOR DE ALARMA
- BOCA DE INCENDIOS

PLANTA BAJA

Conference Hall

7th International Conference on **Chemistry**

&

5th International Conference on

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Day 1 - November 11, 2024

Meeting Hall: Sala Forum B

09:00 - 09:45 Registrations

09:45 - 10:00 Introduction

Keynote Presentations

10:00 - 10:40 Designing Bimetallic Catalysts for Energy and Environment
Jaroslav Polanski, University of Silesia, Poland

10:40 - 11:20 Sustainable Transportations: Performance Additives for Lubricating Oil - Synthesis and Evaluation
Pranab Ghosh, University of North Bengal, India

Networking & Refreshments: 11:20 - 11:40 @ Foyer

11:40 - 12:20 Applications of Vanadium and Tantalum Single-Site Catalysts in Heterogeneous Catalysis
Stanislaw Dzwigaj, Sorbonne Universite, France

Oral Presentations

Session Chair: **Stanislaw Dzwigaj, Sorbonne Universite, France**

Session Chair: **Pranab Ghosh, University of North Bengal, India**

Sessions:

Mass Spectrometry Imaging | Mass Spectrometry in Proteome Research | UV, IR and Ion Spectroscopy | Mass Spectroscopy in Clinical Science | Organic and Inorganic Chemistry | Medicinal and Clinical Chemistry | Analytical and Surface Chemistry | Physical Chemistry | and Theoretical Chemistry | Biochemistry | Nano Chemistry

12:20 - 12:45 Characterization of Isolated Strains of Micro Organisms from Mineral Mountain and Spring waters from France, England, South Korea, Japan, The Netherlands and Bulgaria
Nedyalka Valcheva, Thrace University, Bulgaria

12:45 - 13:10 Vapour-Phase Condensation of Ethanol into 1-Butanol Over Mg-Al(-M) Oxide Catalysts (M: Y, La, Ce)
K.V.Valihura, Institute of Physical Chemistry of National Academy of Sciences of Ukraine, Ukraine

Group Photo: 13:10 - 13:20

Lunch 13:20 - 14:30 @ Restaurant

14:30 - 14:55 Native Electrospray Ionization Mass Spectrometry (ESI-MS) in the Assessment of Novel DNA Ligands
Alberto Ongaro, University of Padua, Italy

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Poster Presentations

14:55 - 15:15	Method Optimization to Analyse Organic Acids in Urine Samples by GC-MS in a Clinical Laboratory Laura Conesa, Vall d'Hebron Hospital, Spain
15:15 - 15:35	Profiling Polysorbate 80 Components Using Comprehensive Liquid Chromatography–Tandem Mass Spectrometry Analysis (LC-MS/MS) Yutaka Konya, Shimadzu Techno-Research, Japan
15:35 - 15:55	Sorption Activity of Surfactant Modified Natural Armenian Zeolites Regret to Metals Removal from Natural Aquatic Systems Alla Manukyan, Armenian National Agrarian University, Armenia
15:55 - 16:15	Induction Heating Catalysis in CO ₂ Methanation Tomasz Siudyga, University of Silesia, Poland

Networking & Refreshments 16:15 - 16:35 @Foyer

16:35 - 16:55	Assessment of Antioxidant Activity of Piperazine-1,3,5-Traizine Dual Agents for FAAH and 5-HT ₆ Serotonin Receptor Ligands Malgorzata Starek, Jagiellonian University Medical College, Poland
16:55 - 17:15	Comprehensive Procedure for Monitoring Environmental Hazards Resulting from Antibiotic Contamination Monika Dabrowska, Jagiellonian University Medical College, Poland
17:15 - 17:35	Biomimetic Spinning of Crosslinked and Functionalized Spider-Silk Proteins with Multiarm Polyethylene Glycol Viktors Romanuks, Latvian Institute of Organic Synthesis, Latvia
17:35 - 17:55	Characterization of Bacterial Strains Isolated from the hypothermal Spring "Kariera" in the Area of Yablkova Village, Dimitrovgrade Municipality, Haskovo Region, Bulgaria Denis Haralanov, Vocational High School, Bulgaria
17:55 - 18:15	Characterization of Bacterial Strains Isolated from the hypothermal Spring "Osmanova Chehma" in Yablkova District, Dimitrovgrade, Region Haskovo, Bulgaria Diyana Danailova, Vocational High School, Bulgaria
18:15 - 18:35	Database with Integrated Machine Learning Aided Catalyst Design Uladzislau Zhdan, University of Silesia, Poland

Day-1 Concludes followed by Award Certifications

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Virtual Presentations

Day-01 : November 11, 2024 (GMT)

10:00 - 10:15 **Introduction**

Presentations

10:15 - 10:40	Computer-Assisted Synthesis of Pyrrolo[4,3,2-de] Quinolinone Derivatives by Suzuki Coupling Barbara Bruni, Universidade de Lisboa, Portugal
10:40 - 11:05	Eco-Friendly Dishwashing Liquid from Orange and Banana Peels: A Sustainable Solution to Chemical Pollution Kairatova Elina Kairatovna, Nazarbayev Intellectual School in Direction of Chemistry and Biology, Kazakhstan
11:05 - 11:30	Environmental Justice in Industrial Cities: Addressing Health Inequalities in Atyrau, Kazakhstan Through Targeted Air Pollution Mitigation Symbat Bolatova, Nazarbayev Intellectual School in Direction of Chemistry and Biology, Kazakhstan
11:30 - 11:55	Design and Analysis of an Innovative Enzymatic-Filter (E.F) for Purifying Air Contaminated with Sulfur Dioxide (SO ₂) Zhanerke Yerbolatova, Nazarbayev Intellectual School in Direction of Chemistry and Biology, Kazakhstan
11:55 - 12:20	Study of Properties of Magnetized Water Amangeldy Nuriya, Nazarbayev Intellectual School in Direction of Chemistry and Biology, Kazakhstan
12:20 - 12:45	Possible Application of Quarks Muslim Zhasulanuly, Nazarbayev Intellectual School in Direction of Chemistry and Biology, Kazakhstan
12:45 - 13:10	Effective Adsorbent for Iron, Lead, Zinc Ions Alihan Doskaliev, Nazarbayev Intellectual School in Direction of Chemistry and Biology, Kazakhstan
13:10 - 13:35	AI-Optimized Algae Cultivation for Sustainable Biodiesel Production Sailau Adina Nurlankyzy, Nazarbayev Intellectual School in Direction of Chemistry and Biology, Kazakhstan
13:35 - 14:00	Magnetized Nanotechnology for Oil Spill Cleanup: Evaluating the Efficiency of Ferrofluid-Mediated Oil-Water Separation Andossova Aizere, Nazarbayev Intellectual School in Direction of Chemistry and Biology, Kazakhstan
14:00 - 14:25	Potential Application of Innovative Solid Waste Materials for Adsorptive Removal of Toxic Phenol from Wastewater for Ensuring Cleaner Environment and also for Generating Circular Economy Ashanendu Mandal, University of Calcutta, India

Day-1 Virtual Conference Concludes

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Day-02 : November 12, 2024 (GMT)

10:00 - 10:15 **Introduction****Presentations**

Natural Cleaner: Innovative Household ECO Detergent

10:15 - 10:40 **Amangoskyzy Ayaulym, Nazarbayev Intellectual School in Direction of Chemistry and Biology, Kazakhstan**

Sustainable Biofuel Production from Plant Waste via Secondary Processing Techniques

10:40 - 11:05 **Kenzhebai Adilbek Azamatul, Nazarbayev Intellectual School in Direction of Chemistry and Biology, Kazakhstan**

Microscale Evolution of Two LDPE Trilayer Films: Influence of Stabilizer Placement on Accelerated Aging Monitored by FTIR and UV Analysis

11:05 - 11:30 **Meriam Imane Babaghayou, Ecole Normale Supérieure Laghouat, Algeria**

Production of Environmentally Friendly Textile Fabrics from Banana Waste

11:30 - 11:55 **Al-Aziza Lukpanova, Nazarbayev Intellectual School in Direction of Chemistry and Biology, Kazakhstan**

Natural Sorbents Purification of Water from Chemical Contamination by Synthetic Detergents

11:55 - 12:20 **Gulziya Beisenbekova, Nazarbayev Intellectual School in Direction of Chemistry and Biology, Kazakhstan**

Natural Bark Fibers as Reinforcement in Polymer Composites: A Review of Characterization Techniques

12:20 - 12:45 **Sivasubramanian Palanisamy, PTR College of Engineering and Technology, India**

The Water Filter "AnsAqua"

12:45 - 13:10 **Kabelova Ansagan, Nazarbayev Intellectual School in Direction of Chemistry and Biology, Kazakhstan**

Land Restoration: Innovative Bioremediation using Indigenous Bacteria

13:10 - 13:35 **Dilnaz Nagim Nurzhankyzy, Nazarbayev Intellectual School in Direction of Chemistry and Biology, Kazakhstan**

Distinctive Properties of Non-Equilibrium Dynamic Plasmachemical Systems

13:35 - 14:00 **Daniil Tretiakov, Taras Shevchenko National University of Kyiv, Ukraine**

Exploring the Calming and Pain-Relief Effects of Plant-Derived Terpenes (Pdt): A Natural Approach to Therapeutics

14:00 - 14:25 **Aziza Abatova, Nazarbayev Intellectual School of Chemistry and Biology, Kazakhstan**

Thiazine 1,1-dioxide Derivatives as Potential Anticancer Agents

14:25 - 14:50 **Aleksandrs Pustenko, Latvian institute of organic synthesis, Latvia**

14:50 - 15:15	Discovery of Aromatic Sulfonamides as Potential Human Carbonic Anhydrase Inhibitors and its Emerging Role as Antiepileptic Agents Abha Mishra, National Institute of Pharmaceutical Education and Research, India
15:15 - 15:40	Determination of Perchlorate in Foodstuff Olga Pardo Marín, Universitat de València, Spain
15:40 - 16:05	The Use of Gas Discharge Imaging (Gdv), Spectrophotometry and Gc-Ms Methods to Study the Effect of Organic Fertilizers on the Quality of Leafy Vegetables Svetlana Motyleva, Strogoorganic Online Gardening School, Russia

Program Concludes followed by Vote of Thanks

