

## Scientific Program

6th Edition World Congress on

# Advanced Chemistry

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Room

08:30-09:30 Registrations

09:30-09:45 Opening Ceremony

Keynote Forum

09:45-10:20 **Title: Improving Data Acquisition Optimization in Oil and Gas Production: A Machine Learning Solution with Orthogonal Decision Trees**  
Alexander Tarakanov, National Research University Higher School of Economics, Russia

10:20-10:55 **Title: Engineering physics solves the problems of quantum mechanics**  
Bakhodir Tursunbaev, Tashkent State transport University, Uzbekistan

Refreshments Break @ 10:55-11:15

11:10-11:45 **Title: Sedimentary Facies Development and Stratigraphic Architecture of the Early Devonian Sediments in Western Libya**  
Milad BenRahuma, National Oil corporation, Libya

Speaker Session:

Session Chair: TBA

11:45-12:10 **Title: Experimental Study on Stress Corrosion Damage Detection of Horizontal Well Casing**  
Jing Sun, China University of Petroleum, China

12:10-12:35 **Title: Research on Stress Corrosion Simulation and Magnetic Memory Testing of Casing in CO2 Medium**  
Qian Chen, China University of Petroleum, China

12:35-13:00 **Title: Synthesis of Multi-metallic Nanocatalysts Using a Dendrimer Reactor**  
Kimihsa Yamamoto, Tokyo Institute of Technology, Japan

Lunch and Networking Break @ 13:00-13:45

13:45-14:10 **Title: Assessment of contact status of seal surface in premium connections based on phased array ultrasound testing**  
Chunmeng Tian, China University of Petroleum, China

14:10-14:35 **Title: Flash Synthetic Chemistry Guided by Flow Microreactor Research**  
Aiichiro Nagaki, Hokkaido University, Japan

14:35-15:00 **Title: Synergistic Solutions: Enhancing Visible Light Photocatalysis for Indoor Air Quality and Sustainable Energy Generation**  
Stefania Porcu, Dipartimento Di Fisica Universita Degli studi Di Cagliari, Italy

15:00-15:25 **Title: Challenges and Recent Advancements in Motion Control of Oil Well Drilling Rig**  
Amir Nobahar, Atilim University, Turkey

15:25-15:50 **Title: To Be Announced**  
Ricardo Garsed, Autonomous University of Madrid, Spain

15:50-16:15 **Title: Platinum Promoted Honeycomb Catalysts for Sulphuric Acid Manufacturing and Tail Gas Treatment in Complex Environments**  
Johannes Hofer, P&P Industries AG, Austria

Refreshments Break @ 16:15-16:35

16:35-17:00 **Title: An Evaluation of Metallic trace Elements by aerated Lagooning in an arid climate: The case of the Wastewater Treatment plant of the City of Errachidia, Morocco**  
Mohamed Ouhammi, Sidi Mohamed Ben Abdellah University, Morocco

17:00-17:25 Speaker Slot Available

17:25-17:50 Speaker Slot Available

Panel Discussions & B2B Meetings

Day 01 End | Closing Ceremony

09:30-09:45 : Introduction

Keynote Forum

- 09:45-10:20 **Title: Challenges in Engineering Design for Biodiesel Processing**  
Harry Ha, Fluor Canada Ltd, Canada
- 10:20-10:55 **Title: MXenes emergent materials for the adsorptive water treatment**  
Ali Ayati, ITMO University, Russia

Refreshments Break @ 10:55-11:10

- 11:10-11:45 **Title: Stability, oxidation, and CO<sub>2</sub> photo-reduction on sub-nanometric metal clusters: the paradigmatic Cu<sub>5</sub> case**  
Maria Pilar de Lara Castells, IFF-CSIC (Spanish National Research Council), Spain

Speaker Session

Session Chair: TBA

- 11:45-12:10 **Title: "Landfill leachate as an alternative water source for Alberta oil and gas development"**  
Roger Saint-Fort, Mount Royal University, Canada
- 12:10-12:35 **Title: Polyacrylamide Hydrogel Modification for Enhanced Temporary Oil and Gas Well Abandonment: Preparing for Future CO<sub>2</sub> Storage**  
Hamed Movahedi, Technical University of Denmark, Denmark
- 12:35-13:00 **Title: Phytoremediation of domestic-sewage followed by phycoremediation is a promising tool for remediation and resources recovery: A case study in India**  
Ajay Giri, Bundelkhand University, India

Lunch and Networking Break @ 13:00-13:45

- 13:45-14:10 **Title: Application of adsorption-coagulation-ultrafiltration-UV/O<sub>3</sub>/H<sub>2</sub>O<sub>2</sub>-distillation process for produced water discharge**  
Jie Yang, Technology Supervision Research Institute of Petro, China
- 14:10-14:35 **Title: Investigation of the cobalt doping-method on the activity of titanium dioxide in the CO<sub>2</sub> photoreduction process.**  
Konrad Sebastian Sobczuk, West Pomeranian University of Technology in Szczecin, Poland
- 14:35-15:00 **Title: The integration between global Hydraulic Elements Approach (Petro-typing) and Petrography to identify the best Intervals in the fluvial reservoir Sirte basin Libya**  
Noreddin Mousa, Petroleum Research center, Libya
- 15:00-15:25 **Title: The integration between Global Hydraulic Elements Approach (Petro-typing) and Petrography study in Nubian sandstone, Sirte basin Libya.**  
Giuma Maayouf, Petroleum Reserach center, Libya

15:25-15:50 **Speaker Slot Available**

Refreshments Break @ 15:50-16:10

16:10-16:35 **Speaker Slot Available**

16:35-17:00 **Speaker Slot Available**

Poster Presentation

- P101 **Title: Separation of Amino Acids in Ternary Solutions by Nanofiltration And Separation of Amino Acids in Ternary Solutions by Nanofiltration**  
Shirin Shahgodari, University of Barcelona, Spain
- P102 **Title: Human Errors & Cognitive Biases In NDE**  
Santosh Gupte, Fearnley Group, Malaysia
- P103 **Title: Geopolitical risks and energy security: implications for global oil and gas markets**  
Jackson Mpumpa, University of Dar es salaam, Tanzania
- P104 **Title: The potential biomass resources for a sustainable bioenergy planning in West Africa: insight from Niger**  
Hama Amadou Mounkaila, University of Abdou Moumouni, Niger
- P105 **Title: Effect of pet incorporation on the mechanical and physical properties of fiber cement boards**  
Seher Guduk, Gazi University, Turkey

Day 02 End | Closing Ceremony