

*2nd World congress on*

# CHEMISTRY

October 08-09, 2025 | Dubai, UAE



Hosting Organization: Inovine Meetings LLC, 2C Pecan Hill Drive Clinton  
Mississippi, 39056 USA | Phone: +1-408-648-2233

# Day 1

## Scientific Program

October 08, 2025 | Dubai, UAE  
Conference Hall : Al Majlis

09:00–09:15: Registrations

09:15–09:30: Opening Ceremony

### Keynote Presentations



09:30–10:10

**Title: Thermal Decomposition Behaviour of Ammonium Perchlorate/LaMn<sub>0.4</sub>Fe<sub>0.6</sub>O<sub>3</sub> Composition: An Artificial Neural Networking Investigation**

**Pragnesh N Dave**

Sardar Patel University, India



10:10–10:50

**Title: Nanotechnology Contributing to the Development of Sustainable Electrode Material(s) for the Fabrication of High Performance Aqueous Supercapacitor**

**Anil Kumar**

Indian Institute of Technology Roorkee, India

Group Photo | Coffee Break 10:50-11:10@ Foyer

### Oral Presentations

11:10–11:35

**Title: Poly(diureaphosphazene)-Alginate Hydrogels as Biodegradable Fertilizer-Release Systems for Sustainable Agriculture**

**Navinbhai Punambhai Chikhaliya**

Sardar Patel University, India

11:35–12:00

**Title: Catalytic Conversion of Crude Oil to Hydrogen by a One-step Process via Steam Reforming**

**Mohammed A. Albuali**

Saudi Aramco, Saudi Arabia

### Session Introduction

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## Tracks

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**Organic Chemistry | Green Chemistry | Nanomaterials | Polymer Chemistry |  
Chemoinformatics | Analytical Chemistry | Materials Science | Chemical Engineering  
| Molecular Modeling | Biochemistry | Biotechnology | Agricultural Chemistry |  
Biotechnology | Agriculture Chemistry | Physical Chemistry**

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**Session Chair: Pragnesh N Dave, Sardar Patel University, India**

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**12:00–12:25**

**Title: Fluorinated and Non-Fluorinated Silane-Treated Diatomaceous Earth  
for Water-Repellent Coatings**

**Helanka Perera**

Higher College of Technology, Dubai

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**12:25–12:50**

**Title: A New Approach for Statistical Quality Control Reference Samples:  
Application to Quality Assessment of Sodium sulfate in 50 % Caustic Soda**

**Abdallah Al-Abdallah**

SABIC Manufacturing Services, KSA

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## Lunch Break 12:50-13:50 @Crystal Restaurant

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**13:50–14:15**

**Title: Thermodynamic Properties of the Water/D-Sucrose/ $\text{NH}_4\text{H}_2\text{PO}_4$   
System at 298.15 K**

**El Fadel Wiam**

Mohammed V University in Rabat, Faculty of Sciences, Morocco

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**Panel Discussion & Certificate Felicitation**  
**Day –1 Ends**

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# Day 2

## Scientific Program

Virtual Mode Zoom Meeting  
(GMT+4) Time in Dubai

October 09, 2025 | Virtual

09:00–09:20	<b>Title: Cr(III)-crosslinker Nanocapsules Fabricated by Double Emulsion Method for Delayed Gelation in Secondary Flooding</b> <b>Jingyang Pu</b> China University of Petroleum, China
09:20–09:40	<b>Title: Photoaligned Azodye Nanolayers: New Material for Liquid Crystal Display and Photonics Devices</b> <b>Vladimir G. Chigrinov</b> Hong Kong University of Science and Technology, Hong Kong
09:40–10:00	<b>Title: Ferrate (Vi) Technology In Water And Wastewater Treatment</b> <b>Brij Bhushan Tewari</b> University of Guyana, Guyana
10:00–10:20	<b>Title: Enhancing Salt Tolerance in Tomato Crop Using Microbial Inoculants</b> <b>Hafiza Farhat</b> Gomal University, Pakistan
10:20–10:40	<b>Title: Correct Wound Dressing To Prevent Infection</b> <b>Afraa Talal Barzanji</b> Ministry of Health, Saudi Arabia
10:40–11:00	<b>Title: Yet to be Finalize.....</b> <b>Saima Farooq</b> University of Nizwa, Oman
11:00–11:20	<b>Title: Association between Metabolic Syndrome and APOA5 gene rs662799 and APOE 4(E4/E4) gene in obese patients</b> <b>Stanislav Alexandra Alina</b> County Emergency Hospital Giurgiu, Romania
11:20–11:40	<b>Title: Yet to be Finalise.....</b> <b>Sirma Todorova Angelova</b> Medical University-Varna, Bulgaria
11:40–12:00	<b>Title: Durable Polymer/Inorganic Nanocomposite Coatings as Highly-Protective Surfaces</b> <b>Shimaa Anwer Higazy</b> Egyptian Petroleum Research Institute, Egypt
12:00–12:20	<b>Title: Yearly recurrence of pulmonary tuberculosis in Mbujimayi central prison, Democratic Republic of the Congo</b> <b>Ngoyi Kashiba Zacharie Bukonda</b> National Pedagogical University, Democratic Republic of Congo

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12:20–12:40

**Title: Functional Characterization of Ruthenium Complexes for Catalytic Water Oxidation**

**Brinda K. Narayana**

Rensselaer Polytechnic Institute, USA

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12:40–13:00

**Title: On Characterization Hydrodynamic of a Mixed Flow Impeller by Particle Image Velocimetry Technique**

**David Israel Posadas Navarro**

Universidad Nacional Autónoma de México, Mexico

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## Panel Discussion

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