

Scientific Program

Joint Event On

Petroleum Engineering Material Chemistry **and** Nephrology

**Hotel Indigo Kuala Lumpur on the Park,
Kuala Lumpur, Malaysia | June 23–25, 2025**

Exhibitor



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SCIENTIFIC PROGRAM

DAY 01 - June 23, 2025
Kuala Lumpur, Malaysia

9:30 - 10:00 Registration and Opening Ceremony

Keynote Forum-1

10:00 - 10:45 **Lipidomic analysis reveals lipid alterations mediating clinical renal remission in response to voclosporin treatment in lupus nephritis.**

Farsad Afshinnia, *University of Michigan, USA*

10:45 - 11:30 **Platform chemicals from coffee cherry waste via hydrothermal valorization using organic and inorganic acids as homogenous catalysts**

Guerrero Fajardo Carlos, *National University of Colombia, Colombia*

Coffee Break and Networking 11:30 - 11:50

Oral Presentations

11:50 - 12:20 **Exploration play types of Madagascar: An overview**

Hoby RAHARISOLOFO, *OMNIS, Madagascar*

12:20 - 12:50 **Some aspects of the technical condition of heat exchangers in oil refining technology**

Viktoras Dorosevas, *Vilnius Gediminas Technical University, Lithuania*

12:50 - 13:20 **AI-Augmented biosensing with rhombic ring resonator in 2D photonic crystals for proteinuria detection**

Yashaswini P R, *Malnad College of Engineering Hassan, India*

Coffee Break and Networking 13:20 - 14:00

14:00 - 14:30 **Investigate the use of recycled waste plastics in improving the mechanical properties of bitumen binders for asphalt**

Yerzhan Imanbayev, *Institute of Combustion Problems, Kazakhstan*

14:30 - 15:00 **Photo electrocatalytic hydrogen production using petroleum vanadyl porphyrin catalysts**

Zhannur Myltykbayeva, *Al Farabi Kazakh National University, Kazakhstan*

15:00 - 15:30 **Different ways of valuing wastes production characterization and applications of valuable adsorbents**

Cansado Isabel, *University of Evora, Portugal*

15:30 - 16:00 **The effect of β -sitosterol against high-fructose diet-induced hepatorenal disturbances and oxidative stress, in growing female rats**

Nontobeko M. Gumede, *University of Pretoria, South Africa*

Coffee Break and Networking 16:00 - 16:10

16:10 - 16:40 **New composite materials based on ash microspheres and plastic derived from electronic waste**

Ruslan Sapinov, *D. Serikbayev East Kazakhstan Technical University, Kazakhstan*

16:40 - 17:10 **Assessment of the heat storage capacity of cement-based thermal energy storage systems**

Jose Luis Endrino, *Loyola University, Spain*

17:10 - 17:40 **Ce³⁺-Doped chalcogenide glass fibre for laser beyond 4 – microns wavelength: Glass material-integrity**

Shweta Chahal, *Federal Institute for Material Research and Testing, Germany*

Networking and Day Closing

Day 2 | June 24, 2025

Keynote Forum-2

10:00 - 10:45 **Tracing the renal origins of urine biomarkers in lupus nephritis using spatial proteomics**
Chandra Mohan, *University of Houston, USA*

Oral Sessions

10:45 - 11:15 **Investigation of pyrolysis behavior of pitch and preparation of Pitch-based functional carbon materials**
Yan Song, *Chinese Academy of Sciences, China*

Coffee Break and Networking 11:15 - 11:30

11:30 - 12:00 **The use of artificial intelligence for the prediction of physical properties of materials**
Jerry Darsey, *University of Arkansas, USA*

12:00 - 12:30 **Development of a bioassay for detecting donor microvascular activation elicited by recipient sera: Performance in renal transplant recipients**

Qiang Sebastian Shi, *Max & Minnie T. Voelcker Laboratory, LLC, Dalla, USA*

12:30 - 13:00 **Enhanced DBT removal with eco friendly synthesis of bimetallic UiO-66(Zr/Sn²⁺) catalyst**
Ahmed Sadeq Abou-Elyazed Aresha, *Shenzhen Polytechnic University, China and Menoufiya University, Egypt*

Lunch Break and Networking 13:00 - 13:40

13:40 - 14:10 **Study of the influence of O-phase on hydrogen absorption by Ti-Al-Nb alloys**
Kurbanbekov Sherzod, *Khoja Akhmet Yassawi International Kazakh Turkish University, Kazakhstan*

14:10 - 14:40 **Predicting soil liquefaction potential based on shear wave velocity: Holisurface approach**
Michael Affam, *University of Mines and Technology, Ghana*

14:40 - 15:10 **Treatment outcomes of chronic liver disease and associated factors**
Melese Alemnew Ayal, *Bahir Dar Health Science College, Ethiopia*

15:10 - 15:40 **A meta-analysis examining the impact of consuming nitrogen-free analogs of essential amino acids on the progression of chronic renal disease**

Alenzi Hussam, *King Faisal University, Saudi Arabia*

15:40 - 16:10 **Circadian blood pressure variability and associated factors among chronic kidney disease patients: A comparative cross-sectional study**
Teferi Babu Itana, *Wollega University School of Medicine, Ethiopia*

Coffee Break and Networking 16:10 - 16:20

16:20 - 16:50 **Pore connectivity implicates sustainable petroleum production in conventional and unconventional resources**

Qinhong Hu, *China University of Petroleum (East China), China*

16:50 - 17:20 **Bacterial cellulose-based materials for energy applications**
Omar P. Troncoso, *Pontifical Catholic University, Peru*

Networking and Day Closing

