INTERNATIONAL CONFERENCE [SUSTAINABILITY IN DESIGN, ENGINEERING AND ARCHITECTURE**]** **VENUE: COMMITTEE ROOM**

31 OCTOBER 2026 [Saturday]

TECHNICAL SESSION II (2:30-4:00 pm)- PTEROLEUM STUDIES

SESSION CHAIR: Prof Mohd Kamil; SESSION CO-CHAIR: Prof S J A Rizvi

S. No.	TRACK ID	TOPIC AND AUTHOR	
1	SDEA-2026-0060	**ZnO Nanofluids and Ban Tulsi Mediated Route in Mixed Matrix Membrane Synthesis for Sustainable and High-Performance CO_2 Capture: Experimentation and Evaluation** Prof. Tushar Sharma	
2	SDEA-2026-0105	**Environmental And Economic Benignity of Different Colors of Hydrogen** Faizan Khalid*, Ale Imran**, Safia Akhtar Kazmi***	
3	SDEA-2026-0136	**Flash Joule Heating for Sustainable Waste-to-Graphene Conversion: Process Control, Scale-Up, and Environmental Performance** Rushda Mashkoor	
4	SDEA-2026-0160	**DBSA: A Sustainable Organo-Acid Catalyst for Single-Step Esterification and Transesterification for Biodiesel Production** Sana Fatima, Rameez Ahmad Aftab, Moina Athar	
5	SDEA-2026-0169	**Toward Affordable Green Hydrogen: Statistically Optimized, Patented Composite Bipolar Plates for PEMFC Fuel Cells** Salah M. S. Al-Mufti, S. J. A. Rizvi	
6	SDEA-2026-0193	**Sustainable Aviation Fuel: Production Technologies, Feedstocks and Challenges for Aviation Decarbonization** Umme Aiman	
7	SDEA-2026-0211	**Aspen Plus-Based Modelling of Desalination-Assisted Green Hydrogen Production from Seawater** Meher Hussaini*, Faheem Ahmad Azmi**, Rashmi Kumari*, M Yusuf Ansari*	