International Conference on Chemistry and Chemical Engineering (ICCCE-2024) August 16-17, 2024	
Day 1 (August 16)	
09:00-09:30	**Registrations**
09:30-10:00	**Opening Remarks**
Keynote Forum	
10:00-10:40	***Safe and Atom-Efficient Organic Synthesis with Gaseous Reagents***
	Balamurugan Ramalingam, ARES-A*STAR Research Entities, Singapore
10:40-11:20	***High loadings of carbonaceous aerosols from wood smoke in the atmosphere of Beijing from 2015 to 2017: Implications for energy transition policy***
	Yanju Liu, Institute of Analysis and Testing, Beijing Academy of Sciences and Technology (Beijing Center for Physical and Chemical Analysis), China
11:20-11:30	**Group Photo**
11:30-11:40	**Refreshment Break**
Technical Session-I	
Chair: Prof. Yanju Liu	
11:40-12:10	***Metal nanoparticles fabricated polyurethane based nano composites as efficient catalyst for the reduction of toxic dyes***
	Khalida Naseem, University of Centreal Pubjab, Pakistan
12:10-12:40	***Hybridizing Real and Virtual Experiences: Inquiry-Based Learning Activities to Explore Surface Chemistry***
	Wong Kong Ching Johnny, University of Hong Kong, Hong Kong
12:40-13:10	***A Tale of Two Approaches: Physics-based vs. Data-driven Models in Drug Discovery***
	Niu Huang, National Institute of Biological Sciences, China
13:10- 14:00	**Lunch @ Restaurant**
14:00- 14:30	**Poster Presentations**
Poster Judge: Peter James Storch, Arcadis Australia Pacific, Australia	
P-1	***One-pot Synthesis of Tannic Acid-Au Nanoparticles for the Colorimetric Determination of Hydrogen Peroxide and Glucose***
	Yang-Wei Lin, National Changhua University of Education, Taiwan
P-2	***Ratiometric Fluorescence Immunoassay using Triangular Carbon Dots for Troponin T detection in Acute Myocardial Infarction***
	Soeuun Kim, Jeonbuk University, South Korea
P-3	***In-situ modification of Tetrahedra nanorods of Fe-MOFs decorated electrospun porous carbon nanofibers for asymmetric supercapacitor application***
	Taewoo Kim, Jeonbuk University, South Korea
P-4	***Hollow Carbon Nanofibers with Inside-outside Decoration of Bi-metallic MOF Derived Ni-Fe Phosphides as Electrode Materials for Asymmetric Supercapacitor***
	Tae Hoon Ko, Jeonbuk University, South Korea
Technical Session-II	
14:30-15:00	***PFAS in Fire System Piping Systems: Recent Developments in Research and Application to Foam Transition***
	Peter James Storch, Arcadis Australia Pacific, Australia
15:00-15:30	***Upgrading pyrolytic carbon black by recyclable ferrate/alkaline treatment with the assistance of ultrasound***
	Yongxin Duan, Qingdao University of Science & Technology, China
15:30-15:50	**Refreshment Break**
15:50-16:20	***Carbon catalysts for oxidation of mehacrolein to methacrylic acid***
	Jimmy Yun, University of New South Wales, Australia

16:20-16:50	***An effective process for the separation of U(VI) and Th(IV) from rare earth elements based on a membrane emulsification circulation extractor by using ionic liquid Cyphos IL 104***
	Jiawei Lu, University of Science and Technology of China, China
16:50-17:20	***Mesogenic Materials with Free Void Spaces***
	Long-Li Lai, National Chi Nan University, Taiwan
	Day-1 Concludes
	Pannel Discussions
	Day 2 (August 17) **Virtual Presentations**
09:00-09:30	***Synthesis, characterization and application of cobalt tetroxide particles in electrolysis for oxygen generation***
	Nayuca Alberto Bampoky, Universidade Federal do Ceara, Brazil
09:30-10:00	***Cycloterpenal Synthesis, Biosynthesis and Their Biological Actions***
	Coran Watanabe, Texas A&M University, USA
10:00-10:30	***The Journey: From biological marker discovery of potential drug targets to application towards combating intestinal protozoan parasite diseases***
	Nurulhasanah Othman, Universiti Sains Malaysia, Malaysia
10:30-11:05	***Smartchoice: a decision app for chemical handheld detectors***
	Patrick Wengler, University of Rome Tor Vergata, The Netherlands
11:05-11:35	***Tuning Magnetic Properties of ZnO-Based Ceramics through Defect Engineering***
	T. Ramesh, BVRIT Hyderabad, India
11:35-14:00	**Networking Break**
14:00-14:45	***Keynote:*** ***Memory Characteristics and Crystallographic Transformations in Shape Memory Alloys***
	Osman Adiguzel, Firat University, Turkey
14:45-15:15	***Magnetite nanoparticles coated with cardanol derivatives for petroleum crude oil clean-up***
	Hamad A. Al-Lohedan, Saud University, Saudi Arabia
15:15-15:45	***Econazole Topical Gel: Development and Characterization***
	Mohammad F. Bayan, Philadelphia University, Jordan
15:45-16:15	***Advancements in Nanomaterial-Based Adsorbents for Heavy Metal Removal in Water and Soil Remediation***
	Jacques Romain Njimou, University of Ngaoundere, Cameroon
16:15-16:30	**Networking Break**
16:30-17:00	***Phenols and Saliva Effect on Olive Oil Aroma Release: A Chemical and Sensory approach***
	Enrique J Diaz-Montana, University of Seville, Spain
17:00-17:30	***Modelling of a Mesoporous Termite Mound Filter for Brilliant Green (BG) Dye Removal in Wastewater***
	Rives Mallet Tcheulo Njike, University of Ngaoundere, Cameroon
17:30-18:00	***Physico-chemical Properties and durability of fly ash based- geopolymer***
	Hanane Boutkhil, Faculty of science mohamed v RABAT, Algeria
	Closing remarks