Meetings International

4th International Conference on

Materials Chemistry & Science

MARCH 18-19, 2019 | Singapore City, Singapore

Theme:

Exploring new Materials for New Technologies



https://www.meetingsint.com/conferences/materials-chemistry

March 18, 2019 **Conference Agenda** **Day 1**

Conference Hall: Grand Mercure Singapore Roxy

09:00-09:30	**Registration**
09:30-09:45	**Opening Ceremony**
09:45-10:00	**Introduction by Moderator**
10:00-10:35	**Keynote Forum** **Title: A Gauge transformation theory for metamaterials** **Woon Siong Gan**, Acoustical Technologies Singapore Pte Ltd, Singapore

Networking & Refreshment Break 10:35-10:45 @ Foyer

10:45-11:20	**Title: Development of monoamide resins for selective recovery of uranium(VI) from nitric acid media** **Masanobu Nogami**, Kindai University, Japan
11:20-11:55	**Title: Novel adsorption materials for the recovery of noble metal fission products from spent nuclear fuels** **Yuezhou Wei**, Guangxi University, China
11:55-12:30	**Title: Actinide analysis by ICP-MS/MS and actinide separation** **Tatsuya Suzuki**, Nagaoka University of Technology, Japan
12:30-13:05	**Title: Mechanochemical-assisted synthesis of ternary sulfide embedded in carbon for efficient hydrogen evolution reactionbioactivity** **Manoj Gupta**, National University of Singapore, Singapore

Lunch Break 13:05-14:05 @ East Restaurant

14:05-14:40	**Title: On the structure and properties of siliceous materials** **Alexander M Korsunsky**, University of Oxford, UK
14:40-15:15	**Title: Nanomaterials as effective adsorbents for removal of heavy metals from aqueous solutions** **E.KT. Sivakumar**, Anna University, India

Oral Session I:
Material Characterization | Material Chemistry and Development | Energy Materials

Session Chair: **Yuezhou Wei**, Guangxi University, China
Co-chair: **Manoj Gupta**, National University of Singapore, Singapore

15:15-15:45	**Title: Effects of hot-rolling on microstructure and electrochemical discharge behavior of Mg-6Al alloy as anode for Mg-air battery** **Guangxin Wang,** Henan University of Science and Technology, China
15:45-16:15	**Title: A novel pH-responsive material containing residues of glycine and maleic acid as a super adsorbent for the fast removal of dyes and toxic metal ions** **Ali Shaikh Asrof,** King Fahd University of Petroleum & Minerals, Saudi Arabia
16:15-16:40	**Title: Mutual separation of trivalent lanthanides in nitric acid solution by a novel hydrophobic ionic liquid including N,N,Nâ€™,Nâ€™-tetrakis(2-pyridylmethyl)-1,3-diaminopropane-2-amido structure: A soft N and hard O donor combined strategy** **Hao Wu,** Tokyo Institute of Technology, Japan

Networking & Refreshment Break 16:40-16:50 @ Foyer

Session Adjournment

March 19, 2019 **Day 2**

Conference Hall: Grand Mercure Singapore Roxy

09:45-10:00	**Introduction by Moderator**
10:00-10:35	**Keynote Forum** **Title: Replacing candles with candlelight OLED** **Jwo-Huei Jou,** National Tsing Hua University, Taiwan

Networking & Refreshment Break 10:35-10:50 @ Foyer

10:50-11:25	**Title: 50th Anniversary of the transport theory in condensed matter physics** **Woon Siong Gan,** Acoustical Technologies Singapore Pte Ltd, Singapore
11:25-12:00	**Title: Nanoplasmonic and composite photonic structures for biosensing, environmental and energy applications** **Ibrahim Abdulhalim,** University of the Negev, Israel
12:00-12:35	**Title: Characterizing silicon/platinum-based catalytic motors with near ambient pressure photoemission** **Jordi Fraxedas,** Catalan Institute of Nanoscience and Nanotechnology, Spain
12:35-13:10	**Title: Biogenic minerals for removal of contaminants** **Toshihiko Ohnuki,** Tokyo Institute of Technology, Japan

Lunch Break 13:10-14:10 @ East Restaurant

14:10-14:45

Title: Nano-approach in articular cartilage tissue regeneration
Laila Mahmoud Montaser, Menoufia University, Egypt

14:45-15:20

Title: Development of simultaneous recovery system of PGMs and Mo from high - level radioactive liquid waste
Takeshita, Tokyo Institute of Technology, Japan

15:20-15:55

Title: Transition metal complexes/organometallic compounds as anticancer/ anti HIV drugs in pharmaceutical industry
Prakash Kinthada, National Institute Of Medical Sciences(NIMS) University, India

Networking & Refreshment Break 15:55-16:15 @ Foyer

16:15-16:50

Title: Nanotechnology: facts to ponder
Sharad Kumar Yadav, B 4 Veterinary University Mathura, India

16:50-17:25

Title: Photon radiation stimulated by nuclear vibration for usage In nano-industry
Kholmurad Khasanov, Mikhael Lomonosov Moscow State University, Russia

Award Ceremony & Closing Ceremony



About Singapore

Singapore ranks 5th on UN Human Development Index with 3rd highest GDP per capita globally. Tourism forms a massive part of the economy with over 17 million visitors visiting the city in 2017. It is a worldwide core for finance, business, arts, culture and it is recognized as one of the most multicultural cities in the world. Joining the elevated structures and metros of a progressed, prosperous city with a blend of Chinese, Malay and Indian effects nearby a tropical air, scrumptious sustenance from merchant centres, copious malls, and enthusiastic night-life scene, this Garden City makes an uncommon stopover or springboard into the territory. The country has also been identified as a tax haven. There are four official languages: English (common and first language), Malay, Mandarin and Tamil, though almost all Singaporeans are bilingual.





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