15TH INTERNATIONAL CONFERENCE ON

MATERIALS CHEMISTRY & SCIENCE

MAY 27-28, 2020 | TOKYO, JAPAN



Materials chemistry 2020

Material Chemistry 2020	
May 27-28, 2020 | Tokyo, Japan	
Day-1 May 27, 2020	
Hall-I	
09:30-10:00	Registration & Introduction by Moderator
Keynote Forum	
10:00-10:30	Tittle: Synthesis and Characterization of 2D Materials and Flexible Electrodes
	Eui-Hyeok Yang, Stevens Institute of Technology, USA
Networking & Refreshment Break, 10:30-10:50	
10:50-11:20	Title: Novel Electrochemical-Emission Spectroscopy of Metals by White Light Interferometry
	Khaled Habib, University of Iowa, USA
11:20-11:55	Title: Sustainable Development and Environment of Biomass from Agriculture Residues
	Abdeen Mustafa Omer, University of Nottingham, UK
11:55-12:30	Title: Resilience of the Reactor Pressure Vessel steel at fast neutron intensity decreasing
	Evgenii Krasikov, Department of Reactor Materials and Technologies Institute
Group Photo 12:30-13:00	
Lunch Break 13:00-14:00	
14:00-14:30	Title: The convergence of technologies, generates convergence in the regulations
	Guillermo Valdes Mesa, Havana University Centre Biomaterial, Cuba
Oral Session I	
Session Chair: Khaled Habib, Doctor, University of Iowa USA	
14:30-14:55	Title: A powerful explosion of light and the synthesis of porous nanomaterial
	Kholmurad Khasanov, Samarkand State University, Uzbekistan
14:55-15:20	Title: Analysis of Optical Energy Band Gap of Aluminium Zinc Sulphide (Al2ZnS4) Ternary Thin Films Grown by Solution Growth Technique.
	K. Nwifior, Ebony State College of Education Ikwo, Nigeria
15:20-15:45	Title: New Perspectives on the Unique Micro and Nano-Structural Features of the Cu/ZnO Methanol Synthesis Catalyst
	Dr. Dennis W. Smith, Department of Chemistry Mississippi State University, USA
Networking & Refreshment Break, 15:45-16:05	
16:05-16:30	Title: The Polymer Science & their Applications
	Dr. Donald R. Paul, Department of Chemical Engineering, the University of Texas at Austin, USA
16:30-17:00	Titte: Editorial Open Access Research Advances in Augmented Truck Vision for Safe Surface Mining Operations
	prof.Samuel Frimpong, Missouri University of Science and Technology, USA
Session Adjournment	

Conference Agenda 2019

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



Glimpses of Materials Chemistry Conference

















About Tokyo

Tokyo, at one time named "Edo" and virtually which means "east capital," has been the capital town of Japan since 1604. It's a population of over thirty eight million folks, and additional flock to the town on weekdays for work and weekends for looking and rubber-necking. It is a blinding metropolis that's additional sort of a cluster of many cities, with an enormous size of one, 360 sq. miles. Ample tourists visit Japan every year for its distinctive traditions, rubber-necking spots, and fascinating subcultures.



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