

# ONLINE SUMMIT ON RECYCLING AND WASTE MANAGEMENT (RWM - 2020)

**July 02,03, 2020**



**Conference Proceedings (as full papers)**

**Selected articles that are relevant to the Journal's scope will be published in Elsevier's Nano-Structures & Nano-Objects and International Journal of Minerals, Metallurgy & Materials (IJMMM-Springer).**



# STEM

Science | Technology | Engineering | Mathematics

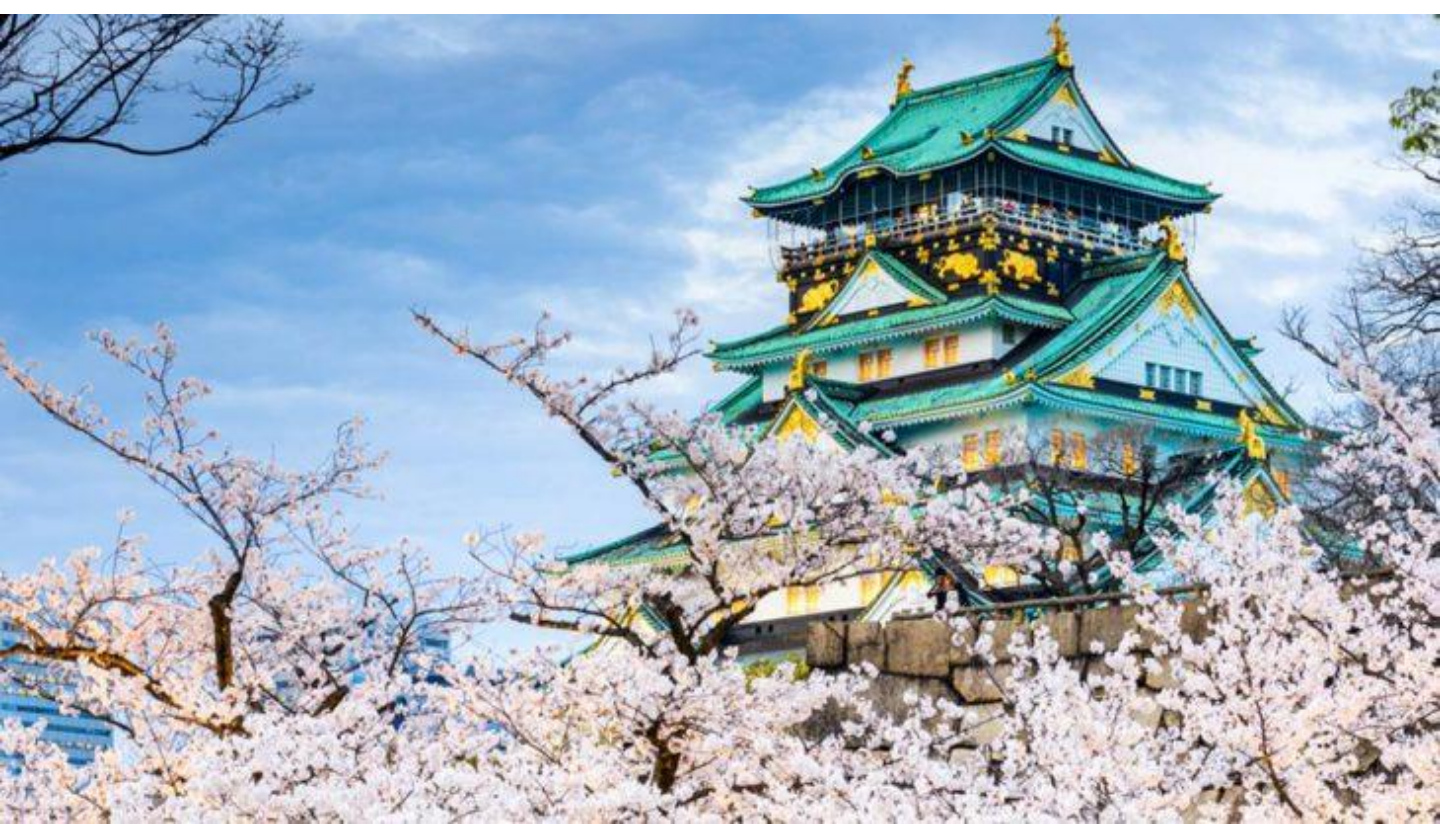
International Organization

## Scientific Program



Day 1 JULY 02, 2020	
09:00-09:30	<b>Introduction and Opening by STEMIO President</b>
<b>Plenary and Keynote Presentations</b>	
09:30-10:10	<b>Title:</b> Economically Feasible Mass Treatment of MSW Alternative to Landfilling/Incineration for Developing Countries <b>Kunio Yoshikawa</b> , Tokyo Institute of Technology, Japan
10:10-10:50	<b>Title:</b> Engineering at the Nanoscale: A Strategy for Developing High Performance Functional Materials from Waste <b>Sabu Thomas</b> , Mahatma Gandhi University, India
<b>Q&amp;A</b>	
11:00-11:15	<b>Break</b>
11:15-11:45	<b>Title:</b> Chemical Recycling of Waste Refractory Plastics Using Supercritical and Subcritical Fluids <b>Takeshi SAKO</b> , Shizuoka University, Japan
<b>Session I</b>	<b>Oral Presentations (Regular and Invited )</b>
11:45-12:05	<b>Title:</b> Converting waste feather fibers into high-performance intumescent flame retardants <b>Daeseung Jung</b> , University of Auckland, New Zealand
12:05-12:25	<b>Title:</b> Review of lithium-ion battery recycling for automobiles <b>Toyohisa Fujita</b> , Guangxi University, China
12:25-12:45	<b>Title:</b> Recovery of Fission Product Noble Metals from Spent Nuclear Fuel by Anion Exchange <b>Yuezhou Wei</b> , Guangxi University, China
<b>Q&amp;A</b>	
13:00-14:00	<b>Lunch Break</b>
14:00-14:20	<b>Title:</b> Recycling of Costly Transparent Electrode Substrates from Degraded Organic Solar Cells <b>Varun Vohra</b> , University of Electro-Communications, Japan
14:20-14:40	<b>Title:</b> The study of anaerobic digestion for recycling waste from the agricultural field and food garbage <b>Chika Tada</b> , Tohoku University, Japan
14:40-15:00	<b>Title:</b> Dry anaerobic digestion for piggery waste and rice straw <b>Shohei Riya</b> , Tokyo University of Agriculture and Technology (TUAT), Japan
15:00-15:20	<b>Title:</b> Biomass and Plastic Wastes as Fuels for Electrolysis and Fuel Cells <b>Masahiro Nagao</b> , Nagoya University, Japan
15:20-15:40	<b>Title:</b> Proficient removal/recovery of copper onto environmentally friendly fabricated copper ferrite nanoparticles by using the adjusted ferrite process <b>Kanokpon Supong</b> , King Mongkut's Institute of Technology Ladkrabang,
15:40-16:00	<b>Title:</b> Combined analytical Py-GC/MS, SEM, FTIR and 13C NMR for investigating the removal of trace metals from aqueous solutions by biochar <b>André Henrique Rosa</b> , Sao Paulo State University - UNESP, Brazil

16:00-16:20	<b>Break</b>
Session II	<b>STEM Young Scientists(SYS)</b>
16:20-16:40	<b>Title:</b> Effect of Oxygen Concentration on the Characteristics of the Recycled Carbon
	<b>ZHANG, YU-TING</b> , Ming Chi University of Technology, Taiwan
16:40-17:00	<b>Title:</b> Several kinds of Lithium-ion battery composition analysis for recycle
	<b>CHEN HAO</b> , Guangxi University, China
17:00-17:20	<b>Title:</b> Contents of sewage sludge on the characteristics of biochar derived from the co-
	<b>Xu You Xiang</b> , Ming Chi University of Technology, Taiwan
Session III	<b>Poster Session</b>
PP1	<b>Title:</b> Effect of organic matter in dissolution and toxicity of silver citrate capped
	<b>André Henrique Rosa</b> , Sao Paulo State University - UNESP, Brazil
PP2	<b>Title:</b> Potential Amount of Metals to be Recovered from Weee in Poland
	<b>Agnieszka Nowaczek</b> , AGH University of Science and Technology, Poland
PP3	<b>Title:</b> Organosulphur modified biochar for production of highly effective green adsorbent for Cd <sup>2+</sup> , Ni <sup>2+</sup> , Pb <sup>2+</sup> and Cr <sup>6+</sup> removal
	<b>André Henrique Rosa</b> , Sao Paulo State University - UNESP, Brazil
<b>Q&amp;A</b>	
<b>Day 2 JULY 03, 2020</b>	
Session IV	<b>Oral Presentations (Regular and Invited )</b>
10:00-10:20	<b>Title:</b> Japanese Lessons and Brazilian Possibilities: Turning Waste to Energy
	<b>Natalia Azevedo de Carvalho</b> , Pinheiro Neto Advogados, Brazil
10:20-10:40	<b>Title:</b> Swift Removal of Aqueous Ammonia in Raw Water By Using PVDF Embedded Adsorbent Membranes
	<b>Rosiah Rohani</b> , Universiti Kebangsaan Malaysia, Malaysia
10:40-11:00	<b>Title:</b> Calcined oyster shell for removing cadmium, arsenic, and humic substance from aqueous solution
	<b>Guodong Yuan</b> , Zhaoqing University, China
11:00-11:15	<b>Break</b>
11:15-11:35	<b>Title:</b> Waste management by pyrolysis: pyrogenic carbon and its use in agriculture
	<b>Daquan Sun</b> , SoWa Research Infrastructure Biology Centre CAS, Czech Republic
11:35-11:55	<b>Title:</b> Properties and Applications of Mortar with Fly Ash from Waste Incinerator as Cement Replacement
	<b>Chatpong Na Pombhejara</b> , Chulalongkorn University, Thailand
11:55-12:15	<b>Title:</b> The study of solid waste treatment using hydrothermal carbonization method in the presence of natural zeolite
	<b>Chandra Wahyu Purnomo</b> , Universitas Gadjah Mada, Indonesia
12:15-12:35	<b>Title:</b> Simultaneous recovery of liquid crystal and indium from LCD panel wastes using subcritical water
	<b>Shamsul Izhar</b> , Universiti Putra Malaysia, Malaysia
12:35-12:55	<b>Title:</b> Removal of Ammonia from Wastewater by Adsorption Process using Palm Oil Shell based biowaste
	<b>Rama Rao Karri</b> , Universiti Teknologi of Brunei, Brunei
<b>Q&amp;A</b>	
End of Day 2 Program	



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