BAYVIEW HOTEL
GEORGETOWN, PENANG

Empowering Materials Towards Future Sustainability

PROGRAMME BOOK

23rd - 25th AUGUST 2023
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MESSAGE FROM RECTOR OF UITM PERLIS BRANCH

Assalamualaikum w.b.t and Salam Sejahtera.

I would like to extend my warmest welcome to all delegates to the International Sciences, Technology & Engineering Conference (ISTEC) - Global Advanced Materials & Surfaces (GAMS). The conferences’ themes which is “Empowering Materials Towards Future Sustainability” serves as a platform for all delegates to share research findings, experiences, and discuss the environmental and sustainability issues and solutions related to their respective areas of expertise, fostering interdisciplinary collaboration and collective progress towards a more sustainable future.

These conferences are looked forward by academicians, students, researchers, and industry players who hold vital positions in academics, research, and industry, particularly in the in-demand fields of Applied Sciences. As such, I firmly believe that this event will facilitate productive discussions and fruitful idea exchanges.

To all our esteemed conference participants, I extend my heartfelt appreciation for joining us in this exciting venture. Your presence and contributions will undoubtedly enrich the discussions and outcomes of this prestigious event.

Thank you.

ASSOC. PROF. TS DR. SHUKOR SANIM BIN MOHD FAUZI
MESSAGE FROM DEPUTY RECTOR OF RESEARCH, INDUSTRIAL LINKAGES, COMMUNITY & ALUMNI NETWORK, UiTM PERLIS BRANCH

Assalamualaikum, w.b.t, Salam Sejahtera and greetings to all.

On behalf of the organizing committee, I would like to welcome all the delegates and guests to the International Sciences, Technology & Engineering Conference (ISTEC) – Global Advanced Materials & Surfaces (GAMS). This international conference is organized by Universiti Teknologi MARA (UiTM), Perlis Branch, Arau Campus, Malaysia, as part of the 6th International Innovation, Design, and Articulation Conference (i-IDeA 2023).

With the theme of “Empowering Materials Towards Future Sustainability” I believe this conference serve as a great platform for researchers to share and discuss the latest developments and findings in related fields. We anticipate that this conference will serve as a networking opportunity for students, professors, and researchers from Malaysia and throughout the world.

We are confident that the conference will be enjoyable, beneficial, entertaining, and be a memorable event for all of you. I would like to thank my organizing committee, prominent plenary, keynote and invited speakers, passionate presenters and the management of Universiti Teknologi MARA Perlis branch for their support and commitment. Last but not least, on behalf of the committee, I humbly welcome all of you to the International Sciences, Technology & Engineering Conference (ISTEC) – Global Advanced Materials & Surfaces (GAMS) 2023 and look forward to your active participation. Have a great day.

Thank you.

Ts. Gs. DR. ERNIEZA SUHANA MOKHTAR
MESSAGE FROM CONFERENCE CHAIR I

Assalamualaikum w.b.t and Salam Sejahtera

It is my great pleasure to welcome all distinguished speakers and presenters to this conference. I am delighted to announce that we received 63 participations both from local and international participants. I hope this conference will be a great event to exchange research ideas and to establish collaboration with colleagues from various countries. I strongly believe that participants will shine brighter in the future with the experience gathered here, throughout the conference programme.

Last but not least, we look forward to meet you in upcoming events organized by Universiti Teknologi MARA (UiTM), Perlis Branch, Arau Campus, Malaysia. I wish all you a productive day and an enjoyable networking experience in these conferences. Thank you.

DR. WAN IZHAN NAWAWI WAN ISMAIL

MESSAGE FROM CONFERENCE CHAIR II

Salam Sejahtera and greetings to all

First and foremost, I would like to take the honour of welcoming each one of you to the International Sciences, Technology & Engineering Conference (ISTEC) – Global Advanced Materials & Surfaces (GAMS) 2023. I am confident that this platform opens ample opportunity for all of us to exchange latest research and developments in Applied Sciences. Without a doubt, I can promise that you will enjoy the fruitful discussion in the plenary, keynote and invited sessions by the outstanding and finest scientists.

As a chairman of the International Conference i-IDeA 2023, I am most thankful for the unceasing efforts of the organizing committee specifically; Dr. Mohammad Saifulddin Mohd Azami as Head Director of ISTEC-GAMS 2023

Finally, yet importantly, I look forward that all of the esteemed guests will offer a great deal of support for the success of this event. Many thanks for your participation and enthusiasm. Thank you and have a wonderful time ahead!

DR. JEYASHELLY ANDAS
MESSAGE FROM HEAD DIRECTOR OF ISTEC-GAMS 2023

Assalamualaikum WBT and Salam Sejahtera

On behalf of the organizing committees, I heartily welcome all honorable speakers and participants to this 5th International Sciences, Technology, and Engineering Conference-Global Advanced Materials & Surfaces 2023 (ISTEC-GAMS 2023) with an inspiring theme, “Empowering Materials Towards Future Sustainability”. I sincerely welcome our respected and distinguished speakers; Prof. Datuk Chm. Ts. Dr. Taufiq Yap Yun Hin, Prof. Dr. Didik Prasetyoko and Prof. Dr. Aishah Abd Jalil, whose presence promise valuable insights and their expertise will unquestionably enhance the conference ambience.

Finally, on behalf of the ISTEC-GAMS 2023 committee, I hope that this event will be scientifically invigorating, while new collaborations and friendships can emerge and to encourage participants especially the young researchers to explore current research ideas in the field of the advanced materials and surfaces. Enjoy the event and your stay in Penang!

DR. MOHAMMAD SAIFULDDIN BIN MOHD AZAMI
ISTEC-GAMS 2023 ORGANISING COMMITTEE

Patron
Prof. Datuk Dr. Hajah Roziah Mohd Janor
*Vice Chancellor UiTM*

Advisor
Assoc. Prof. Ts. Dr. Shukor Sanim Mohd Fauzi

Main Chairman
Ts. Gs. Dr. Ernieza Suhana Mokhtar
Prof. Ts. Dr. Mohd Azlan Mohd Ishak
Assoc. Prof. Dr. Ahmad Nizan Mat Noor
Prof. Dr. Nafisah Osman

Conference Chairman
Dr. Wan Izhan Nawawi Wan Ismail
Dr. Jeyashelly Andas

Head Director
Dr. Mohammad Saifulddin Mohd Azami

Conference Treasurer
Mrs. Madhiyah Yahaya Bermakai

Registration
Dr. Non Daina Masdar

Publication
Dr. Solhan Yahya
Mr. Muhammad Syukri Noor Azman

Protocol
Mrs. Rosma Malini Md. Aus

Logistic
Mr. Mohd Syamaizar Mustafa

Promotion
Mrs. Wahida Abdul Rahman

Strategic Partner/Sponsorship
Mr. Wan Mohd Yaseer Mohd Abdoh

Certificate/Souvenirs
Mrs. Azliana Ramli

Information
Mr. Alif Faisal Ibrahim
ABOUT 5TH ISTEC-GAMS 2023

With the success of ISTEC 2014, 2016, 2018, 2020. UiTM Perlis is organizing 5th Edition of International Sciences, Technology, and Engineering Conference-Global Advanced Materials & Surfaces 2023 (5th ISTEC-GAMS 2023). This conference is an international event organized between 24-25 August 2023 in Georgetown Penang, Malaysia. The conference will be conducted in a hybrid format which comprises both in-person and virtual presentations. The participants are welcome to present and participate in the format most convenient for them.

The theme of the conference is Empowering Materials Towards Future Sustainability that will be covering a wide extent to serve the speakers to showcase their highly insightful research work, knowledge from the field of Materials Science & Engineering, Nanomaterials and Nanotechnology, Chemistry, Textile, Physics, Metallurgy, Material Surface Sciences and Polymers to the audience and participants.
PLENARY & KEYNOTE SPEAKER

PLENARY SPEAKER

Professor Datuk ChM. Ts. Dr. Taufiq Yap Yun Hin
Catalysis Science and Technology Research Centre,
Faculty of Science,
Universiti Putra Malaysia
Jalan Universiti 1,
43400 Serdang, Selangor

Title Speech: State of the Art of Heterogeneous Catalysts for Sustainable Biofuels Production

KEYNOTE SPEAKER 1

Professor Dr. Didik Prasetyoko
Department of Chemistry,
Institut Teknologi Sepuluh Nopember,
Surabaya, 60111, Indonesia

Title Speech: Transformation of Reutealis trisperma fruit into biofuels and nanocrystalline cellulose

KEYNOTE SPEAKER 2

Professor Dr. Aishah Abd Jalil
Department of Chemical Engineering, Faculty of Chemical and Energy Engineering, Universiti Teknologi Malaysia,
81310 UTM Johor Bahru, Johor, Malaysia

Title Speech: Involvement of wastewater treatment towards a more environmentally sustainable future
## OPENING CEREMONY

**24th AUGUST 2023 (THURSDAY)**

**SRI MAS GRAND BALLROOM, HOTEL BAYVIEW**

**GEORGETOWN PENANG**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>0915-0945</td>
<td>Arrival of Guests</td>
</tr>
<tr>
<td>0945-1000</td>
<td>Arrival of Guest of Honour</td>
</tr>
<tr>
<td>1000-1015</td>
<td>National Anthem and Wawasan Setia Warga UiTM</td>
</tr>
</tbody>
</table>
| 1015-1025| Welcoming Speech by: Ts. Gs. Dr. Ernieza Suhana Mokhtar  
             Deputy Rector of Research, Industrial Linkages, 
             Community & Alumni Network, UiTM Perlis Branch |
| 1015-1025| Officiating Speech by: Assoc. Prof. Ts. Dr. Shukor Sanim Mohd Fauzi  
             Rector of UiTM Perlis Branch |
|         | Launching Gimmick                             |
|         | Video Montage Presentation                    |
|         | Dance Performance                             |
|         | Presentation of Souvenirs                     |
|         | Photo Session                                 |
# TENTATIVE OF ISTEC-GAMS 2023

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>ITINERARY</th>
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<tbody>
<tr>
<td>23rd August 2023 (Wednesday)</td>
<td>1400</td>
<td>Registration - Lobby Sri Mas Ballroom</td>
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<tr>
<td>24th August 2023 (Thursday)</td>
<td>0830</td>
<td>Registration - Lobby Sri Mas Ballroom</td>
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<td>0945</td>
<td>Morning Tea Break - Lobby Sri Mas Ballroom</td>
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<tr>
<td></td>
<td>1000</td>
<td>The arrival of Honorable Guests</td>
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<tr>
<td></td>
<td>1110</td>
<td>Opening Ceremony - Sri Mas Ballroom</td>
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<td></td>
<td></td>
<td>Plenary Session - Sri Mas Ballroom</td>
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<tr>
<td></td>
<td></td>
<td>• Professor Datuk Chm. Ts. Dr. Taufiq Yap Yun Hin</td>
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<td></td>
<td></td>
<td>Catalysis Science and Technology Research Centre, Faculty of Science, Universiti Putra Malaysia</td>
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<tr>
<td></td>
<td>1210</td>
<td>Lunch Break – Kopitiam Restaurant</td>
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<tr>
<td></td>
<td>1415</td>
<td>Keynote Speaker - Sri Mas Ballroom</td>
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<tr>
<td></td>
<td>1445</td>
<td>• Professor Dr. Didik Prasetyoko</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Department of Chemistry, Institut Teknologi Sepuluh Nopember, Indonesia</td>
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<tr>
<td></td>
<td>1515</td>
<td>• Professor Dr Aishah Abd Jalil</td>
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<tr>
<td></td>
<td></td>
<td>School of Chemical and Energy Engineering, Universiti Teknologi Malaysia</td>
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<tr>
<td></td>
<td>1615</td>
<td>Parallel Session 1 - Sri Mas Ballroom</td>
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<tr>
<td></td>
<td>1630</td>
<td>Afternoon Tea Break - Lobby Sri Mas Ballroom</td>
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<tr>
<td></td>
<td>1730</td>
<td>Parallel Session 1 - Sri Mas Ballroom</td>
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<tr>
<td>25th August 2023 (Friday)</td>
<td>0800</td>
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<td>Parallel Session 2 - Sri Mas Ballroom</td>
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<tr>
<td></td>
<td>1145</td>
<td>Parallel Session 3 - Sri Mas Ballroom</td>
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<tr>
<td></td>
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<td>End of Conference</td>
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*Please refer to the layout Sri Mas Ballroom for parallel session*
MAP OF BAYVIEW HOTEL
GEORGETOWN, PENANG
LAYOUT SRI MAS BALLROOM
OPENING & PARALLEL SESSION
# ISTEC GAMS 2023 SCIENTIFIC PROGRAMME

## 24TH AUGUST 2023 (THURSDAY)

<table>
<thead>
<tr>
<th>TIME</th>
<th>Session</th>
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<tbody>
<tr>
<td>1110 - 1210</td>
<td><strong>PLENARY SPEAKER</strong>&lt;br&gt;Professor Datuk Chm. Ts. Dr. Taufiq Yap Yun Hin&lt;br&gt;Faculty of Science and Natural Resources, Universiti Malaysia Sabah&lt;br&gt;&lt;br&gt;<strong>State of the Art of Heterogeneous Catalysts for Sustainable Biofuels Production</strong></td>
</tr>
<tr>
<td>1210-1400</td>
<td><strong>Lunch Break (Kopitiam Restaurant)</strong></td>
</tr>
<tr>
<td>1415-1445</td>
<td><strong>Keynote Speaker Session 1</strong>&lt;br&gt;Professor Dr. Didik Prasetyoko&lt;br&gt;Department of Chemistry, Institut Teknologi Sepuluh Nopember</td>
</tr>
<tr>
<td>1445-1515</td>
<td><strong>Keynote Speaker Session 2</strong>&lt;br&gt;Professor Dr Aishah Abd Jalil&lt;br&gt;School of Chemical and Energy Engineering, Universiti Teknologi Malaysia</td>
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</table>

## Parallel Session 1

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<thead>
<tr>
<th>ROOM 1</th>
<th>ROOM 2 HYBRID PHYSICAL (P) &amp; VIRTUAL (V)</th>
<th>ROOM 3 HYBRID PHYSICAL (P) &amp; VIRTUAL (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chairperson:</td>
<td>Chairperson: DR MOHAMMAD SAIFULDDIN</td>
<td>Chairperson: TS DR ABU HASSAN NORDIN</td>
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<tr>
<td></td>
<td>MOHD AZAMI</td>
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<tr>
<td>1515-1530</td>
<td><strong>ID 32 – ROBERTO FERNANDEZ</strong>&lt;br&gt;UNIVERSITY OF THE BASQUE COUNTRY UPV/EHU&lt;br&gt;USE OF OPTIMIZATION TECHNIQUES BASED ON MULTI-RESPONSE SURFACE METHODOLOGY TO IMPROVE THE FRACTURE LIFE OF MATERIALS WORKING UNDER ADVERSE CREEP CONDITIONS</td>
<td><strong>ID 49 – CHUFENG SUN (P)</strong>&lt;br&gt;NORTHWEST MINZU UNIVERSITY&lt;br&gt;EFFECT OF LOW TEMPERATURE ON PROPERTIES OF MOS₂-C COMPOSITE FILMS</td>
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<tr>
<td></td>
<td><strong>ID 72 – NUREEL IMANINA BT ABDUL GHANI (P)</strong>&lt;br&gt;UNIVERSITI TEKNOLOGI MARA CAWANGAN PERLIS&lt;br&gt;AG-DOPED TiO₂ WITH TUNABLE AG⁰ AND AG⁺ FOR ENHANCED PHOTOCATALYTIC DEGRADATION OF RR4 DYE</td>
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<tr>
<td>Time</td>
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<tr>
<td>1530-1545</td>
<td>ID 55</td>
<td>PREPARATION AND PERFORMANCE STUDY OF BIOMASS STRAW FOAMING MATERIAL</td>
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<tr>
<td></td>
<td>ID 41</td>
<td>THE POTENTIAL OF SOYBEAN AND GLYCINE AS CORROSION INHIBITORS FOR STEEL IN HYDROCHLORIC ACID</td>
</tr>
<tr>
<td></td>
<td>ID 95</td>
<td>IMMOBILIZED TiO₂ SURFACE INTERACTIONS WITH ENR/PVC AS POLYMER BINDER IN ACID PHOTOETCHING FOR RR4 DYE PHOTODEGRADATION</td>
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<td>1545-1600</td>
<td>ID 114</td>
<td>EFFECT OF VARIOUS PLASTICIZER TO THE PROPERTIES OF BIODEGRADABLE FILM DERIVED FROM FRUIT PEELS-MICROCRYSTALLINE CELLOUSE (MCC)</td>
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<td>ID 92</td>
<td>KAPOK DERIVED ACTIVATED CARBON CATALYST FOR BIODIESEL PRODUCTION FROM WASTE COOKING OIL</td>
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<td>ID 87</td>
<td>PHOTOCATALYTIC ACTIVITY AND STABILITY OF TiO₂/ZNO CATALYST FOR PHENOL DEGRADATION UNDER VISIBLE LIGHT IRRADIATION</td>
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<td>1600-1615</td>
<td>ID 65</td>
<td>BISMUTH IRON MANGANESE OXIDE NANOCOMPOSITE AS AN EFFICIENT ELECTRODE MATERIAL FOR SUPERCAPACITOR APPLICATION</td>
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<tr>
<td></td>
<td>ID 39</td>
<td>INVESTIGATION OF MORPHOLOGY AND COMPRESSIVE PROPERTIES OF DIAMOND REINFORCED POROUS ALUMINIUM COMPOSITES</td>
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<td></td>
<td>ID 22</td>
<td>UNRAVELLING THE EFFICIENT REMOVAL OF TETRACYCLINE HYDROCHLORIDE OVER FIBROUS SILICA BISMUTH OXIDE PHOTOCATALYST</td>
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<td>1615-1630</td>
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<td>1630-1645</td>
<td>ID 84</td>
<td>THE EFFECT OF 1-ETHYL-3-METHYLMIDAZOLIUM ACETATE ON THE STRUCTURAL, MORPHOLOGICAL AND ELECTRICAL PROPERTIES OF PMMA-BASED ELECTROLYTES FILMS</td>
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<td>ID 43</td>
<td>CHARACTERISATION OF RECYCLED HDPE/LDPE BLENDS</td>
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<td>ID 102</td>
<td>MAGNETIC BEADS CATALYST FOR ORGANIC POLLUTANT REMOVAL: PHOTOCATALYTIC EFFICIENCY</td>
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<tr>
<td>Time</td>
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<td>1645-1700</td>
<td>93</td>
<td>CONDUCTIVE AND MECHANICAL PROPERTIES OF SILICONE ELECTRICALLY CONDUCTIVE ADHESIVES (ECAS) FILLED GRAPHENE-CARBON BLACK (GR-CB)</td>
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<td>56</td>
<td>LESS TOXIC COLOUR SMOKE BOMB CHARACTERISTICS</td>
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<td>20</td>
<td>FABRICATION AND CHARACTERIZATION OF ER3+-DOPED SIO2-TiO2 NANOFIBER PRODUCED BY ELECTROSPINNING</td>
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<td>1700-1715</td>
<td>63</td>
<td>TENSILE AND CHEMICAL PROPERTIES OF CLINICAL- GRADE KIDNEY PHANTOM BASED ON POLYDIMETHYLSILOXANE AND ELASTOMER</td>
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<td>STUDY OF THE RADIATION EFFECT ON GLUCOSE-6-PHOSPHATE DEHYDROGENASE (G6PD) DEFICIENCY ERYTHROCYTES</td>
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<td>ONE-STEP METHOD FOR PREPARATION OF KERATIN NANOMATERIALS: STEAM FLASH EXPLOSION TREATMENT</td>
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<td>A PEROVSKITE SOLAR CELL USING LANTHANUM-DOPED NICKEL OXIDE HOLE TRANSPORTING LAYER</td>
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<td>15</td>
<td>STUDIES ON THE EFFECT OF THE INCARCERATION OF DEEP EUTECTIC SOLVENT WITH DIFFERENT HYDROXYL POSITIONS DURING FREE RADICAL POLYMERISATION OF POLY(METHYL METHACRYLATE) ON ITS STRUCTURAL AND IONIC CONDUCTIVITY PROPERTIES</td>
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<tr>
<td>1730</td>
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<td>End of the conference days 1</td>
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<tr>
<td>Time</td>
<td>Session</td>
<td>Room 1</td>
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<tr>
<td>0800-0830</td>
<td>Parallel Session 2</td>
<td>Morning Tea Break (Lobby Sri Mas Ballroom)</td>
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<tr>
<td>0830-0845</td>
<td>ID 47 – NOOR AMNANI BT MOHD SOFI</td>
<td>ID 54 – WEI SHUAN</td>
</tr>
<tr>
<td>UNIVERSITY TEKNOLOGI MARA CAWANGAN SHAH ALAM</td>
<td>NORTHWEST MINZU UNIVERSITY</td>
<td>UNIVERSITI TEKNOLOGI MARA CAWANGAN PERLIS</td>
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<tr>
<td>RHEOLOGICAL AND MECHANICAL PERFORMANCE OF HIGHLY FLOWABLE CONCRETE INCORPORATING EGGSHELL POWDER AS PARTIAL CEMENT REPLACEMENT</td>
<td>PREPARATION OF BIOMASS-DERIVED CARBON MATERIALS AND THEIR APPLICATION IN SUPERCAPACITORS</td>
<td>THE ROLE OF NITROGEN-DOPED TiO$_2$ SUPPORTED BY PLATINUM CATALYST SYNTHESIZED VIA VARIOUS MODE PREPARATIONS FOR PHOTOCATALYTIC ENHANCEMENT</td>
</tr>
<tr>
<td>0845-0900</td>
<td>ID 7 – ADZRIE BIN BAHARUDIN</td>
<td>ID 83 – DR. ROZILAH RAJIMI (P)</td>
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<td>UNIVERSITY TEKNOLOGI MARA CAWANGAN PERLIS</td>
<td>UNIVERSITI TEKNOLOGI MARA CAWANGAN PERLIS</td>
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<td>ELECTRICAL AND MECHANICAL PROPERTIES OF SILICONE ELECTRICALLY CONDUCTIVE ADHESIVES (ECAS) FILLED CARBON BLACK</td>
<td>EFFECT OF Pr$^{3+}$ SUBSTITUTION AT THE A-SITE ON THE STRUCTURAL AND ELECTRICAL PROPERTIES OF ELECTRON-DOPED LA-BASED MANGANITES</td>
<td>ELECTRON-DRIVEN ENHANCEMENT OF RR4 DYE PHOTOELECTROCHEMICAL DEGRADATION USING ENR/PVC POLYMER BINDER AG-TiO$_2$</td>
</tr>
<tr>
<td>0900-0915</td>
<td>ID 109 - OMMY MADINA BINTI ABDUL HALIM</td>
<td>ID 69 – PROF MADYA DR NOR AZLIAN ABDUL MANAF (P)</td>
</tr>
<tr>
<td>UNIVERSITY TEKNOLOGI MARA CAWANGAN PERLIS</td>
<td>UNIVERSITI PERTAHANAN NASIONAL MALAYSIA</td>
<td>UNIVERSITI TEKNOLOGI MARA CAWANGAN PERLIS</td>
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<td>MODIFICATION ON PT DOPED TiO$_2$ SUPPORTED VARIOUS DYES SENSITIZER FOR HYDROGEN PRODUCTION UNDER PHOTO ELECTROCHEMISTRY PROCESS</td>
<td>GRADED BANDGAP DEVICE ARCHITECTURE TO ENHANCE EFFICIENCY OF PEROVSKITE SOLAR CELLS</td>
<td>COMPARISON STUDY ON IMMOBILIZED AG-TiO$_2$/ENR/PVC USING DIFFERENT PREPARATION METHOD FOR PHOTODEGRADATION OF METHYLENE BLUE DYE</td>
</tr>
<tr>
<td>Time</td>
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| 0915-0930 | 0915-0930 | ID 101 - NUR SYAMIMI BINTI MOHD ABD ADZIS  
UNIVERSITI TEKNOLOGI MARA CAWANGAN PERLIS  
ENHANCEMENT THE ROLE OF PLATINUM AS ELECTRON MEDIATOR IN Z SCHEME PLATINUM DOPED BISMUTH TUNGSTATE/GRAFHITIC CARBON NITRIDE VIA IN-SITU AND ONE-STEP SYNTHESIS FOR PHOTODEGRADATION OF RHODAMINE B DYES | UNIVERSITI TEKNOLOGI MARA CAWANGAN PERLIS  
ENHANCEMENT THE ROLE OF PLATINUM AS ELECTRON MEDIATOR IN Z SCHEME PLATINUM DOPED BISMUTH TUNGSTATE/GRAFHITIC CARBON NITRIDE VIA IN-SITU AND ONE-STEP SYNTHESIS FOR PHOTODEGRADATION OF RHODAMINE B DYES |
|         |         | ID 62 – CHAN KOK SHENG (V)  
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GE PASSIVATION FOR A QUASI 2D/3D PEROVSKITE SOLAR CELL |
| 0945-1000 | 0945-1000 | ID 100 - RAHIL BINTI AZHAR  
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Parallel Session 3

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Chairperson: DR NABILAH AKEMAL MUHD ZAILANI

**Room 2**
Hybrid Physical (P) & Virtual (V)
Chairperson: DR ZULIAHANI AHMAD

**Room 3**
Hybrid Physical (P) & Virtual (V)
Chairperson: DR SOLHAN YAHYA
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Research, Industry, Community, Alumni, Entrepreneurship & Network (RICAEN)
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02600, Arau, Perlis, Malaysia