


PROGRAM BOOK



Organized By:



IRCASE 2020



**INTERNATIONAL RESEARCH
CONFERENCE ON APPLIED SCIENCES
AND ENGINEERING 2020
(IRCASE 2020)**

13 - 14 DECEMBER 2020

VIRTUAL CONFERENCE

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WELCOME NOTE

International Research Conference on Applied Sciences and Engineering 2020 (IRCASE 2020)

Bismillahirrahmanirahim.

Assalamualaikum warahmatullahi wabarakatuh and Salam Sejahtera.

On behalf of GAE, it is my great pleasure to welcome all the delegates to International Research Conference on Applied Sciences and Engineering 2020 (IRCASE 2020).

The conference supposedly will be held at Kota Bharu, however due to Covid 19 pandemic, we have changed the way we work, learn and interact according to new social norms which has led to more virtual engagements both professionally and personally. Now you can present your paper from the comfort of your home. Just send us your 10-15 minutes pre-recorded video presentation and slide. The video will be posted in GAE YouTube channel and Facebook page on the conference day. It saves time, money and more importantly, we stay safe. It's the New Normal!

My profound thanks go to the whole team for the impressive work they have done. Nothing would be possible without the excellent work of a very hard-working team, particularly Ms Zafira and Ms Atikah, whose have put together an engaging programme. Additionally, I would like to warmly thank all the authors who, with their presentations, generously contributed to the lively exchange of knowledge and information that is so vital to the endurance of virtual Conference of this kind.

Thank you and my best wishes to all.



MUHAMAD FIRDAUS ABDULL RAZAB

Director

Global Academic Excellence (M) Sdn Bhd



CONFERENCE COMMITTEES

Chairman	Ts. Dr. Wan Azani Wan Mustafa <i>Universiti Malaysia Perlis</i> <i>wanazani@unimap.edu.my</i>
Treasurer	Zafira binti Zainudin
Technical Committee	Norhaslinda Mohd Kamil
Technical Reviewer	Asst. Prof. Dr. Raja Norshad Jamil <i>University of Management and Technology</i>
	Dr. Ferial Ghaemi <i>Universiti Putra Malaysia</i>
	Dr. Ali Tighnavard Balasbaneh <i>Universiti Teknologi Malaysia</i>
Liaison Officer	Nuratikah Amid Dudin

TENTATIVE PROGRAM

- 1) Due to Pandemic COVID-19, all the presentation will be conducted through Online Video Presentation (OVP)
- 2) Participants can view Online Video Presentation (OVP) Slot through our YouTube Channel (Global Academic Excellence GAE: <https://www.youtube.com/channel/UCY0GQiQ5qY0kDT1VooKLrLw>) or our Facebook Page (GAExcellence: <https://www.facebook.com/GAExcellence>)
- 3) The list of Presenter will be provided in Programme Book that can be download in our website on the conference day.
 - <https://submit.confbay.com/thisconf/dwnl?view=download&acid=848>
 - <http://ircase2020.egax.org/?ref=&option=template>
- 4) Participants can respond if there is any comment in the video. Presenter should answer any comment/question from the audience.
- 5) Certificate and Proceeding will be emailed to participants within a week after conference day.

PRESENTATION INFORMATION

Presenter Name: Salmi Nur Ain Sanusi

Institutions: UiTM Cawangan Johor Kampus Pasir Gudang

Paper Title: Risk Assessment in Chemistry Laboratory, Faculty of Chemical Engineering, UiTM Pasir Gudang Campus

Video Link: <https://youtu.be/c6KehXbXKY>

Presentation Slide Link:

https://drive.google.com/file/d/1cAQe_5hGsr7YdeKxlzK7EzMxlu_r9Hkl/view?usp=sharing

Presenter Name: Nik Rashida Nik Abdul Ghani

Institutions: International Islamic University Malaysia

Paper Title: Dynamic Adsorption Of Lead By Novel Graphene Oxide-Polyethersulfone Nanocomposite Membrane In Fixed-Bed Column

Video Link: <https://youtu.be/QX4XVcgPoPs>

Presentation Slide Link:

https://drive.google.com/file/d/18LOOWbyEA_EJfUxloe8GramqOPq_QnyX/view?usp=sharing

Presenter Name: Amina Tahreen

Institutions: International Islamic University Malaysia

Paper Title: Advances In Antifouling Strategies In Crossflow Ultrafiltration: A Brief Review

Video Link: <https://youtu.be/q8SIKQxk9v4>

Presentation Slide Link:

https://drive.google.com/file/d/1vCDHHaejnS_Kod_CLNzJaYkuZ6AEBNoz/view?usp=sharing

Presenter Name: Maya Dehimi

Institutions: IIUM

Paper Title: Genotypic And Phenotypic Characterisation Of Isolated Marine Bacteria And Its Potential To Produce Alkaline Protease

Video Link: <https://youtu.be/ozlNiHxrN0I>

Presentation Slide Link: https://drive.google.com/file/d/1AqLYtaWBq8n_je4udb-mX706aAP_NznV/view?usp=sharing

Presenter Name: Zulkurnain Hassan

Institutions: Universiti Malaysia Sabah

Paper Title: Experimental Performance Analysis Of A Direct Evaporative Cooler

Video Link: <https://youtu.be/iyxd96I308s>

Presentation Slide Link: <https://drive.google.com/file/d/1QVAH0X5-b-A0FV71Q0s0LcuTvmij5U2A/view?usp=sharing>

Presenter Name: Noorsabrina M Salbi

Institutions: UTHM

Paper Title: The Effect Of Maltodextrin And Acacia Gum On Encapsulation Of Fig Powder
Physicochemical Properties

Video Link: <https://youtu.be/wJkBcDN9qMM>

Presentation Slide Link: <https://drive.google.com/file/d/1at-gx3V5mwFI2uTjibXATnUtrMMhKMSs/view?usp=sharing>

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Presenter Name: Nur Syamimi Rusli

Institutions: Politeknik Port Dickson

Paper Title: Interaction And Optimization Of Machine Parameter Towards Mechanical Properties Of New
Composed Composite : Dynaglass PPG 3637

Video Link: <https://youtu.be/5GSya5dw18Q>

Presentation Slide Link: <https://drive.google.com/file/d/1rTy-1z0sHlt7i134Ay58U75g0NObffA1/view?usp=sharing>

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Presenter Name: Verawaty Ismail

Institutions: Polytechnic Mukah

Paper Title: Effect Of Fibre Direction On Repairing Tensile Failure Of Glass Fibre/Polyester Composite

Video Link: <https://youtu.be/IT685q-BZus>

Presentation Slide Link: <https://drive.google.com/file/d/1OwfLSndQ6DE-8vKeVuX4qyqsVXyR4Dqn/view?usp=sharing>

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Presenter Name: Mohd Suffian Misaran

Institutions: Universiti Malaysia Sabah

Paper Title: Experimental Investigation On The Effect Of Divergent Tower Solar Chimney On The
Theoretical Power Potential

Video Link: <https://youtu.be/CHNZO1RnvMo>

Presentation Slide Link:

https://drive.google.com/file/d/1918vmRObqXcjQ2oO_hf6UInKRjUhGCLT/view?usp=sharing

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Presenter Name: Siti Nurul Akmal Yusof

Institutions: Universiti Teknologi Malaysia

Paper Title: A Short Review on RANS Turbulence Models

Video Link:

Presentation Slide Link:

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GAE'S CONFERENCES 2021



2nd PIMC 2021

2nd Penang International Multidisciplinary Conference 2021 (2nd PIMC 2021)

Date: 23-24 January 2021

Venue: Penang, Malaysia

Website: <https://submit.confbay.com/conf/pimc2> @ <http://2pimc2021.egax.org/>

Email: pimcconferences@gmail.com; conference2@egax.org



4th ICBSS 2021

4th International Conference on Global Business and Social Science 2021 (4th ICBSS 2021)

Date: 20-21 February 2021

Venue: Kuala Lumpur, Malaysia

Website: <https://submit.confbay.com/conf/4icgbss2021> @ <http://icgbss2021.egax.org/>

Email: icgbsofficial@gmail.com; conference2@egax.org



3rd LIMC 2021

3rd Langkawi International Multidisciplinary Conference 2021 (3rd LIMC 2021)

Date: 13-14 March 2021

Venue: Langkawi, Malaysia

Website: <https://submit.confbay.com/conf/limc3> @ <http://3limc2021.egax.org/>

Email: limcconf2019@gmail.com; conference2@egax.org



6th ICEBIT 2021

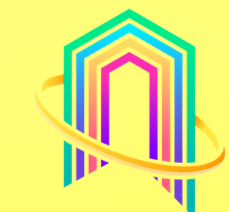
6th International Conference on Education, Business, Islamic and Technology 2021 (6th ICEBIT 2021)

Date: 3-4 April 2021

Venue: Ipoh, Perak, Malaysia

Website: <https://submit.confbay.com/conf/icebit6> @ <http://icebit2021.egax.org/>

Email: icebitofficial@gmail.com; conference2@egax.org



5th ICBTT 2021

5th International Conference Business, Tourism and Technology 2021 (5th ICBTT 2021)

Date: 24-25 April 2021

Venue: Online

Website: <https://submit.confbay.com/conf/icbtt5> / <http://icbtt2021.egax.org/>

Email: icbttofficial@gmail.com; conference2@egax.org



3rd IRCMST 2021

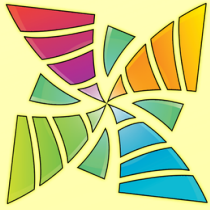
3rd International Research Conference on Multidisciplinary in Social Sciences and Technology 2021 (3rd IRCMST 2021)

Date: 26-27 June 2021

Venue: Cameron Highland, Malaysia

Website: <https://submit.confbay.com/conf/ircmst3> @ <http://ircmst2021.egax.org/>

Email: ircmstofficial@gmail.com; conference2@egax.org



4th ICTTBM 2021

4th International Conference on Tourism, Technology and Business Management 2021 (4th ICTTBM 2021)

Date: 1-2 August 2021

Venue: Kota Bharu, Kelantan, Malaysia

Website: <https://submit.confbay.com/conf/icttbm4> @ <http://icttbm2021.egax.org/>

Email: icttbmofficial@gmail.com; conference2@egax.org



4th IRCHST 2021

4th International Research Conference on Humanities, Social Sciences and Technology 2021 (4th IRCHST 2021)

Date: 21-22 August 2021

Venue: Kuala Lumpur, Malaysia

Website: <https://submit.confbay.com/conf/irchst4> @ <http://irchst2021.egax.org/>

Email: icgbssofficial@gmail.com; conference2@egax.org



3rd PIMC 2021

3rd Penang International Multidisciplinary Conference 2021 (3rd PIMC 2021)

Date: 25-26 September 2021

Venue: Penang, Malaysia

Website: <https://submit.confbay.com/conf/pimc3> @ <http://3pimc2021.egax.org/>

Email: pimcconferences@gmail.com; conference2@egax.org



6th ICSHT 2021

6th International Conference on Social Sciences, Humanities and Technology 2021 (6th ICSHT 2021)

Date: 23-24 October 2021

Venue: Sabah, Malaysia

Website: <https://submit.confbay.com/conf/icsht6> @ <http://icsht2021.egax.org/>

Email: icshtofficial@gmail.com; conference2@egax.org



4th LIMC 2021

4th Langkawi International Multidisciplinary Conference 2021 (4th LIMC 2021)

Date: 20-21 November 2021

Venue: Langkawi, Malaysia

Website: <https://submit.confbay.com/conf/limc4> @ <http://4limc2021.egax.org/>

Email: limcconf2019@gmail.com; conference2@egax.org



5th ICIEL 2021

5th International Conference on Islamic, Education and Law 2021 (5th ICIEL 2021)

Date: 18-19 December 2021

Venue: Ipoh, Perak, Malaysia

Website: <https://submit.confbay.com/conf/iciel5> @ <http://iciel2021.egax.org/>

Email: ircmstofficial@gmail.com; conference2@egax.org

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