

POPSIG Research and Design Showcase 2022

Date: Monday 26 September 2022

Time: 9:00 a.m. to 4:00 p.m. MYT (GMT+8)

Venue: Matahari I (Level 3), Bangi Resort Hotel, Bandar Baru Bangi, Selangor Darul Ehsan, Malaysia

Webpage: www.icheme.org/award-ceremony-2022

Online PDF brochure:

<https://www.icheme.org/media/18931/programme.pdf>

Register for online participation:

<https://forms.office.com/r/aWhdUyhbq9>

Updated: 5:30 pm, 22 September 2022 – version 2.2

2021 POPSIG Student Research Project Bursary

Paper 1 9:30 am	Brenda Lim Ai-Lian <i>UTAR</i>	Synthesis of Carbon Nanoparticles from Oil Palm Empty Fruit Bunch as Electro-catalyst for Energy Storage https://www.icheme.org/media/18950/2021-research-brenda-lim-ai-lian.pdf
Paper 2 9:45 am	Jocelyn Lim Jean Yi <i>Xiamen</i>	Palm Oil Mill Effluent Waste Treatment using TiO ₂ /Ti ₃ C ₂ T _x MXene Composite Aerogel via Photocatalytic Degradation Process https://www.icheme.org/media/18952/2021-research-jocelyn-lim-jean-yi.pdf
Paper 3 10:00 am	Jonathan Cheng Lin Yang <i>Swinburne</i>	Thermogravimetric Analysis and Combined Kinetic Study on the Pyrolysis of Empty Fruit Bunches Lignin Extracted using Sucrose-malic Acid-water Low Transition Temperature Mixture https://www.icheme.org/media/18951/2021-research-jonathan-cheng-lin-yang.pdf
Paper 4 10:15 am	Melvin Wee Xin Jie <i>Curtin</i>	The Potentials of Co-pyrolysis of Empty Fruit Bunch and Disposable Face Mask Wastes https://www.icheme.org/media/18941/2021-research-melvin-wee-xin-jie.pdf

2022 POPSIG Best Final Year Design Award

Paper 5 1:15 pm	<ul style="list-style-type: none">Abdulqader Mohammed Alawi Bin SahlThuppahimudalige Chandeepea Lakshith FernandoBong Zhang YingTharindu Dayan Buddhika SiyambalapitiyaOsob Abdullahi MohamudShaffaf Thajudheen	Title: Sustainable Production of Palm Oil-derived Biodiesel https://www.icheme.org/media/18953/2022-design-swinburne.pdf <i>Bachelor of Engineering (Honours) in Chemical Engineering Swinburne University of Technology, Sarawak Campus</i>
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Paper 6 2:00 pm	Yeow Teck Ann <i>Xiamen</i>	Valorisation of Blended Palm Oil Mill Effluent (POME) Sediment and Oil Palm Frond (OPF) as the Substrate for Black Soldier Fly Larvae (BSFL) https://www.icheme.org/media/18943/2022-research-intro-yeow-teck-ann.pdf
Paper 7 2:20 pm	Lai Jia Yen <i>Swinburne</i>	CO2 Adsorption Study of Concurrent Activated and Modified Palm Kernel Shell Derived Activated Carbon https://www.icheme.org/media/18940/2022-research-intro-lai-jia-yen.pdf
Paper 8 2:40 pm	Ng Wai Lun <i>Taylor's University</i>	Potential of Glycerin Pitch (GP) in Mixed Culture Polyhydroxyalkanoate (PHA) Production: Component Characterizations and Organic Loading Rate Optimization https://www.icheme.org/media/18944/2022-research-intro-ng-wai-lun.pdf

Questions & comments

Have a question about presentation content? Enter your question at: <https://forms.office.com/r/KWUvxUCU9U>