

UCSI University Top Papers

Journal Publications | Full details on the publications are available at the website

JANUARY 2026

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY

Thermo-scalar flame structure and NH₂ radical chemistry in NH₃/CH₄ and NH₃/Biogas swirl combustion

<https://doi.org/10.1016/j.ijhydene.2025.152997>

T.W. Yang, X. Zhao, S. Xian, G.R. Mong, J.B. Ooi, K.Y. Wong, W.H. Lim, W-C Wang, **Meng-Choung Chiong**



FOOD AND BIOPRODUCTS PROCESSING

Improving betacyanins stability by sustainable application of xanthan gum, CMC and citric acid in fermented red dragon fruit drink: Long-term storage, bio-accessibility and antioxidant activity

<https://doi.org/10.1016/j.fbp.2025.12.008>

T.W. Lim, R.L.H. Lim, L.P. Pui, C.P. Tan, **Chun Wai Ho**



FOOD AND CHEMICAL TOXICOLOGY

Neurobiology of chronic caffeine use and withdrawal: Mechanisms, effects and implications

<https://doi.org/10.1016/j.fct.2025.115817>

Y.Z. Lee, K.N. Chua, F-L Voon, C.L. Tham, Y-Cho, **Ming Tatt Lee**

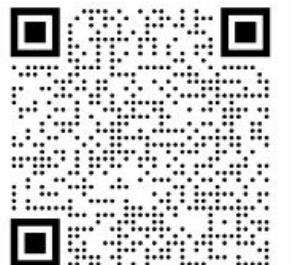


BIOMASS AND BIOENERGY

Characterization and pyrolysis kinetic modelling of lignocellulosic waste from rambutan seeds: A machine learning approach

<https://doi.org/10.1016/j.biombioe.2025.108426>

B. Hazmi, H. Farooq, **Umer Rashid**, W.A.W. Ab Karim Ghani, T.C.S Yaw, C. Ngamcharussrivichai, I. Ali



JOURNAL OF ENVIRONMENTAL MANAGEMENT

The sustainability cost of political crises: Do geopolitical risks affect the implementation of environmental policies?

<https://doi.org/10.1016/j.jenvman.2025.128495>

Ahsan Anwar, D. Balsalobre-Lorente, A. Sharif, Q.R. Syed



INTERNATIONAL JOURNAL OF CONSUMER STUDIES

The voice of commerce: A systematic review and integrative framework for digital voice assistants

<https://doi.org/10.1111/ijcs.70159>

Z. Wu, **Eugene Cheng-Xi Aw**, **Garry Wei-Han Tan**, C-W (Chloe) Ki



JOURNAL OF TEACHING IN TRAVEL & TOURISM

The friend-foe paradox of ChatGPT in hospitality and tourism education: a systematic literature review and future research directions

<https://doi.org/10.1080/15313220.2025.2611279>

Md.T. Islam, J. Kumar, R. Konar, **Muslim Amin**, N.A. Ragavan, C. Cobanoglu



BMC PUBLIC HEALTH

Prevalence and predictors of anxiety and depression among breast cancer patients in low-and middle-income countries: a cross-sectional study

<https://doi.org/10.1186/s12889-025-25673-x>

Z. Sharif, M. Ashfaq, Q. Khan, A. Khan, G. Bhatti, M.J.H. Sharif, **Muhammad Junaid Farrukh**, A. Siddiqua



INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE SYSTEMS

Process innovation via adaptive multi-exemplar driven optimization: Enhancing engineering design and global optimization performance

<https://doi.org/10.1007/s44196-025-01086-x>

A. Sharma, **Wei Hong Lim**, T. Berghout, M.C. Chiong, A.A. Alhussan, D.S. Khafaga, M.M. Eid, El-kenawy M. El-Sayed

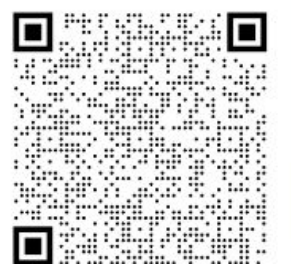


ROYAL SOCIETY OPEN SCIENCE

Carbonized UiO-66 with Ni nanoparticles for PFAD deoxygenation to green diesel hydrocarbons: characterization, optimization and deactivation analysis

<https://doi.org/10.1098/rsos.250756>

B. Hazmi, **Umer Rashid**, M.J. Sabater, G.M.S. Alvaro, N. Hinchiranan, A. Chotirattanachote, C. Ngamcharussrivichai



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MARKETING INTELLIGENCE & PLANNING

Ethical marketing: A review and research agenda

<https://doi.org/10.1108/MIP-01-2024-0007>

O. Dastane, **Eugene Cheng-Xi Aw**, J.C. Fandos-Roig, J. Sánchez-García



SUSTAINABLE COMPUTING: INFORMATICS AND SYSTEMS

Energy efficient optimization of peer-to-peer energy exchanges in microgrids using blockchain-enabled federated learning

<https://doi.org/10.1016/j.suscom.2025.101290>

Raenu Kolandaisamy, A.A. Kumar, A.N. Sasikumar, V. Sivakumar, G.K. Kamalam, M.K.M. Faizal, M. Mohzary



JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING

An efficient single and multiple object tracking and reidentification framework for drone based surveillance

<https://doi.org/10.1007/s12524-025-02402-w>

Ancy Micheal Antony Micheal, A.A. Micheal, G. Anurekha, B.U. Anu Barathi

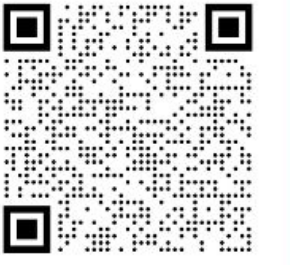


JMIR SERIOUS GAMES

Effects of game-based learning on piano music knowledge among elementary school pupils: Pretest-posttest Quasi-experimental study

<https://doi.org/10.2196/80766>

Y. Wang, **Wee Hoe Tan**, Q. Ye, T. Gu



PROGRESS IN ADDITIVE MANUFACTURING

Tribological behaviour of 3D printed graphene based polymer nanocomposites: an experimental investigation

<https://doi.org/10.1007/s40964-025-01364-2>

Kalaimani Markandan, K. Kumar, E. Natarajan, C.K. Ang, S. Ramanathan, M. Khalid

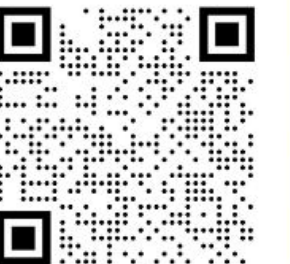


SUSTAINABLE DEVELOPMENT

Powering China SMEs' sustainable performance: A combined importance-performance map analysis

<https://doi.org/10.1002/sd.70206>

F. Wang, **Eugene Cheng-Xi Aw**, S.H-W. Chuah, Y. Zhang



PHARMACEUTICS

Peripheral analgesic effect of a novel curcuminoid derivative: Possible involvement of peripheral opioid receptor and ATP-sensitive potassium ion channel

<https://doi.org/10.3390/pharmaceutics18010141>

Ming Tatt Lee, Y-C. Ho, C.L. Tham, A. Akira, N. Lajis, D.A. Israf, M.R. Sulaiman

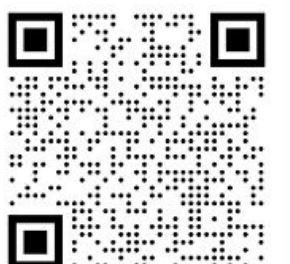


DRUG DELIVERY AND TRANSLATIONAL RESEARCH

Development of sustained release injectable phospholipid-based phase transition gel matrixed with Piracetam and cannabidiol loaded nanoemulsion for amelioration of Alzheimer's therapy

<https://doi.org/10.1007/s13346-025-02017-1>

M. Shahrukh, M. Adil, **Nazeer Hasan**, F.J. Ahmad



FOOD AND BIOPRODUCTS PROCESSING

Improving betacyanins stability by sustainable application of xanthan gum, CMC and citric acid in fermented red dragon fruit drink: Long-term storage, bio-accessibility and antioxidant activity

<https://doi.org/10.1016/j.fbp.2025.12.008>

T.W. Lim, R.L.H. Lim, L.P. Pui, C.P. Tan, **Chun Wai Ho**



RICERCHE DI MATEMATICA

Fractional poisson distribution: some properties and parameter estimation

<https://link.springer.com/article/10.1007/s11587-024-00903-3>

S. Vasudevan, **Seng Huat Ong**, C.M. Ng

