

UCSI University Top Papers

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APRIL 2026

IEEE OPEN JOURNAL OF THE COMMUNICATIONS SOCIETY

Optimized hybrid beamforming for RIS-assisted multi-user MIMO in 6G mmWave networks: A low-complexity approach to spectral efficiency and interference mitigation

<https://doi.org/10.1109/OJCOMS.2026.3674160>

T.S.N. Al-Jaradi, M.K. Hasan, N. Al-Qirim, **Shayla Islam**, T.R. Gadekallu, H. Mujlid



INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH

Blockchain innovations for addressing pharmaceutical counterfeit in the global supply chain: A PLS-ANN approach

<https://doi.org/10.1080/00207543.2025.2581253>

R.A. Abumalloh, **Mehrbakhsh Nilashi**, S.H.B. Tapsir, W.H. Shyu, G.T.W. Han, **Ooi Keng Boon**



JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION

Nanoemulsion-enhanced gelatin-chitosan edible films with kesum (*Persicaria minus* Huds.) essential oil: A novel antibacterial packaging for minced beef

<https://doi.org/10.1007/s11694-025-03908-0>

I. Kong, L.P. Pui, P. Degraeve, Y. Wang, Y. Li, **Kar Lin Nyam**



INFLAMMOPHARMACOLOGY

Pharmacological effects of cardamomin in metabolic diseases: a review on preclinical studies

<https://doi.org/10.1007/s10787-026-02191-9>

A. Zhang, A.R. Muthanna, Y.Z. Lee, X.X. Yew, R. Selvanathan, Z.S.R. Gan, J.W. Tan, Y-C. Ho, **Ming Tatt Lee**, C.L. Tham



CLEANER ENGINEERING AND TECHNOLOGY

A hybrid data-physics fusion approach for energy-efficient and comfort-oriented real-time HVAC optimisation with dynamic occupant perception

<https://doi.org/10.1016/j.clet.2026.101181>

B. Li, J.C.E. Yong, L.J. Yu, J.Y. Chan, E.U. Olugu, **Mohammed W. Muhiudeen**



OPERATIONS AND SUPPLY CHAIN MANAGEMENT

Factors affecting the consumer intention to purchase products with sustainable packaging in the e-commerce industry

<https://doi.org/10.31387/oscm0650515>

Y.J. Foo, S.X. Lin, **Leow Hon Wei**



SCIENTIFIC REPORTS

Uncertainty aware and explainable construction cost prediction using a hybrid probabilistic learning model

<https://doi.org/10.1038/s41598-026-44904-8>

L. Chen, O.W. Khalid, J-J. Tiang, S.S. Tiang, D-Y Shin, Y. Choo, A. Sharma, **Wei Hong Lim**



GREEN FINANCE

Analyzing the nexus between green finance, green production practices, and environmental quality in an Era of geopolitical uncertainty

<https://doi.org/10.3934/GF.2026007>

Ahsan Anwar, A. Abbas

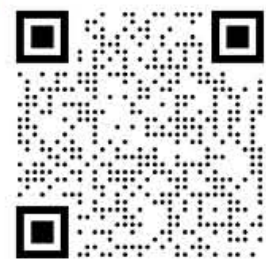


QUALITY ASSURANCE AND SAFETY OF CROPS & FOODS

Chemical properties of Indonesian aloe vera and its hepatoprotective activity by targeting reactive oxygen species and TACE protein: comparison between gel and whole parts

<https://doi.org/10.15586/qas.v17i4.1582>

S. Haryanti, M. Mujiyanto, N.M. Rahmah, A.E. Suryani, K. Nisa, S. Chokkakula, S.W. Chang, B. Ravindran, **Ravishankar Ram Mani**, S. Handayani



ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH

Microplastic contamination in commercial eyedrop products: detection and characterization study

<https://doi.org/10.1007/s11356-026-37664-5>

B. Paranjothy, E.S.S. Tan, C.K. Tan, N.A. Bustami, M.J.Y. Lee, R. Ahmad, S.N. Baharum, F. Amini, **Zhi Xin Phuna**

