

INDEXED-JOURNALS

1. A. Rahaman, S.N., Mat Yusop, J. Mohamed-Hussein, Z-A., Wan Mohd Aizat, Ho, K.L., Teh, A-H., Waterman, J., Tan, B.K., Tan, H.L., Li, A.Y., Chen, E.S. & Ng, C.L. 2018. Crystal structure and functional analysis of human C1ORF123. *PeerJ* 6:e5377. (Q2/ISI & SCOPUS)
2. A. Samad, A.F., Nazaruddin, Abdul Murad, A.M., Jani, J., Zainal, Z. & Ismail, I. 2018. Deep sequencing and in silico analysis of small RNA library reveals novel miRNA from leaf *Persicaria minor* transcriptome. *3 Biotech* (2018) 8:136. (Q3/ISI & SCOPUS)
3. Abd Hamid, N.A., Zainal, Z. & Ismail, I. 2018. Two members of unassigned type of short-chain dehydrogenase/ reductase superfamily (SDR) isolated from *Persicaria minor* show response towards ABA and drought stress. *Journal of Plant Biochemistry and Biotechnology* 27(3):260–271. (Q3/ISI & SCOPUS)
4. Abd Rasib, A.A., Tong, F.X., Mohamed-Hussein, Z-A. & Othman, R. 2018. Sequence analysis of terpene synthase cDNA from transcriptome profile of infected *Aquilaria Malaccensis*. *Malaysian Journal of Biochemistry and Molecular Biology* (2018) 21 (1): 71-72. (SCOPUS)
5. Abdul Fatah A. Samad, Muhammad Sajad, Jaeyres Jani, Abdul Munir Abdul Murad & Ismanizan Ismail. 2018. Data on degradome sequencing and analysis from mock-inoculated and *Fusarium oxysporum* treated leaves samples in *Persicaria minor*. *Data in Brief* 20 (2018) 555–557. (SCOPUS)
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9. Akbar, M.A., Ahmad, A., Usup, G. & Bunawan, H. 2018. Current knowledge and recent advances in marine dinoflagellate transcriptomic research. *Journal of Marine Science and Engineering* 2018, 6(1), 13; <https://doi.org/10.3390/jmse6010013>. (ISI & SCOPUS)
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11. Ashari, K-S., Abdullah-Zawawi, M-R., Harun, S. & Mohamed-Hussein, Z-A. 2018. Reconstruction of the transcriptional regulatory network in *Arabidopsis thaliana* aliphatic glucosinolate biosynthetic pathway. *Sains Malaysiana* 47(12): 2993-3002. (Q3/ISI & SCOPUS)
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14. Bharudin, I., Abu Bakar, M.F., Hashim, N.H.F., Mat Isa, M.N., Alias, H., Firdaus-Raih, M., Md Illias, R., Najimudin, N., Mahadi, N.M., Abu Bakar, F.D., Abdul Murad, A.M. 2018. Unravelling the adaptation strategies employed by *Glaciozyma antarctica* P12 on Antarctic sea ice. *Marine Environmental Research* 137, pp. 169-176. (Q1/ISI & SCOPUS)
15. C.R.A. Duff-Farrier, D.R. Mbanzibwa, S. Nanyiti, H. Bunawan, J.L. Pablo-Rodriguez, K.R. Tomlinson, A.M. James, T. Alicai, S.E. Seal, A.M. Bailey, G.D. Foster. 2018. Strategies for the construction of cassava brown streak disease viral infectious clones. *Molecular Biotechnology* (2018). <https://doi.org/10.1007/s12033-018-0139-7>. (Q3/ISI & SCOPUS)
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19. Fazry, S., Noordin, M.A.M., Sanusi, S., Noor, M.M., Aizat, W.M., Lazim, A.M., Dyari, H.R.E., Jamar, N.H., Remali, J., Othman, B.A., Law, D., Sidik, N.M., Cheah, Y.H. & Lim Y.C. 2018. Cytotoxicity and toxicity evaluation of xanthone crude extract on hypoxic human hepatocellular carcinoma and zebrafish (*danio rerio*) embryos. *Toxics* 6(60): 1-10. (SCOPUS)
20. Firdaus-Raih M., Hashim, N.H.F., Bharudin, I., Abu Bakar, M.F., Huang, K.K., Alias, H., Lee, B.K.B., Mat Isa, M.N., Mat-Sharani, S., Sulaiman, S., Tay, L.J., Zolkefli, R., Muhammad Noor, Y., Law, D.S.N., Abdul Rahman, S.H., Md-Illias, R., Abu Bakar, F.D., Najimudin, N., Abdul Murad, A.M. & Mahadi, N.M. 2018. The *Glaciozyma antarctica* genome reveals an array of systems that provide sustained responses towards

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 23. Govender, N., Senan, S., Sage, E.E., Mohamed-Hussein, Z.A., Mackeen, M.M. & Wickneswari, R. 2018. An integration of phenotypic and transcriptomic data analysis reveals yield-related hub genes in *Jatropha curcas* inflorescence. *PLoS ONE* 13(9): e0203441. (Q1/ISI & SCOPUS)
 24. Gunasekaran, D., Bunawan, H., Ismail, I. & Normah, M.N. 2018. Data on Fourier transform-infrared of *Cosmos caudatus* Kunth. Tissues analyzed with chemometric analysis. *Data in Brief* 19(2018)1423–1427. (SCOPUS)
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 26. Hamezah, H.S., Durani, L.W., Yanagisawa, D., Ibrahim, N.F., Wan Mohd Aizat, Bellier, J.P., Makpol, S., Wan Ngah, W.Z., Damanhuri, H.A. & Tooyama, I. 2018. Proteome profiling in the hippocampus, medial prefrontal cortex, and striatum of aging rat. *Experimental Gerontology* 111 (2018) 53–64. (Q1/ISI & SCOPUS)
 27. Hassan, M., Yusoff, N., Wan Mohd Aizat, Othman, N.W. & Abd Ghani, I. 2018. Optimization method for proteomic analysis of the larva and adult tissues of *Plutella xylostella* (L.) (Lepidoptera: Plutellidae). *Sains Malaysiana* 47(12)(2018): 2975–2983. (Q3/ISI & SCOPUS)
 28. Ilias, I.A., Negishi, K., Yasue, K. Jomura, N., Morohashi, K., Baharum, S.N., Goh, H-H. 2018. Transcriptome-wide effects of expansin gene manipulation in etiolated *Arabidopsis* seedling. *Journal of Plant Research* (2018). <https://doi.org/10.1007/s10265-018-1067-0>. (Q2/ISI & SCOPUS)
 29. Intan Elya Suka, Nurfarhana Roslan, Bee Lynn Chew, Hoe Han Goh, Zamri Zainal, Nurulhikma Md Isa. 2018. Transformasi Gen PROTEOLISIS 6 (PRT6) Berperantarakan *Agrobacterium tumefaciens* ke dalam Kotiledon Tomato kultivar Micro Tom. *Sains Malaysiana* 47(7)(2018): 1465–1471. (Q3/ISI & SCOPUS)
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40. Mamat, S.F., Azizan, K.A., Baharum, S.N., Normah, M.N. & Wan Mohd Aizat. 2018. ESI-LC-MS based-metabolomics data of mangosteen (*Garcinia mangostana* Linn.) fruit pericarp, aril and seed at different ripening stages. *Data in Brief* 17 (2018): 1074-1077. (SCOPUS)
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INDEXED-PROCEEDINGS

1. L.W. Tan, C.S. Tan, A.R. Zuraida, H.M. Hossein, H-H, Goh., I. Ismanizan & Z. Zamri. 2018. Overexpression of auxin binding protein 57 from rice (*Oryza sativa* L.) increased drought and salt tolerance in transgenic *Arabidopsis thaliana*. *IOP Conference Series: Earth and Environmental Science* 197 012038. (SCOPUS)
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NON-CITATION-INDEXED JOURNAL

1. Imran, S.S., Rahim Ahmad, R.A., Tan, C.S. & Zainal, Z. 2018. Pengoptimuman jenis substrat dan kandungan air benih cendawan untuk pertumbuhan miselium cendawan jerami padi *Volvarella volvacea*. Undergrad. Res. J. Biomol. Sci. Biotech. 1, 2018.
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