

Publications 2013

CITATION-INDEXED JOURNALS

1. Abosadiya, H.M., Hasbullah, S.A., Mackeen, M.M., Seow, C.L., Ibrahim, N., Mamoru Koketsu, M. & Yamin, B.M. 2013. Synthesis, characterization, X-ray structure and biological activities of C-5-Bromo-2-hydroxyphenylcalix[4]-2-methyl resorcinarene. *Molecules* 18(11): 13369-13384.
2. Ahmad, A., Ali, Z.M. & Zainal, Z. 2013. Delayed softening of papaya (*Carica papaya* L. cv. Sekaki) fruit by 1-methylcyclopropene (1-MCP) during ripening at ambient and low temperature storage conditions. *Australian Journal of Crop Science* 7(6): 750-757.
3. Andi R. Rosandy, Laily B. Din, W.A. Yaacob, Yusoff, N.I., I. Sahidin, Latip, J., Baharum, S.N. & Normah, M.N. 2013. Isolation and characterization of compounds from the stem bark of *Uvaria rufa* (annonaceae). *The Malaysian Journal of Analytical Sciences* 17 (1): 50 – 58.
4. Appasamy, S.D., Ramlan, E.I. & Firdaus-Raih, M. 2013. Comparative sequence and structure analysis reveals the conservation and diversity of nucleotide positions and their associated tertiary interactions in the riboswitches. *PLOS ONE* 8(9): e73984.
5. Bari, M.R., Hassan, M., Akai, N., Arima, J. & Mori, N. 2013. Gene cloning and biochemical characterization of 4-N--trimethylaminobutyraldehyde dehydrogenase II from *Pseudomonas* sp. 13CM. *World Journal of Microbiology & Biotechnology* 29(4): 683-692.
6. Ee, S.F., Oh, J.M., Normah, M.N., Kwon, T.R., Mohamed-Hussein, Z.A., Ismail, I. & Zainal, Z. 2013. Transcriptome profiling of genes induced by salicylic acid and methyl jasmonate in *Polygonum minus*. *Molecular Biology Reports* 40(3): 2231-2241.
7. Fernández, I.S., Ng, C.L., Kelley, A.C., Wu, G., Yu, Y.-T., Ramakrishnan, V. 2013. Unusual base pairing during the decoding of a stop codon by the ribosome. *Nature* 500 (7460): 107-110.
8. Ibrahim, S. & Normah, M.N. 2013. The survival of in vitro shoot tips of *Garcinia mangostana* L. after cryopreservation by vitrification. *Plant Growth Regulation* 70(3): 237-246.
9. Johari, N.A., Sidek, H.M., Othman, R. & Anuar, N. 2013. *Gracilaria changii* derived cholesterol cause necrotic cell death in an ovarian adenocarcinoma cell line, caov-3 through p38 MAPK and fasl activation in combination with ethanol. *Global Journal of Pharmacology* 7 (1): 01-13.
10. Loh, H.C., Tang, P.Y., Tee, S.F., Chow, T.J., Choong, C.Y., Lim, S.Y. & Yong, H.S. 2013. Neuregulin-1 (NRG-1) and its susceptibility to schizophrenia: a case-control study and meta-analysis. *Psychiatry Research* 208(2): 186-188.
11. Mohamad Zuldin, N.N., Said, I.M., Normah, M.N., Zainal, Z., Jin Kiat, C. & Ismail, I. 2013. Induction and analysis of the alkaloid mitragynine content of a *Mitragyna speciosa* suspension culture system upon elicitation and precursor feeding. *The Scientific World Journal* 2013: 209434.
12. Nadzirin, N., Willett, P., Artymiuk, P.J. & Firdaus-Raih, M. 2013. IMAAAGINE: a webserver for the searching of hypothetical 3D amino acid side chain arrangements in the Protein Data Bank. *Nucleic Acids Research* 41(Web Server): W432-W440.
13. Omar, M.A.Z. & Normah, M.N. 2013. Cryopreservation of Malayan kumquat (*Fortunella polyandra*) embryonic axes by vitrification. *Australian Journal of Crop Science* 7(6): 758-762.

14. Roslan, N.D., Tan, C.S., Ismail, I. & Zainal, Z. 2013. cDNA cloning and expression analysis of the chalcone synthase gene (CHS) from *Polygonum minus*. *Australian Journal of Crop Science* 7(6): 777-783.
15. S.A. Rahman, A.A. Bakar, & Mohamed-Hussein, Z.A. 2013. Feature selection on pectin lyase-like enzyme using computational methods. *Advanced Science Letters* 19(11): 3374-3380.
16. Shukor, M.F.A., Ismail, I., Zainal, Z. & Normah, M.N. 2013. Development of a *Polygonum minus* cell suspension culture system and analysis of secondary metabolites enhanced by elicitation. *Acta Physiologiae Plantarum* 35(5): 1675-1689.

NON-CITATION-INDEXED JOURNALS

1. Choong, C.Y. & Cheah, D.S.L. 2013. Odonata of Ayer Hitam Forest Reserve, Johor, Peninsular Malaysia. *Faunistic Studies in South-East Asian and Pacific Island Odonata* 2 (2013): 1-11.
2. Neoh, H.M., Mohamed-Hussein, Z.A., Tan, X.E., Raja Abd Rahman, R.M.F., Hussin, S., Mohamad Zin, N. & Jamal, R. 2013. Draft genome sequences of four nosocomial methicillin-resistant *Staphylococcus aureus* (MRSA) strains (PPUKM-261-2009, PPUKM-332-2009, PPUKM-377-2009, and PPUKM-775-2009) representative of dominant MRSA pulsotypes circulating in a Malaysian university teaching hospital. *Genome Announcement* vol. 1 no. 1 e00103-12.

OTHER PUBLICATIONS

1. Azlan, N.D.K., Normah, M.N., Zainal, Z. & Mat Isa, M.N. 2013. De novo assembly and RNA-Seq analysis of *Garcinia mangostana* transcriptome during seed germination using Illumina paired-end sequencing. *2nd Asian Regional Conference on Systems Biology (ARCSB)* 2013, 8-9 October 2013, Equatorial Hotel Bangi, Selangor. pg. 58.
2. Baharum, S.N., Azizan, K.A., Resson, H.W. & Normah, M.N. 2013. Metabolic flux analysis of *Lactococcus lactis* grown at different conditions revealed increased flux ratio towards pentose phosphate pathway. *International Conference on Environmental, Industrial and Applied Microbiology - BioMicroWorld2013*, 2-4 October 2013, Madrid, Spain. pg. 725.
3. Baharum, S.N., Azizan, K.A., Resson, H.W. & Normah, M.N. 2013. Metabolic flux of *Lactococcus lactis* subsp. cremoris at different growth conditions. *2nd Asian Regional Conference on Systems Biology (ARCSB)* 2013, 8-9 October 2013, Equatorial Hotel Bangi, Selangor. pg. 31.
4. Chong, H.L. & Othman, R. 2013. Functional characterization of UDP-glucose pyrophosphorylase cDNA clone from *Eucheuma denticulatum*. *Transactions of The Malaysian Society of Plant Physiology vol. 21: Plant Physiology in Addressing Green Economy*, 18-20 December 2012, Langkawi. pg. 203-206.
5. Goh, H.H. & Fleming, A.J. 2013. Regulating plant organ growth: The enigmatic role of expansins. *Transactions of The Malaysian Society of Plant Physiology vol. 21: Plant Physiology in Addressing Green Economy*, 18-20 December 2012, Langkawi. pg. 19-21.
6. Ilias, M.A., Ismail, A., Ramli, N., Mohammed-Hussein, Z.A. & Othman, R. 2013. Characterization of carrageenan biosynthetic genes in *Kappaphycus alvarezii* variety. *2nd Asian Regional Conference on Systems Biology (ARCSB)* 2013, 8-9 October 2013, Equatorial Hotel Bangi, Selangor. pg. 65.