

Journal of the Malaysian Society of Applied Biology

Cover : [Euterpina acutifrons](#) (Dana 1847). A coastal harpacticoid copepod commonly found in Malaysia. Photo is courtesy of Dr. Zaleha binti Kassim.

Review Article

Transposable elements and the detection of somaclonal variation in plant tissue culture

Azman, A.S., Mhiri, C., Grandbastien, M.A. and Tam, S.M.

| [Abstract & References](#) | [Full Text PDF](#) (778 KB)| pp. 1 |

Research Articles

Morphological and genetic variabilities of *Fusarium* species isolated from Kenaf

Nur Ain Izzati, M.Z., Mohd Aizat, Z., Siti Nordahliawate, M.S. and Mat Rasid, I.

| [Abstract & References](#) | [Full Text PDF](#) (358 KB)| pp. 13 |

Epitope mapping of Anti-YB-1 antibodies using truncated proteins

Wei, T.C. and Shamsuddin, S.

| [Abstract & References](#) | [Full Text PDF](#) (344 KB)| pp. 21 |

Fatty acid profiling of benthic harpacticoid (*Pararobertsonia* sp.) exposed to environmental stresses

Zaleha, K., Akbar John, Hidayah Asgnari, Al-Aama and Fuad, M.A.M.

| [Abstract & References](#) | [Full Text PDF](#) (506 KB)| pp. 31 |

Sulfate-reducing bacteria metabolite detection using GC-MS

Nawawi, M.F., Sahrani, F.K., Azizan, K.A., Ali, M.M., Ahmad, A. and Usup, G.

| [Abstract & References](#) | [Full Text PDF](#) (460 KB)| pp. 41 |

Life cycle assessment (LCA) for the production of palm biodiesel in Malaysia and Thailand

Norfaradila, J., Norela, S., Salmijah, S. and Ismail, B.S.

| [Abstract & References](#) | [Full Text PDF](#) (582 KB)| pp. 53 |

Synergistic effects of GSK3 and p38 MAPK inhibitors on growth of *Plasmodium falciparum ex vivo*

Marhalim, L., Embi, N. and Sidek, H.M.

| [Abstract & References](#) | [Full Text PDF](#) (508 KB)| pp. 65 |

Anti-plasmodial activity of engeletin isolated from *Artocarpus scortechinii*

Latip, J., Ali, A.H., Hassan, N., Shukor, N.I., Sidek, H.M. and Embi, N.

| [Abstract & References](#) | [Full Text PDF](#) (246 KB)| pp. 73 |

Preliminary study on simulation of climate change impacts on rice yield using DSSAT 4.5 at Tanjung Karang, Selangor

Shaidatul Azdawiyah, A.T., Sahibin, A.R. and Anizan, I.

| [Abstract & References](#) | [Full Text PDF](#) (149 KB)| pp. 81 |

The effect of Ethyl Methane Sulfonate (EMS) on regeneration and somaclonal variations of *Petunia*

(*Petunia hybrida* vilm.)

Sahi, N. and Ehsanpour, A.A.

| [Abstract & References](#) | [Full Text PDF](#) (409 KB)| pp. 91 |

Interactive effect of ammonium and nitrate on the nitrogen uptake and biomass production by *Chlorella vulgaris* in different environmental conditions

Taheri, R. and Shariati, M.

| [Abstract & References](#) | [Full Text PDF](#) (576 KB)| pp. 97 |

Comparison of RAPD-PCR and SDS-Page techniques to evaluate genetic variation among nine barley varieties (*deum* spp.)

Tahir, N.A.

| [Abstract & References](#) | [Full Text PDF](#) (423 KB)| pp. 107 |

Selected Research Articles from the Ninth National Biology Symposium 2013

Guest editors : Assoc. Prof. Dr. Nazlina Ibrahim, Dr. Norrakiah Abdullah Sani and Dr. Muhammad Ashraf Shahidan

Effective Hygromycin concentration for selection of *Agrobacterium*-mediated Transgenic *Arabidopsis thaliana*

Ee, S.F., Khairunnisa, M.B., Zeti-Azura, M.H., Noor Azmi, S. and Zamri, Z.

| [Abstract & References](#) | [Full Text PDF](#) (334 KB)| pp. 119 |

Molecular characterization of a lineage negative stem-progenitor cell population from human peripheral blood

Siti Norhaiza, H., Intan Zarina, Z.A., Rohaya, M.A.W., Sahidan, S. and Shahrul Hisham, Z.A.

| [Abstract & References](#) | [Full Text PDF](#) (654 KB)| pp. 125 |

Analisis aktiviti enzim dan elisa ke atas penanda biologi pergerakan gigi dalam cecair krevis gingiva

manusia semasa rawatan ortodontik

Nurfathiha, A.K., Rohaya, M.A.W., Sahidan, S., Abdul Aziz, J., Intan Zarina, Z.A., Zaidah, Z.A. and Shahrul Hisham, Z.A.

| [Abstract & References](#) | [Full Text PDF](#) (66 KB)| pp. 133 |

Research Note

Open circuit potential and electrochemical impedance spectroscopy studies on stainless steel corrosion by marine sulfate-reducing bacteria

Sahrani, F.K., Nawawi, M.F., Usup, G. and Ahmad, A.

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