

## Journal of the Malaysian Society of Applied Biology

Cover : [Anatomical stele apex structure of \*Psilotum nudum\* \(L.\) P. Beauv](#) . Photo courtesy of Affina Eliya Aznal Affenddi.

### Review Article

#### Applying molecular genetics to underutilised species – problems and opportunities

*Sean Mayes, Wai Kuan Ho, Presidor Kendabie, Hui Hui Chai, Siise Aliyu, Aryo Feldman, Razlin Azman Halimi, Festo Massawe and Sayed Azam-Ali*

| [Abstract & References](#) | [Full Text PDF](#) ( 805 KB)| pp. 1 |

## Research Articles

### **Anatomy of symbiotic fungal endophytes in *Psilotum nudum* (L.) P. Beauv**

*Affina, E., Noraini, T. and Nazlina, I.*

| [Abstract & References](#) | [Full Text PDF](#) ( 1226 KB)| pp. 11 |

### **Cloning, heterologous expression and characterisation of a recombinant cellobiohydrolase from *Humicola insolens* ATCC16454 in *Pichia pastoris***

*Amatul Samahah Md Ali, Farah Diba Abu Bakar, Rosli Md Illias, Osman Hassan and Abdul Munir Abdul Murad*

| [Abstract & References](#) | [Full Text PDF](#) ( 480 KB)| pp. 19 |

**A non-invasive technique for sex determination of monomorphic birds**

*Jessey Angat and Farida Zuraina Md Yusof*

| [Abstract & References](#) | [Full Text PDF](#) ( 61 KB)| pp. 27 |

**Establishment of sugar palm (*Arenga pinnata*) shoot from zygotic embryo in MS medium supplemented with different concentrations of benzylaminopurine.**

*Nur Suraya Abdullah, Noorshilawati Abdul Aziz and Asmah Awal*

| [Abstract & References](#) | [Full Text PDF](#) ( 643 KB)| pp. 31 |

**The behaviours and night disturbances of the green turtle in Penang Island, Peninsular Malaysia**

*Sarahaizad Mohd Salleh and Shahrul Anuar Mohd Sah*

| [Abstract & References](#) | [Full Text PDF](#) ( 116 KB)| pp. 37 |

**Analysis of bioactive phytochemical compounds of two medicinal plants horsetail *Equisetum arvense* and *Alchemilla vulgaris* seeds by using Gas Chromatography-Mass Spectrometry and Fourier-Transform Infrared Spectroscopy**

*Huda Jasim Altameme, Imad Hadi Hameed and Nidaa Adnan Abu-Serag*

| [Abstract & References](#) | [Full Text PDF](#) | [Supplemental Figures](#) ( 391 KB)| pp. 47 |

**Insect species composition in an under SRI management in Tanjung Karang, Selangor, Malaysia**

*Rabibah Razali, Salmah Yaakop, Maimon Abdullah, Siti Zafirah Ghazali and Ameyra Aman Zuki*

| [Abstract & References](#) | [Full Text PDF](#) ( 1051 KB)| pp. 59 |

**Research Note**

**New combination of primer pairs for PCR-DGGE detection of soil ciliates**

*Lee Ting Ting, Wong Sing King, Lau Wei Hong and Siti Ramlah Ahmad Ali*

| [Full Text PDF](#) ( 443 KB)| pp. 67 |

**Genetic diversity of *Eurycoma longifolia* Jack using Random Amplified Polymorphic DNA (RAPD) marker in forest reserve of Kenegarian Rumbio, Indonesia**

*Rosmaina, Rachmat Ashari and Zulfahmi*

| [Full Text PDF](#) ( 854 KB)| pp. 73 |