

Faculty of Resource Science & Technology

*e-Newsletter RLL, Issue 2***Special points of interest:**

- Research @ RLL
- Activities @ Pusat Penyelidikan Tumbuhan (PPT)
- Teaching & Learning Activities @ RLL

SDG 4 (Quality Education);

SD13 (Climate Action);

SDG 14 (Life Below Water)

SDG 15 (Life on Land)

SDG 8 (Decent work and Economic Growth)

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Visit from Yang Berhormat Dato' Sri Hajah Nancy Shukri, Minister of Tourism, Arts and Culture 24 September 2020



Yg Berhormat Dato' Sri Hajah Nancy Shukri visited UNIMAS on 24 September 2020 for potential professional and executive program in Biodiversity Tourism.

Research @ RLL

Anurans (Frogs) Spotted @ RLL

Assoc. Prof. Dr. Ramlah Zainudin (F07/SpTDG/1770/2018 and F07/FRGS/1871/2019)



Species name: *Fejervarya limnocharis*
Common name: Grass Frog/Kampung Frog



Species name: *Hylarana erythraea*
Common name: Green Paddy Frog



Species name: *Rhacophorus pardalis*
Common name: Harlequin Tree Frog



Species name: *Polypedetes leucomystax*
Common name: Four-lined Tree Frog



Species name: *Limnonectes paramacrodon*
Common name: Lesser Swamp Frog



Species name: *Pulchrana baramica*
Common name: Brown Marsh Frog



Species name: *Polypedetes colleti*
Common name: Collet's Tree Frog



Species name: *Kurixalus appendiculatus*
Common name: Frilled Tree Frog

Anuran of three families with eight species were spotted at the vicinity of RLL. These frog species were usually found at peat swamp ecosystems and some live commensally with human (3 species).

Artificial Bats House

Assoc. Prof. Dr. Faisal Ali Anwarali Khan

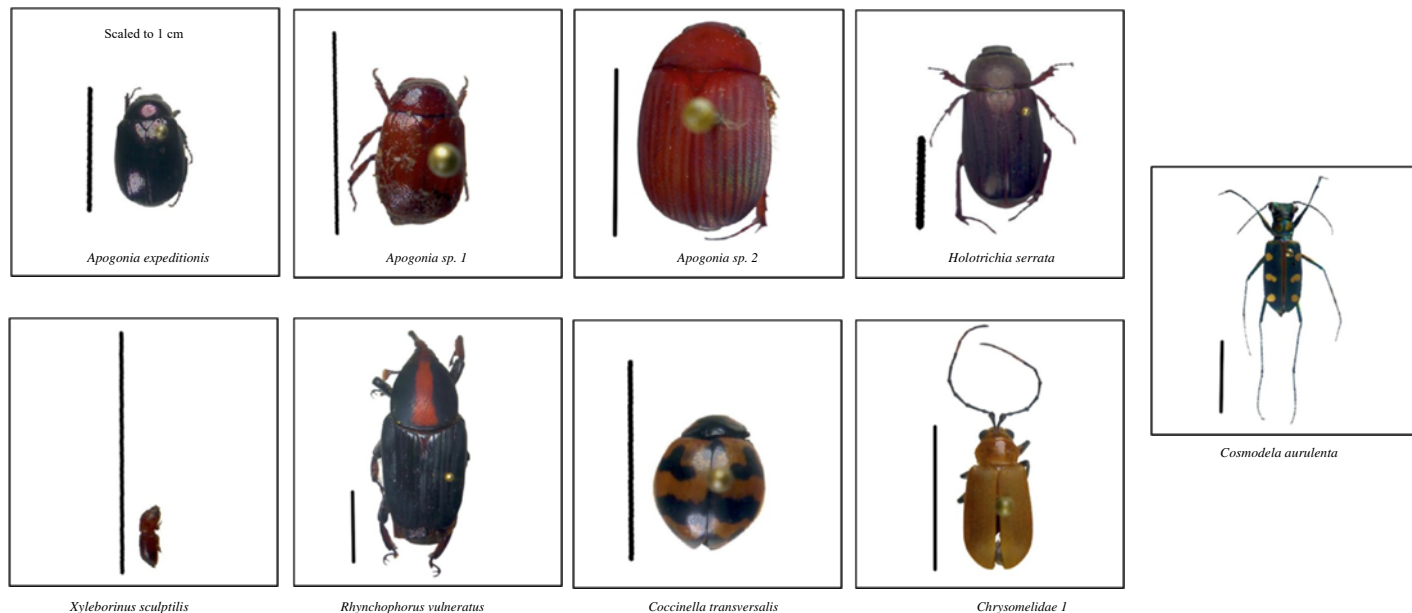
There are three artificial bats houses in RLL. They are expected to be occupied by the roosting bats in the near future. The bat house serves to educate visitors about its purpose, why bats should be protected and their critical ecological services.



Research @ RLL

Coleoptera (Beetles) Spotted @ RLL

Dr. Siti Nurlydia Binti Sazali @ Piksin, Ms Ratnawati Hazali, Mdm Wan Nurainie Wan Ismail (F07/SpTDG/1766/2018)



A total of 37 species of beetles, representing 13 families were spotted around RLL with Curculionidae and Scarabaeidae being the most commonly found.



Performance of protected wood against biological decay using accelerated testing in tropical Climate (GL/F07/DTI/2019)

Prof Dr Ismail Jusoh, Dr Mohamad Hasnul bin Bolhassan, Dr Samuel Lihan, Ms Mogeret binti Sidi



Properties of Bamboo Charcoal Produced by Different Carbonization Temperatures (GL/I04/SCBS/2019)

Prof Dr Ismail Jusoh



Utilization of Regenerated Cellulose Hydrogel from Cellulosic Waste for Controlled Release of Fertilizer (GL/F07/IFS/2018)

Assoc. Prof. Dr Chin Suk Fun, Dr Mohd Effendi Wasli, Dr Pang Suh Cem

Research @ RLL



Environmental friendly biological control of bagworm (Collaboration with UPM and Salcra)
Cik Mogeret Sidi



In-vitro propagation technique of pineapple varieties (Postgraduate project)
Dr Hashimah Elias, Dr Qammil Muzzammil



Ramin Conservation Project (Sarawak Energy Berhad and Forest Department Sarawak)
Dr Qammil Muzzammil @ Meekiong



Genetic variation, virulence and biocontrol of *Phytophthora capsici* causing foot rot of pepper (F07/FRGS/1877/2019)
Dr Vu Than Tu Anh, Dr Freddy Yeo, Prof Dr Awang Ahmad Sallehin bin Awang Husaini, Assoc Prof Dr Harry ak Entebang, Kueh Kiong Hook



Botanical and propagation of selected Orchid species in Sarawak (Proposed for SGS)

Dr Mohd Akmal Raffi, Dr Qammil Muzzammil @ Meekiong Abdullah, Dr Zinnirah Shabdin, Dr



Commercial production of indigenous Vanilla species of Sarawak (With GP Agriculture Sdn Bhd)

Dr Hashimah Elias, Dr Qammil Muzzammil, Dr Hafsa Nahravi, Dr Zinnirah Shabdin, Dr Mohd Akmal Raffi, Dr Mohd Effendi Wasli, Mogeret Sidi



Yield performance of Sarawak traditional rice (FRGS/STWN03 (01)/1210/2014(11))
Dr Hollena Nori, Dr Mohd Effendi bin Wasli, Hanafrey bin Ayub



Development of micropropagation techniques of *Ficus* species (Postgraduate project)
Dr Hashimah Elias

RLL is a platform to showcase the biodiversity, to transform natural science into translational research and an ecotourism spot.

Key Activities @ PPT



- A Charcoal Production Hut
- B Integrated Pet Management Trial
- C Herb Garden
- D UNIMAS-TAKASAGO Educational Nursery
- E Beneficial Plant
- F Local Fruit Section
- G Pepper Research Section
- H Fertigation and Hydroponic
- I Ethno Garden
- J Orchid Shelter
- K Mushroom Cultivation
- L Pineapple Research Section
- M Welcoming Garden
- N Pepper Research Section



Herb Garden - Initiative of Plant Resource Students During Annual 'Go Green' Project



Teaching & Learning Activities @ RLL



Visit from UNIMAS Leadership Centre (22 Jan 2020), led by Assoc Prof Dr Rohaya Mohd Nor.



Visit from 1st Year Medical Students (23 July 2020)



Student Fieldwork



Visit RLL for
Fascinating
Experience in
Borneo