

2012 Research Grants

1) Characterization and identification of immunological properties of human Hertwig's epithelial root sheath cells (HERS)

Grant Type: USM Short-Term, RM39,702.00

15 Jan 2012 - 14 Jan 2014.

Researchers: Dr Kasmawati @ Norhidayati Mokhtar, AP Dr Adam Husein, Dr Khairani Idah Mokhtar, Dr Nurul Asma Abdullah, Dr Zurairah Berahim.

2) Mechanism of Bacteria Adhesion on Nanofilled Tooth Coloured Restorative Materials

Grant Type: FRGS Fasa 1/2012, RM 102,100.00.

01 Jun 2012 - 31 May 2014.

Researchers: Dr Dasmawati Mohamad, Dr Nurul Asma Abdullah, Dr Zuryati Ab Ghani, AP Habsah Hasan.

3) Role of Transforming Growth Factor-beta1 (TGFb-1) and the Cell Signaling Pathway in the Differentiation of SHED into Epithelial-like Cells

Grant Type: FRGS Fasa1/2012, RM153,100.00.

01 Jun 2012 - 31 May 2014.

Researchers: Dr Khairani Idah Mokhtar, AP Dr TP Kannan, Dr Azlina Ahmad, Dr Zurairah Berahim.

4) Establishment of a Co-Culture of Stem Cell from Human Exfoliated Deciduous Teeth (SHED) with Human Hertwig's Epithelial Root Sheath (HERS) Cells and to Study the Cementoblastic Differentiation Ability of SHED

Grant Type: USM Short-Term, RM40,000.00

01 Jun 2012 - 31 May 2014.

Researchers: Dr Khairani Idah Mokhtar, AP Dr Adam Husein, Dr Nurul Asma Abdullah, Dr Zurairah Berahim.

5) Effect of Beekeeping on Telomere Length and Longevity of Life in Beekeepers

Grant Type: USM Short-Term, RM39,264.00

1 Jun 2012 - 31 May 2014.

Researchers: AP Dr TP Kannan, AP Dr Shaharum Shamsuddin, AP Dr Siti Amrah Sulaiman, Dr Azlina Ahmad, Dr Stefen Stangaciu.

6) Gene expression analysis of aquaporin3 during keratinocytes differentiation from stem cells of human amniotic membrane

Grant Type: USM Short-Term, RM39,264.00

1 Jun 2012 - 31 May 2014.

Researchers: Dr Azlina Ahmad, AP Dr TP Kannan, AP Dr Suzina Sheikh Abdul Hamid, Dr Badrul Hisham Yahaya.

7) Antimicrobial effect of *Euphorbia tirucalli* (Tetulang) on *Streptococcus mutans*

Grant Type: USM Short-Term, RM40,000.00

15 Jun 2012 - 14 Jun 2014.

Researchers: Mohamad Ezany Bin Yusoff, Dr. Azlina Ahmad, Dr. Suharni Mohamad.

8) The effects of low level laser therapy, low intensity pulsed ultrasound treatment and the combination of them on osteoblast and osteoclast cell lines

Grant Type: USM Short-Term, RM40,000.00

15 Jun 2012 - 14 Jun 2014.

Researchers: Dr Mohammad Khursheed Alam, AP Dr Adam Husein, AP Dr Rozita Hassan, Dr Rumaizi Shaari.

9) In vivo teratogenicity And anti-allergic Effects of lignosus Rhinoceros in an asthmatic rodent model and their possible bioactive constituents

Grant Type: RU/Long-Term, RM220,293.00

1 Oct 2012 - 30 Dec 2015

Researchers: Dr Nurul Asma Abdullah, Prof Madya Dr Gan Siew Hua, Dr Wan Ezumi Mohd Puad@Mohd Fuad, Dr Wan Majdiah Wan Mohamad, Damitri Al Astani Tengku Din

10) Antibacterial and anti-inflammatory effects of ixora coccinea linn on human periodontal ligament fibroblast cell line

Grant Type: USM Short-Term, RM40,000.00

15 Oct 2012 - 14 Oct 2015.

Researchers: Dr Dasmawati Mohmad, Prof. Ismail Ab. Rahman, AP Dr Hasnah Osman, AP Habsah Hasan

11) Effects of peri-vitelline Fluid (PVF) obtained from fertilized eggs of horseshoe crab on cultured human dental pulp stem cells

Grant Type: RU/Long-Term, RM212,525.00

15 Dec 2012 - 14 Dec 2015

Researchers: Dr Khairani Idah Mokhtar@Makhtar, AP T.P. Kannan, Dr Azlina Ahmad, Dr Anil Kumar Chatterji

12) Angiogenic potential of dental stem cells seeded on human amniotic membrane as a scaffold for pulp tissue regeneration

Grant Type: RU/Long-Term, RM242,446.00

15 Dec 2012 - 14 Dec 2015

Researchers: Dr Azlina Ahmad, AP Dr Suzina Sheikh Ab Hamid, AP T.P. Kannan, DR Khairani Idah Mokhtar@Mahktar

13) The combined effect of biphasic calcium phosphate & simvastatin on human dental pulp cells & dentin regeneration

Grant Type: RU/Long-Term, RM195,828.00

15 Dec 2012 - 14 Dec 2015

Researchers: Dr Zuliani Mahmood, Prof Ismail Ab. Rahman, Prof Dr Hanafi Ismail, AP Dr T.P. Kannan

14) Evaluation of glass ionomer cements (GIS) properties with coumarin derivatives as antibacterial agent

Grant Type: RU/Long-Term, RM152,490.00

15 Dec 2012 - 14 Dec 2015.

Researchers: Dr Dasmawati Mohmad, Prof. Ismail Ab. Rahman, AP Dr Hasnah Osman, AP Habsah Hasan