

UMP'S GRANT PERFORMANCE BETWEEN JANUARY AND MAY, 2013

BY: AHMAD SAIFUDIN MOHD KAMEL

Universiti Malaysia Pahang (UMP) researchers recorded an encouraging achievement in external grant performance for research works between January and May this year (2013).

The passion and commitment shown by the researchers in pursuing research excellence was reflected by their success in acquiring 35 external research projects involving a sum of RM3,436, 610.

The grants obtained were from FRGS and ERGS (which were under the purview of the Ministry of Higher Education (MOHE), NKEA Research Grant Scheme (NRGS) offered by Ministry of Agriculture & Agro Based Industry (MOA) and a special research grant given by Malaysia Islamic Development Department (JAKIM).

The lists of UMP researchers who received the grants between January and May 2013 are as listed below.

1. Recipients from the Fundamental Research Grant Scheme (FRGS) Phase One 2013.

NO.	NAME	FACULTY/CoE	RESEARCH TITLE	TYPE OF GRANT	SPONSOR
1	Dr. Chua @Yeo Gek Kee	Faculty of Chemical & Natural Resources Engineering	Reaction Mechanisms of Glycerol Oxidation to produce Mesoxalic Acid from Biodiesel Waste	FRGS (Fundamental Research Grant Scheme)	Ministry of Higher Education (MOHE)
2	Dr. Edriyana A. Aziz	Faculty of Civil Engineering & Earth Resources	A Fundamental Study of Oestrogen Sorption in Soil	FRGS (Fundamental Research Grant Scheme)	Ministry of Higher Education (MOHE)
3	Prof. Madya Dr. Abdullah Ibrahim	Faculty of Technology	Simulation Studies and Experimental Investigations of the Temperature and Residual Stresses in Dissimilar Metal Joints by Friction Stir Welding Technique	FRGS (Fundamental Research Grant Scheme)	Ministry of Higher Education (MOHE)
4	Dr. Mohd Herwan bin Sulaiman	Faculty of Electrical & Electronics Engineering	A New Formulation of Cost Function for Economic Emission Load Dispatch (EELD) Problem - Considering the Electricity Supply Industry in Malaysia	FRGS (Fundamental Research Grant Scheme)	Ministry of Higher Education (MOHE)
5	Dr. Ahmad Ziad bin Sulaiman	Faculty of Chemical & Natural Resources Engineering	Reaction Mechanisms and Kinetic Establishment of Ultrasonic-Assisted Extraction (UAE) of Eurycoma Longifolia, Labisia Pumila and Ficus Deltoidea For Cosmeceuticals and Nutraceutical Applications	FRGS (Fundamental Research Grant Scheme)	Ministry of Higher Education (MOHE)
6	Dr. Hamzah Ahmad	Faculty of Civil Engineering & Earth Resources	State Covariance Analysis for Adaptive Fuzzy Extended Kalman Filter in Mobile Robot Localization Considering Noise Divergence	FRGS (Fundamental Research Grant Scheme)	Ministry of Higher Education (MOHE)
7	Dr. Siti Rabiatul Aishah bt Idris	Automotive Excellence Centre	Solder Joint Reliability Between Lead Free Solder and Direct Immersion Gold Surface Finish for Automotive Electronic Devices Application	FRGS (Fundamental Research Grant Scheme)	Ministry of Higher Education (MOHE)
8	Dr. Sumaiya binti Zainal Abidin@ Murad	Centre of Excellence Advanced Research In Fluid Flow	Synthesis of Novel Catalysts for Carbon Dioxide (CO ₂) Dry Reforming of Glycerol For Syngas Production Using Fine Metal-Based Catalysts Supported on Oxides	FRGS (Fundamental Research Grant Scheme)	Ministry of Higher Education (MOHE)
9	Dr. Noorlisa binti Harun	Faculty of Chemical & Natural Resources Engineering	Molecular Interaction Establishment of Amine-based Absorption Process For CO ₂ Removal	FRGS (Fundamental Research Grant Scheme)	Ministry of Higher Education (MOHE)
10	Prof. Madya Dr. Hayder A. Bari	Centre of Excellence Advanced Research In Fluid Flow	Effect of Surfactants-Polymers Physio-Chemical Interaction on the Mechanical Degradation of the Polymeric Drag Reducing Agents	FRGS (Fundamental Research Grant Scheme)	Ministry of Higher Education (MOHE)
11	Dr. Mohd Fairusham bin Ghazali	Faculty of Mechanical Engineering	A New Technique of Leak Detection in a Gas Pipeline Network based on Time Reversal Method and Non Linear Acoustic	FRGS (Fundamental Research Grant Scheme)	Ministry of Higher Education (MOHE)
12	Dr. Mahadzir bin Ishak	Faculty of Mechanical Engineering	Enhancement of Weld Ability in Light Alloys (A6061 & A7075) Dissimilar Metal Welding	FRGS (Fundamental Research Grant Scheme)	Ministry of Higher Education (MOHE)
13	Prof. Madya Dr. Abdurahman Hamid Nour	Faculty of Chemical & Natural Resources Engineering	Elucidate the Separation Mechanisms of A Continuous Microwave Radio System (CMWRS) Using Crude Oil Emulsion	FRGS (Fundamental Research Grant Scheme)	Ministry of Higher Education (MOHE)

2. Recipients from the Exploratory Research Grant Scheme (ERGS) Phase One 2013.

NO.	NAME	FACULTY/CoE	RESEARCH TITLE	TYPE OF GRANT	SPONSOR
1	Dr. Mazrul Nizam bin Abu Seman	Faculty of Chemical & Natural Resources Engineering	Development of Antifouling Silver (ag) Nanoparticles Nanofiltration Membrane Through Interfacial Polymerisation Method for Surface Water Treatment Application	ERGS (Exploratory Research Grant Scheme)	Ministry of Higher Education (MOHE)
2	Dr. Ramesh Kanthasamy	Faculty of Chemical & Natural Resources Engineering	Improving the Efficiency and Energy Saving of Distillation Columns in Malaysia's Chemical Industry using Nonlinear Model Prediction Control	ERGS (Exploratory Research Grant Scheme)	Ministry of Higher Education (MOHE)