

Research Grants of JKM's Academic Staff for Year 2019

Link to Access Offer Letters : <https://tinyurl.com/jkmgrants2019>

Grant	Researcher Name	Research Title	Start Date	End Date	Allocation (RM)	Status	CO-RESEARCHER
FRGS	MOHAMAD FAIZAL BIN ABDULLAH	AN INVESTIGATION OF CHARACTERIZE THE SANDWICH METAL PANEL OF MAGNESIUM AZ31B AND ROLL HOMOGENOUS ARMOUR PLATE (RHA) BASED ON CRACK GROWTH UNDER IMPACT RESPONSES TECHNIQUE	01/01/2019	31/12/2020	83,800.00	Active	PROF DR AIDY BIN ALI
							ENCIK KHAIRUL FAIZI BIN MUHAMAD PAUZI
							TS DR AHMAD MUBARAK BIN TAJUL ARIFIN (UTHM)
							KAPTEN AHMAD HAMIZI BIN AHMAD KAMAL
FRGS	ZULKIFFLI BIN ABD. KADIR	EXPERIMENTAL INVESTIGATION OF A NEW STEERABLE WHEEL ACTUATION SYSTEM AND ITS EFFECT IN IMPROVING ROLL STABILITY OF TRUCK VEHICLES	01/01/2019	31/12/2020	55,000.00	Active	PM DR KHISBULLAH HUDHA DR NOOR HAFIZAH BINTI AMER
FRGS	TAN KEAN SHENG	FUNDAMENTAL STUDY OF INJURY AND ROLLOVER CONDITIONS IN ROLLOVER ACCIDENTS OF MILITARY ARMoured VEHICLE	01/01/2019	31/12/2020	94,000.00	Active	PROF DR RISBY BIN MOHD SOHAIMI PM IR DR MOHD ZAID BIN OTHMAN
							DR LOH WEI PING (USM)
							DR KU ZARINA BT KU AHMAD
CONTRACT RESEARCH	MOHAMAD FAIZAL BIN ABDULLAH	INVESTIGATING THE EFFECT OF ULTRASONIC IMPACT TREATMENT ON MICROSTRUCTURE AND MECHANICAL PROPERTIES ASSOCIATED TO STRESS-STRAIN CONDITION	02/05/2019	30/06/2019	13,000.00	Closed	DR RAJA NOR IZAWATI BT RAJA OTHMAN MOHAMAD RIZAL BIN HARUN ZAZLIN BIN ISMAIL NOR MUHAMMAD AZMAN BIN SUJANI
							ZULKIFFLI BIN ABD. KADIR DR NOOR HAFIZAH BINTI AMER
							DR JESTIN BT JELANI
							PROF DATO DR AHMAD MUJAHID BIN AHMAD ZAIDI
SHORT TERM	KHISBULLAH HUDHA	RECOIL FORCE REDUCTION CONTROL FOR GUN SYSTEM USING MODIFIED MAGNETO-RHEOLOGICAL (MR) DAMPER	01/07/2019	31/12/2019	20,000.00	Closed	DIAN DARINA INDAH BTE DARUIS LEONG KIN YUEN
SHORT TERM	MOHD ZAID BIN OTHMAN	NUMERICAL SIMULATION OF BLAST LOADING PHENOMENON OF ROLLED HOMOGENEOUS ARMOR (RHA) STEEL PLATE DUE TO TRINITROTOLUENE (TNT) EXPLOSION BY UTILISING THE ARBITRARY LANGRANGIAN EULERIAN (ALE) ANALYSIS APPROACH	01/07/2019	30/06/2020	20,000.00	Active	IRFAN BIN MD GHAZALY
SHORT TERM	KU ZARINA BINTI KU AHMAD	ECO-FRIENDLY BANANA WASTE SOLID FUEL AS A POTENTIAL CANDIDATE FOR RENEWABLE ENERGY SOURCE	01/07/2019	30/06/2021	20,000.00	Active	MOHAMED TARMIZI BIN AHMAD (B)
SHORT TERM	IRFAN BIN MD GHAZALY	MODELLING OF POWERTRAIN SYSTEM OF CONDOR APC (ARMoured PERSONNEL CARRIER) USING GT-POWER	01/07/2019	30/06/2021	5,000.00	Active	ABD RAHIM BIN MAT SARIP
SHORT TERM	MOHAMED TARMIZI BIN AHMAD (B)	MECHANISM AND CORRELATION OF CNT/A1/PALM-OIL STEARIC ACID AS A NOVEL HYBRID ROCKET FUEL	01/07/2019	30/06/2021	20,000.00	Active	RAJA NOR IZAWATI BINTI RAJA OTHMAN
PPRN	ABD RAHIM BIN MAT SARIP	COCONUT COOKIES MACHINE	10/08/2019	10/02/2020	29,600.00	Active	PROF DR MOHD TAUFIK BIN ISHAK PM DR SURAYA BT ABDUL RASHID (UPM) PM DR SITI NORAYA BT MOHD TAWIL DR NORWAZAN BT ABDUL RAHIM
FRGS	RAJA NOR IZAWATI BINTI RAJA OTHMAN	INVESTIGATION OF MECHANISM INFLUENCING FORMATION OF POLYMER NANOCOMPOSITES WITH HIGH DIELECTRIC CONSTANT AT LOW PERCOLATION THRESHOLD VALUE	01/09/2019	31/08/2022	92,300.00	Active	KHAIRUL HASNI BIN KAMARUDIN (B)
SELF FUND	KHAIRUL HASNI BIN KAMARUDIN (B)	A SIMULATION STUDY OF EFFECT OF BULLET RICOCHET ON FREE MOVING METAL PLATES	01/11/2019	31/10/2021	4,000.00	Active	

SELF FUND	KHAIRUL HASNI BIN KAMARUDIN (B)	EXPERIMENTAL STUDY ON THE RELATIONSHIP BETWEEN CRITICAL ANGLE FOR BULLET RICOCHET ON FREE MOVING METAL PLATES	01/11/2019	31/10/2021	11,500.00	Active	
SELF FUND	NORZAIMA BINTI NORDIN	EXPERIMENTAL INVESTIGATION OF SAVONIUS WIND TURBINE BLADE FOR LOW WIND SPEED REGION	01/10/2019	30/09/2021	1,000.00	Active	LT KOL PM IR KHALID BIN ABD JALIL BAIZURA BT BOHARI
SELF FUND	SYAFAWATI BINTI HASBI	THE PROCESSING OF EPOXY/MULTI LAYER GRAPHENE NANOCOMPOSITE	01/01/2019	31/12/2020	7,000.00	Active	MURNIATI BT SYARIPUDDIN TS DR MOHD SHAHNEEL BIN SAHARUDIN
SELF FUND	SYAFAWATI BINTI HASBI	EFFECTS OF HALLOYSITE AND CARBON NANOTUBES (HNTs + CNTs) ON THE MECHANICAL AND THERMAL PROPERTIES OF EPOXY NANOCOMPOSITES	01/01/2019	30/12/2020	7,000.00	Active	MURNIATI BT SYARIPUDDIN TS DR MOHD SHAHNEEL BIN SAHARUDIN
SELF FUND	BAIZURA BINTI BOHARI	EXPERIMENTAL INVESTIGATION OF DISTRIBUTED PROPELLER SLIPSTREAM ON WING AERODYNAMIC PERFORMANCES AT LOW REYNOLDS NUMBERS	01/10/2019	30/09/2021	500.00	Active	NORZAIMA BINTI NORDIN
CONTRACT RESEARCH	PROF MADYA IR. DR. RAZALI BIN ABIDIN (B)	PEMBANGUNAN SENJATA SNIPER 12.7mm	01/12/2019	30/11/2020	208,000.00	Active	MOHAMED TARMIZI BIN AHMAD (B) LT KOL NURULHASNAN ZAMSARI (UPM)
CRG	RISBY BIN MOHD SOHAIMI	INVESTIGATION ON THE FLEXIBLE BODY ARMOUR STAB AND BALLISTIC RESISTANCE PERFORMANCE	01/12/2019	30/11/2021	20,000.00	Active	BRID JEN PROF IR DR NORAZMAN BIN MOHAMAD NOR(B) DR MOHAMAD FAIZAL BIN ABDULLAH DR TAN KEAN SHENG ZULKIFFLI BIN ABD. KADIR
CRG	KHISBULLAH HUDHA	GLOBAL VEHICLE DYNAMICS IMPROVEMENT FOR ARMORED VEHICLE	15/12/2020	14/01/2020	28,000.00	Active	DR NOOR HAFIZAH BINTI AMER
SHORT TERM	PROF MADYA IR. DR. RAZALI BIN ABIDIN (B)	DESIGN AND FABRICATION OF AN ADJUSTABLE MULTIPURPOSE STRETCHER	01/12/2019	30/11/2021	20,000.00	Active	
SHORT TERM	DIAN DARINA INDAH BTE DARUIS	CHARACTERISTICS OF DRIVERS ATTENTION ON CONSPICUITY LEVEL DURING DRIVING TASK IN VISUAL -CLUTTERED ENVIRONMENT	01/12/2019	30/11/2021	20,000.00	Active	DR NOR KAMALIANA BT KHAMIS PM DR NOR AZILA NOH (USIM) DR NURHAIZAH MOZIYANA BT MOHD YUSOP PUAN YUHANIM HANI BT YAHAYA ZULHAIDI BIN MOHD JAWI (MIROS)
SHORT TERM	LEONG KIN YUEN	INVESTIGATION ON THE MELTING CHARACTERISTIC OF NANO-ENHANCED PHASE CHANGE MATERIAL FOR THERMAL ENERGY STORAGE APPLICATION	01/12/2019	30/11/2021	20,000.00	Active	DR KU ZARINA BT KU AHMAD SYAFAWATI BT HASBI IR DR MOHD ROSDZIMIN BIN ABDUL RAHMAN PM DR LIEW PAY JUN (UTeM) DR ONG HWAI CHYUAN (UM)
SHORT TERM	NORZAIMA BINTI NORDIN	STATIC AEROELASTIC ANALYSIS OF HIGH ASPECT RATIO WING WITH WIND TUNNEL TEST VALIDATION	01/12/2019	30/11/2021	20,000.00	Active	PROF DR RISBY BIN MHD SOHAIMI LT KOL PM IR KHALID BIN ABD JALIL KAPT AHMAD HAMIZI BIN AHMAD KAMAL DR MOHAMMAD YAZDI BIN HARMIN (UPM) BAIZURA BT BOHARI
NEWTON FUND	MOHD RASHDAN BIN SAAD	SHOCK-BOUNDARY LAYER INTERACTION CONTROL IN HYPERSONIC FLOW USING HYBRID MICRO-VORTEX GENERATORS	01/01/2019	31/12/2021	239,809.00	Active	IR DR MOHD ROSDZIMIN BIN ABDUL RAHMAN DR MOHAMAD FAIZAL BIN ABDULLAH DR AZAM BIN CHE IDRIS