

RESEARCH GRANTS PASUM 2020

Physics Division:

No	PI Name	Project title
1.	SYED BAHARI RAMADZAN SYED ADNAN	1) Influence Of Different Cation Doping On Structural Stability And Conductivity Of Na ₄ sio ₄ Solid Electrolytes Synthesis Using Halloysite Natural Clay 2) Influence of Different Cations Doping On The Conductivity of Lithium Barium Silicate (Li ₂ BaSiO ₄) Ceramic Electrolyte
2.	MOHD FAKHRUL ZAMANI BIN ABDUL KADIR	1) Green Chemistry As A Novel Approach To Invent High Conducting Polymer Blend Electrolytes Based On Cold Water Fish Skins
3.	SALMIAH BINTI IBRAHIM	1) Understanding The Effect Of 8-aminoquinoline-triazole Hybrid Molecules As Additive For Photoelectrochemical Cells
4.	UNGKU FERWANI SALWA BINTI UNGKU IBRAHIM	1) Probing The Effects Of Hi In Galaxy Cluster Using Single Dish Observation
5.	NORAZLIN BINTI ZAINAL	1) The Potential Of Modified Natural Rubber Based Polymer Electrolyte For Electrochemical Device Application



No	PI Name	Project title
1.	LIEW SOOK YEE	1) Phytochemical and antidiabetic studies of <i>Neolamarckia cadamba</i> and <i>Nauclea subdita</i> 2) Potential Natural Advanced Glycation End Products (ages) Inhibitors From The Bark Of <i>Garcinia Griffithii</i> And <i>Neolamarckia Cadamba</i>
2.	NURSHAFIZA BINTI SHAHABUDIN	1) Palm Oil And Cellulose Derivatives-based Polymer Electrolytes For Application In Electrochemical Devices 2) Sustainable Extraction Of Pectin From The Skins Of <i>Cempedak</i> (<i>artocarpus Integer</i>)
3.	FAUZANI BINTI MD SALLEH	1) Influence Of Different Anions As Charge Carrier In The Eco-friendly Magnesium/cellulose/graphene Composite Solid Electrolytes 2) Multivalent Cation Substitution Effects On F Electrical And Electrochemical Properties Of Magnesium Ion Conductiong Nasicon Materials.
4.	FARIDAH BINTI SONSUDIN	1) Understanding The Mechanism Of Network Formation And Its Effect On Rheological Properties In Crosslinked <i>Cyamopsis Tetragonoloba</i> (guar Gum) 2) Bacteriophage-based Nano-formulations As Atherapeutic Materials For <i>Pseudomonas</i> Bacterial Infection
5.	MAZDIDA BINTI SULAIMAN	1) Preparation And Characterization Of Magnesium Ion - Alumnia Conduction Composites.
6.	MOHD HILMI BIN JAAFAR	1) Objects Assisted Learning to Enhance Independent Learning in Higher Education



Biology Division:

No	PI Name	Project title
1.	MOHD FAIZZI BIN MOHD YUSOF	1) Reproductive Biology and Growth of <i>Pangasius nusutus</i> and <i>Tor</i> sp. as native and new commercial species in Peninsular Malaysia
2.	YUSMIN BINTI MOHD YUSUF	1) Understanding The Role Of Foc-six8 Gene And Other Related Effector Genes That Caused Pathogenic Reaction During <i>Fusarium</i> Infection In <i>Musa Accuminata</i> 2) INCESTIGATING THE EFFECT OF ZINGIBERACEAE EXTRACT ON THE EXPRESSION OF CATSPER GENE IN MORPHINE-TREATED RATS
3.	MAHANOM BINTI JALIL	1) Economic Generation Through Commercial Banana Cultivation. 2) Chemical Constituents Of Elicited Root Cultures Of Zingibar Zurembet Smith And Their Biological Activities 3) Penjanaan Ekonomi Melalui Penanaman Pisang Secara Komersial
4.	NOOR HASHIDA BINTI HASHIM	1) Preliminary Study On The Effect Of Coconut Water On Reproductive System Of Morphine-induced Infertile Male Rat
5.	NOR AZLINA BINTI ABD AZIZ	1) Study On The Effect Of <i>Boesenbergia Rotunda</i> On Reproductive System Of Infertilty Induced Male Rat



Mathematics Division:

No	PI Name	Project title
1.	YONG ZULINA BINTI ZUBAIRI	1) Kajian Terhadap Prestasi Pelajar Lepas Pusat Asasi Sains Universiti Malaya (PASUM) yang Menuntut di Institut Pengajian Tinggi (IPT) 2) New Trigonometric Statistic To Detect Outlier In Circular Data With The Presence Of Errors
2.	NORLI ANIDA BINTI ABDULLAH	1) A Novel Statistical Approach As A Practitioner's Guide To Select Appropriate Stock Impression Tray For Dental Arches
3.	SHAHIZAT BIN AMIR	1) Mathematical Simulation Model Of Multiple Cluster Fractal Growth Patterns 2) Simulation Program And Analysis Of Fractal Growth Patterns
4.	AHMAD SYAFADHLI BIN ABU BAKAR	1) A Novel Grey-based Performance Analysis Model For Weekly Fuel Prices Mechanism Via Non-homogeneous Malaysians Preferences Elicitation 2) A Grey Based Performance Analysis Model For Weekly Fuel Prices Mechanism Via Non-homogeneous Malaysians Preferences Elicitation
5.	SITI FATIMAH BINTI HASSAN	1) New Imputation Method In Handling The Missing Data In Error-in-variable Models
6.	FARIDAH BEE BINTI MOHAMED IBRAHIM	1) Plans For Success In Education: Mobile Phone Multitasking And Academic Performance Among Pre-university Students.
7.	MOHD ZAHURIN BIN MOHAMED KAMALI	1) Development Of Novel Z-numbers Based Hesitant Linguistic Model In Group Decision Making
8.	NORSIAH BINTI HASHIM	1) Mathematical Modelling Of Entropy Generation In Boundary Layer Flow Over A Prolate Spheroid
9.	NOR ARTISHAM CHE GHANI	1) Investigation On Epidemiology Of Dengue Virus By Using Haar Wavelet Quasilinearization Method
10.	ROHAYATIMAH BINTI MUHAMMAD TAHIR	1) Achievement In Mathematics And Biology: Link, Language And Academic Resilience (non Science)

