

Tahun	Jenis Dana	Tajuk Projek
2015	ScienceFund	Projection stereolithography for rapid manufacturing of polymer optical devices
		Fatigue Performance of Glued Laminated Timber Railway Sleepers using Selected Malaysian Tropical Hardwood
		Development of System-On-chip Microarray Data Analyzer for DNA Chip Application
		Experimental evaluation and numerical prediction of microfluidic cooling in a multi-layer microchannel heat sink
		Adaptive Appearance Models in Video Tracking & Surveillance
		Design and Development of Signal Measurement and Noise Characteristics for Hearing Screening
		Design and Development of a New Symmetric Key Generation: Application to Multi-Factor Authentication Solution
		Deodorizer Troubleshooting in Palm Oil Refining using Fuzzy Logic
		Effect of neupogen-induced peripheral blood mesenchymal stem cells on critical defect (non-union) bone fracture healing in goat tibiae
		Development of a prototype non-toxic organo tin-halide perovskite heterojunction solar cell
		Seismic Performance Evaluation Of Rotary Rubber Damper (RRD) System in beam-column connection
		Real time voltage sag source identification based on sliding windows S-Transform
		A study on phytic acid-chitosan nanoparticles inhibit VEGF signaling and induce intrinsic mode of apoptosis: Drug delivery system for colon cancer therapy
		A New Channel-Aware Scheduling Algorithm for Multiple traffic classes in LTE System
		FPGA System-on-Chip implementation of advanced face recognition technology for biometric verification and identification at airports.
		An Industry Standard Compliant Aircraft Identification and Tracking (ADAT) System to Enhance Air Navigation Safety
		Combining Deep Neural Networks and Parts-based Approach for Visual-based Pedestrian Gender Classification
		Biometric Encryption: Generating Fixed-length Cancellable Fingerprint Representations for Preserving Human Privacy and Securing Biometric-based Systems
		SSLAP: SSL Acceleration Platform
		Intelligent Renewable Energy Storage and Management system for rural households
		Revealing banana interactome with Meloidogyne incognita 16D10 gene via Affinity Tagging Purification-Mass Spectrometry (AP-MS) Approach
		Human Dental Pulp Stem Cells on Cartilage Degradation in Monosodium Iodoacetate (MIA) Induced Osteoarthritis in Sprague Dawley Rats
		Microscopic Insight of Molecularly Imprinted Sol-Gel Matrix for the Development of Creatinine-Recognized Biosensor
		5-HT _{1A} receptor signaling in lipid raft impart neuroprotection in stroke
		Dry state preservation of mesenchymal stem cells.
		Formation of ZrO ₂ Gate on Ge Based Metal-Oxide-Semiconductor (MOS) Structure for Ultra-Low-Power and High-Speed-Switching Device Applications

	Yield Enhancement of the Semiconductor Electronics Industry through Physics-of-Failure and Reliability Research in Electronics.
	Development Of Piezoelectric Materials From Rice Husk Silica For Sensor And Clean Energy Harvesting Applications
	Low-cost sol-gel spin coating growth of GaN-based semiconductors for optoelectronic applications
	Development of a Reliability-aware Testing System for Digital Microfluidic Biochips through Electrode Cells Health Classification
	Development of Nano Chemical Composite Sensor for Ultrasensitive Detection of Formaldehyde Gas Emissions From Composite Wood Products
	Continuous biohydrogen production utilising low strength sago mill effluent in a 10L capacity CSTR seeded with mixed microbial consortia
	Assessing The Importance Of Marine Transportation In The Introduction Of Pathogens In Selected Malaysian Marine Waters
	Composition of volatile organic compounds from sea-surface microlayer around coastal areas in Peninsular Malaysia
	Modelling of Flow with Seepage in Porous Open Channels
	Development of geospatial model for elucidation of <i>Metisa plana</i> 's landscape ecology in Malaysian oil palm microclimate and prediction of its prevalence
	Assessing the Roles and Impacts of Artificial Reefs and Marine Parks for the Management of Marine Resources in Peninsular Malaysia
	Experimental and Numerical Study for Implementing Humpback Whale Leading Edge Tubercles on Wing of ALUDRA MK-1 Unmanned Aerial Vehicle
	Development of Captive Breeding, Seed Production and Culture Protocols of the Commercially Important Species of Sea Urchin (<i>Tripneustes gratilla</i>)
	Reframing Retirement Planning: A Holistic Approach to Understanding Consumer Financial Planning, Attitudes and Behaviour Surrounding the Silver Industry
	Concurrent Brake Actuator with Nonlinear Force Distribution Control for Motorcycle Applications
	Fire Resistance Of Ultra High Performance Fiber-Reinforced Cementitious Composites (Uhrpfcc) Coated Structural Members
	Development Of Autonomous Greenhouse Gases System For Tropical Peatland Monitoring
	Developing a Rapid Dengue Virus Biosensor Early Warning System for Potential Mapping of High Risk Dengue Outbreak Zones in Malaysia
	Development of Continuous Sinogram Reader for 3D Nuclear Imaging Systems
	BZD9L1: Establishment of a novel sirtuin inhibitor as a potential adjuvant therapeutic agent in colorectal cancer
	Integration of Rankine Power and Absorption Refrigeration Cycles for Low Load Optimized Solar Thermal Chilled Water Soil Cooling System
	A potential method for power generation by using an emerging technology: Pressure Retarded Osmosis Membranes.
	Hit to Lead Optimisation: Synthesis and Biological Evaluation of New Thienopyrimidine Derivatives as Potential Antagonists of Adenosine A3 Receptor, A Promising Target for the Treatment of Asthma
	Development, Implementation and Evaluation of a Community

	Intervention Program to Improve Lifestyle Behaviour in a Malaysian Population
	Development of enhanced fitness Salmonella live vector carrier vaccine by using Toxoplasma gondii antigens as a model candidate
	Energy-efficient Mobile Terminal Antennas for Green 5G Wireless Communication Networks
	Visual-based Computer-Aided Monitoring System (VCAMS) for Human Motion Abnormalities Correction
	Development of DNA profiling databases for forensic investigations and sustainable utilization of Intsia palembanica (Merbau)
	Minimizing Feedback Overhead in the Uplink of Fifth Generation (5G) Cellular Networks for Practical Implementation of Massive-MIMO System
	Novel High Performance Ambient RF Energy Harvesting System-on-chip for Emerging Wireless Devices and Mobile Applications
	Development of Software Prototype to Determine Crosstalk Levels in Mechanomyographic (MMG) Signals of Forearm Muscles during Grip Force and Wrist Actions
	Compact Multi-Antenna Wireless Energy Transfer System for Internet of Thing (IoT) Device
	Development of hybrid Ti/UV remediation system for antibiotic-contained domestic wastewater treatment
	Elucidation of the involvement of GSK3 β in the immunomodulatory effects of the anti-malarial drug chloroquine in Burkholderia pseudomallei-infected animals
	Computational Analysis and Characterization of Novel 3-Dimensional Motifs in Proteins and Complex RNA Structures
	Development of a DNA damage analytical tool; the Rad50 phosphosite-specific mutant zebrafish
	Electrospun nanofibers containing amniotic membrane with human muscle cells as a patch for treating heart damage
	Development of molecular and serological tools for diagnosis of rickettsial diseases
	Development of Diagnostic Tools and Therapeutics for Nipah Virus Emergency Management
	The role of thiamine (vitamin B1) in stress responses of oil palm (Elaeis guineensis)
	Identification of long non-coding RNAs in serum towards the development of a non-invasive test for early detection of colorectal cancer
	Directed evolution of a beta-glucoside kinase for sulfur-phosphorus bond formation.
	Isolation And Characterization Of Lignin Degrading Enzymes From Coptotermus Formosanus For Sustainable Biodelignification In Improving Pulp/Fibre Processing
	Direct recovery of recombinant therapeutic proteins from microbial cell using aqueous two-phase system
	Exploration of the therapeutic potential of semaphorin 5A in human glioblastomas
	Multi-functional cancer nano-therapeutics delivering a cocktail of classical drugs, tumor suppressor genes and anti-sense RNAs to block multi-drug resistance and cancer progression

		Development of Dissimilar Titanium - Stainless Steel Fusion Welds Using Novel High Entropy Alloy (HEA) Fillers
		Development of Non-Toxic Cu ₂ ZnSnS ₄ (CZTS) Thin Film Solar Cells and Mini Modules Over 15% Conversion Efficiency By Co-Evaporation for Versatile Application
		Development of chitosan crosslinked-pectine/calcium silicate/graphene composite scaffolds for bone tissue regeneration application.
		Ecofriendly biovanillin production using one step bioconversion of ferulic acid from lemongrass waste by Phanerochaeta cryosporium
		Microbial Desulphurisation of Petroleum Sulphur for Quality Improvement of High Sulphur Content Crude Oil
		Precision Control Of Kerf In Micro Wire Electro Discharge Machining With Dry Dielectric Fluid
		Developing a real time localization system for autonomous robots in flexible manufacturing systems for indoor production environment
		Fabricated Germanium-Doped Optical Fibre as Thermoluminescence Dosimeter for the Measurement of Absorbed Dose in Stereotactic Radiosurgery (SRS) Verification Plans
		Development of a New Autonomous Multistage Low Impedance Inverse-Induction Control of In-Line Voltage Optimization on Power-Busbars
		Light-driven visual inspection system
		Silver nano-particles grafted cotton fabric with antibacterial functionality
		Development of geopolymer-cement blend for application as engineered barrier in radioactive waste disposal facility
		Development of real-time radiographic film digitizer for digital industrial radiography (DIR) application
		Observations of biogenic VOCs and tropospheric ozone and their implications for human health
		Near Surface Mounted (NSM) Techniques for Seismic Retrofitting and Strengthening of Exterior Reinforced Concrete Beam-column Joint Using Glass Fiber Reinforced Polymer (GFRP)
		Mass-culture of indigenous brackish water zooplankton using non-photosynthetic microorganisms for aquaculture
		Floristic composition, plant biomass and stand productivity along an altitudinal gradient at Payeh Maga, Long Tuyo, Lawas, Sarawak
		Sources and Potential Effects of Indoor Air Quality and Thermal Comfort in Mosque Buildings
		Optimum lighting conditions to gain high survival and growth rates of sutchi catfish larvae Pangasianodon hypophthalmus through physiological and molecular studies.
		Development of Multi-Agent Autonomous Surface Vehicle (ASV) for Hydrography Survey
		A Sustainable Shallow-Groundwater Extraction As An Adaptation Strategy Towards Climate Changed Malaysia
		A Study for the Sustainable Offshore Sand Mining In the One Fathom Bank (OFB) and its Surrounds, Off Port Klang, Selangor.
		Punching Shear Resistance of Self-Compacting Fiber Reinforced (SCFRC) Concrete Ribbed Slab
		An Automated SERS based Detection System for Febrile Phase of NS1 Related Viral Diseases
		Smart Spoilage-Technology: A Rapid Easy-To-Use Detection Kit For Palm

	Oil Deterioration and Quality
	Combination of physicochemical and sulfate radical based advanced oxidation process for landfill leachate treatment
	Development of Video-based Parenting Program to Improve Parenting Practices among Parents of Preschool Children in Selangor
	Development of Fe ₃ C Nanoparticles Encased in Graphene Layers for Polymer Electrolyte Membrane Fuel Cells (PEMFCs) Electrocatalyst Application
	Novel Adaptive Impedance Control for Post-Stroke Rehabilitation Platform based on Hybrid Automata and Neuro-Fuzzy Inference System Formalism
	Numerical investigation of the sediment implication on erosion in Francis turbine blade to improve the performance in hydroelectric dam
	Sustainable Management of Stormwater Quantity and Quality in Tropical Urban Catchments Using Bioretention Basins - An Experimental Study
	Design and development of a wavelet neural network architecture for wearable systems to predict kinematic gait parameters and identify pathological gait
	Discovery of novel bacteriocin-producing genes in a novel Streptomyces sp. MUSC 135T, a streptomycete inhibiting methicillin-resistant Staphylococcus aureus
	ASIC Design and Fabrication of Actor-based Signal Processing Systems
	Assessment Of Radon And Thoron Exposure To The Public Around Rare-Earth Plant
	Spatio-Temporal Data Mining Model for Shoreline Detection and Prediction In Peninsular Malaysia
	Synthetic Aperture Radar (SAR) based Analysis of Rice Pest Infestation and Plant Stress Identification.
	Development of rapid and sensitive biomarkers for characterisation of Malaysian honey using DNA-based methodology for identification of honey bee speciation
	Targeting JAK-STAT signaling pathway to revert neurogenic-to-gliogenic shift in the brain of Ts1Cje Mouse Model for Down syndrome.
	Analysis of Single Nucleotide Polymorphisms in Candidate Genes for Bovine Mastitis Resistance and Association with Milk Somatic Cell Score and Composition Traits
	Determination Of Functionally Important Sequence Variants In Key Vitamin E Genes From Elaeis Guineensis Germplasm Materials
	DNA Nanocluster based Intracellular Live Cell Staining for Regulatory T-cells
	Development of bioactive glass scaffold for hard tissue regeneration
	Tracing Porcine Dna In Processed Food: A Strategy For Halal Food Quality Control
	Inhibition of dengue virus (DENV) replication using transcriptome profiling and genome engineering in Aedes aegypti and Aedes albopictus
	Recombinant Lactococcus lactis as a delivery platform for chemo-immunotherapeutic vaccine regimens against KRAS positive colorectal cancer.
	Evaluation the Effect of Pods Storage and Fermentation Duration on Colour Characteristic And It Relations To Flavour Quality Of Dried Cocoa Beans

		Development of Double-Stator Magnetic Geared Permanent Magnet Generator for Low Wind Application
		Integrated Circuit Design of an Envelope Tracking in a Multimode Multiband RF Power Amplifier
		Design and Development of an Enthalpy Exchanger with Hydrophilic Polymer-Processed Sheet for Energy Recovery Application in Building Ventilation System in Hot-Humid Climate: Towards Energy-Efficient Technology
		Conversion of Carbon Dioxide to Solar Fuels using Novel Nanostructured Continuous Photocatalytic Reactor
		Development of an Innovative Sliding Beam to Column Connection for Industrialized Building System
		Novel Hybrid Damper for Vibration Control of Structures and Infrastructures
		Development of Nucleonic Imaging System (NIS) for the detection and evaluation of industrial pipeline in Oil and gas industry.
		Identification of Location and Seagrass Areal Coverage using Remote Sensing Technology in Coral Triangle Initiatives (CTI) Region of Sabah
		Improving Bioavailability of Antihypertensive Bioactive Peptides Derived from <i>Actinopyga lecanora</i>
		Development of active packaging system to extend the shelf life of oyster mushroom (<i>Pleurotus ostreatus</i>)
		The development of an adaptive flight controller and system identification method for rotorcraft based unmanned aerial system (RUAS) using fully tuned neural model and model predictive control approach
		Development of a low energy input pulsed plasma thruster (PPT) for 3U cubesats
		PBOXpert: A Rental Predictor Expert System for Purpose-built Offices in Malaysia Using GIS-AHP Integration.
		Effect of Backfat Thickness and Oestradiol Benzoate on Reproductive Performance of Dorper Ewes in Malaysia
		Characterization of thrombosis related parameters in healthy subjects supplemented with omega-3 from Yellowstripe scad (YSS)
		Environmental and health risks of heavy metal from cement dust exposure in school environment and children (Rawang, Selangor)
		Development of precast lightweight two layered wall panel
		Development of Slope Monitoring System by Automatic Wireless Accelerometer Monitoring System
		Development of Drivers' Green Travel Behaviors Assessment Model towards Low-Energy and Low-Emission Urban Transportation
		Development of Wireless Power Transfer Technologies for Medical Implantable Devices Based on the Capacitive Approach
		A New Development of A Compact Broadband Operating Antenna with Wide Bandwidth for In-Building Wireless Coverage Application
		Parametric Tracking of Targets on Non-overlapping distributed cameras.
		Novel combination of eye tracking and brain imaging techniques to determine how the human brain performs visual search tasks for application in robotics and computer vision
		Biomass-burning haze (BBH) in Southeast Asia (SEA): Development of a computational tool to predict its transport and impacts of climate change in Malaysia

		Effect of different types of Organic Fertilizer (Materials) on the Yield, Bean Quality and Flavour in Cocoa (<i>Theobroma cacao</i> L.)
		Development of a proof-of-concept viral vaccine with codon and codon-pair deoptimization: Enterovirus A71 attenuated vaccine
		Nanoformulation of rotigotine intended for direct nose to brain targeting in Parkinson disease
		Safety and Efficacy of Oral Emulsion and Implanted Beads of <i>N. sativa</i> -Gentamicin Antibiofilm Fusion for Osteomyelitis.
		Improving Bioavailability of Antihypertensive Bioactive Peptides Derived from <i>Actinopyga lecanora</i>
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		Development of a proof-of-concept viral vaccine with codon and codon-pair deoptimization: Enterovirus A71 attenuated vaccine
		Conversion of Carbon Dioxide to Solar Fuels using Novel Nanostructured Continuous Photocatalytic Reactor
2015	TechnoFund	Green Aerosol Fire Extinguisher Handheld With Brand Name "Marjan"
		Development of Second Generation Biodiesel (SGB) Production Module for Power Generation Application
		Technology Intervention at Sg. Moroli Hatchery, Nursery and Grow-out Facility for the Commercial Production of Pelian Fish in Ranau, Sabah
		The Development Of A Universal Electric Vehicle Charger For Standard And Rapid Charging
		Pembangunan Pisau Toreh Inovasi Baru
		Feasibility Study and Research of Wind Resources for Wind Farm Implementation in Sabah
		Innovative Retrofit RYB Street Lights System
		Production Of Commercial Value Of Aluminium Sulphate (Alum) From Hazardous Aluminium Waste
		Proposal For Establishment Of A "Green Aquaculture" Farm - Zero Discharge, Zero Chemical, Zero Odours, Clean Energy
		Development Of New And Improved Pneumatic Chainsaw/ Cutters For Tree Pruning And Palm Harvesting
		Research And Development Of Evault Mobile – A Content-Aware Data Leakage Prevention Solution For Mobile Devices
		Next-Gen Adaptive Intelligence Authentication Platform
		Pilot Plant for Organic Solid Waste (OSW) Treatment System using

		Organocycler Treatment System (Organocycler TS)
		Application of D3 solution on the palm oil extraction process to increase the yield recovery from the mills production
		Production Of Water And Energy By Integrated Membrane Distillation And Osmotic Membrane Distillation Process
		Automatic Recovery System For System Failure Detection
		Pre-commercialization Production of High Purity Zinc Oxide from Electric Arc Furnace Dust (EAFD) via Solvent Extraction Technology
		Production of Quality Sugar (Gula Sawit) from Oil Palm Trunk Waste
		Green House Mesocosm System (GMS) & Nursery with Recirculating Aquaculture System (RAS)
		GPU Acceleration Program Interface-GAPI
		Network Embedded Active Probe System (NEAPS)
		Commercial Development Of Biomass Torrefied Pellet From Empty Fruit Bunches As A Alternative And Renewable Energy Source
		Tailor Welded Blanks (TWB) Equipment Development
		Production Of Pufa (Epa/Dha) From Micro-algae
		Development of Fully Automated Panel Saw with Advanced Reduced Instruction Set Computing (RISC) Architecture Controller
		Development of Graphene Based Quantum Cell for Automotive SLA Battery Replacement
		Prototype Sterilisation and Inactivation of Microorganism For Reuse and Recycle of Clinical Solid With Solvent Recycling System
2015	InnoFund	Pre Commercialisation of On-Chip High Power Programmable CMOS-based LED Drivers for Energy Saving and Low Maintenance
		Membangunkan Sebuah Pilot Plant Pembuatan Kek Lapis Berotomasi Bagi Penghasilan Kek Lapis Buatan Malaysia
		Eaglecam
		EFB-based Solid Biofuel Pellet: Product Fuel Property And Quality Enhancement For Global Market Competitiveness
		Automated System For Sustainable And Effective Production Of Palm Sugar
		Compact Substation Unit: Towards Efficiency in Cost & energy Distribution
		Development of Carbon Based Filtration Media From Sustainable & Renewable Agro-based Waste Material for Certified Respiratory Safety device That Conform to International Standard
		Production of Radiation Crosslinkable Thermoplastic Elastomer (TPE) From Waste Rubber
		Pre-Commercialisation of Algae Sensor and Monitoring System (Mi-ASM) for the Cultivation and Processing of Algae Biomass
		False Alarm Controller
		YOUTH4U: Local Neighbourhood Employment network For low Skilled Unemployed Youths
		LED Lighting with superb cooler system & zero loses output
		Development of an Open Source Hardware Based Terminal Node Controller for Cubest Tracking application
		Optical Weapon Sight
		Pembangunan Sistem Pengeluaran Benih Vanilla Berkapasiti Tinggi
		Development of new mechanical HDPE joint for use with large diameter

		HDPE pipes.
		Hydropot
		Development Of Compressed Stabilized Earth Block (Cseb) As An Alternative Component For Eco-Building Construction
		Development of an Intelligent Intergrated Devices for Skill and Physical Assessment