

**SENARAI PROJEK YANG DILULUSKAN DI BAWAH SEKSYEN DANA MOSTI TAHUN 2012**

TAHUN	JENIS DANA	TAJUK PROJEK LULUS
2012	SCIENCEFUND	Development of Thin-Film Supercapacitor Prototypes With Embedded Power Management Circuitry for Portable Device Applications.
		Evaluation Of Milled Quality And Storage Stability Of Selected Malaysian Rice Varieties ( MR 276 And MR253) Using Humidified Polishing And Degree Of Milling Determination Of Rice.
		Nanostructure Thermopile Thermal-based Energy Harvester with Thermal Concentrator for Wireless Sensor Network (WSN) Applications in Biomedical and Precision Agriculture
		Evaluation of potential rootstocks for tree size control, precocity, high yield efficiency and improved fruit quality of citrus var. Madu
		Fungal Pathogens As Biological Control Agents For Drymoglossum piloselloides
		SCARECROW : Scalable Automatic Malware Reporting and Detection System Utilizing Crowdsourcing
		Development of Computational Intelligent Infertility Detection System Based on Sperm Motility Analysis
		Enhancing Amino Acid Utilization In Poultry Through Standardized Ileal Digestibility Technique
		Selection for High Yield and Good Quality Fruits of Somaclonal Mesta And Mangosteen (Garcinia mangostana L.) Variants
		Development Of Design Criteria And Process In The Production Of Multifunctional Lamp Post Design Based On Tropical Plant Structures
		Sol-Gel Synthesis of Zinc Oxide Nanostructured Thin Films for Solar Cells Applications
		Development Of Cocoa Butter Emulsions For Formulation Of Low Calorie Cocoa Based Products
		Development Of Specific Detection Membrane For Viable Pathogenic Foodborne Bacteria From Mix Population Sample.
		Manipulation of flowering for off-season production of rambutan, Nephelium lappaceum
		Development of detection technique for non-halal emulsifiers in chocolate and cocoa products
		Hardware Prototyping of Fatigue Monitoring System using Wavelet Transform and Higher Order Statistics to Detect Neuromuscular Diseases
		Application Of Rhizobia And Plant Growth Promoting Rhizobacteriaas Liquid Biofertilizers For Increased Rice Yield
		Pathogenicity and Molecular Characteristics of Avian Pathogenic Escherichia coli (APEC) isolates of Malaysia for the Development of Vaccine
		Development of Somatic Cell Nuclear Transfer Technology for the production of high quality Brakmas cattle
		Assessment and comparison of biological exposure indicators and respiratory health effects from chemical exposures among workers in machining industries
		Mobility Management for Internet of Things (IoT) using Partial Soft Handover (PSHO) Scheme
		Development Of Cocoa-Based Liquid Foundation Cosmeceutical Especially For Sensitive Skin
		Acute phase proteins and heat shock proteins as novel health and well-being biomarkers in broiler chickens housed at different stocking densities
		Development of Space-Time Trellis Code (STTC) Decoder with Optimality Signature
		Development of Dementia Risk Index for Malaysian
		Establishment of mechanism of tumour regression through complement mediated inflammatory reaction of C5a-C5aR axis
		Assessment of Exploited Fisheries Stock in Marudu Bay for Sustainable Management
		Development Of Malaysian Elderly Well-Being Index
		Proposed Integrated Mitigation System for Tsunami
		Realisation and Verification of Fighter Aircraft-Weapon Compatibility Certification Database and Simulator for Weapon Clearance System

2012	SCIENCEFUND	Structural Identification of Multiple Cointegrating Vectors: An Application to Monetary Exchange Rate Model
		Effects of Political Factors on Financial Development in Selected ASEAN Countries
		Energy Prices, Inflation and Investments in Malaysia and the Asian Emerging Economies
		Mammographic Breast Density In Malaysian Women: A Multi-Centre Study Of Full-Field Digital Mammography
		Application of acidifiers, essential oils and modified-atmosphere packaging to enhance the microbial safety and shelf-life of fresh shrimps.
		Evaluation Of The Ethnoveterinary Properties Of Selected Local Plants For Wound Healing In Animals
		Development Of Sugar Free Dark Chocolate With Functional Ingredients
		Effective Traffic Driven Handoff Management Scheme Based On System Architecture Evolution (Sae)
		Quantifying land use changes and climate variability impacts on the hydrological response of the River Kelantan catchment.
		Model Rekabentuk Konsep Taman Melayu
		Transportation Affordability Of Lower-Income Earner Using Collaborative Geospatial Techniques In Southwest Region Peninsular Malaysia
		Development of Fish Embryo Toxicity Assay for GHS Classification of Oleochemicals
		Socio-Legal Impacts of Information and Communication Technologies (ICT) on the Judicial Business
		Adaptive Online Testing for MPEG Processing on Network-on-Chip
		Person Recognition for Automated Visual Surveillance and Security
		Designing Durable Resistance Through Isolation and Characterisation of AVR genes in a Malaysian Isolate of <i>Magnaporthe grisea</i>
		Elucidation On The Mechanism Of Antiviral Activity Of A Styrylpyrone Derivative From <i>Goniothalamus Umbrosus</i>
		Bioconversion of Kenaf ( <i>Hibiscus cannabinus</i> ) Biomass to Xylooligosaccharides for Industrial Applications Using Recombinant Enzyme Mixtures
		Genetic characterization of the Malaysian Seladang ( <i>Bau gaurus hubbacki</i> ) and Selembu
		Brain signal processing, filtering and classification in time and frequency domain for applied control applications
		Development for Mass Production of Recombinant Bacterial Vaccines for <i>Manheimiosis</i> Based on Chemostate Culture Using 2 Litre Stirred Tank Fermenter
		Oncolytic activity of Newcastle disease virus on chemoresistant cancer cells
		Cellular and molecular response of adipocyte cells treated with mangostins for glucose lowering activity purpose
		Preparation And Characterization Of Antihypertensive Peptides From Blood Cockle ( <i>Anadara Granosa</i> )
		Development of high corrosion resistance of pure magnesium composite reinforced with bioactive glass for biomedical application
		Effects of chronic gamma irradiation on growth and multiplication rate with reference to enhanced production of steviol glycosides in <i>Stevia rebaudiana</i> Bertoni.
		Development of a whole-cell voltage Patch Clamp Assay targeting hERG K <sup>+</sup> channels, a safety assessment requirement in lead compound optimization
		Developing and Evaluating Biomimetic Poly(3-Hydroxybutyrate-co-4-Hydroxybutyrate) Scaffolds for Tissue Engineering of Skin
		IPharm Drug Discovery Platform Technology IV. In Search of Malaysian Natural Resources for Therapeutic Agent Type II Diabetes using PPAR-Gamma Ligand
		Development of Targeted Protease Inhibition Assay for Lead Compound Optimization in the Drug Discovery Process
Hybrid Reconfigurable Architecture for Emulation of the Multi-core Cloud Computing Processor		

2012	SCIENCEFUND	A New And Reusable Smart Magnetic-Nanophotocatalyst (CoFe2O4/TiO2) for the Photodetoxification of Organic-Dye in Textile Industry Effluent
		Aged Wellness Augmented by Robot Empathic Enabler (AWARE)
		Development Of Modular Infiltration Within Permeable Pavements For Urban Stormwater Management
		Design Of Integrated Nanodevice Vertical Strained Impact-Ionization Mosfet (Vesimos) For Nanoelectronics Application
		Encapsulation of antibiotics in chitosan-alginate microcapsules for medical devices application
		Development of starch and cellulose waste for the treatment of palm oil mill effluent (POME)
		Development of New Formulation of Cement-Organic Material for Stabilisation of Spent Ion Exchange Resins from Nuclear Reactor Operation
		Radiation Curing of Composites for Enhancing their Functionality and Utility in the Coating Industry
		Radiophytoremediation of Soils Contaminated with Radionuclides of Caesium and Thorium by Grasses
		Development of Thermoelectric Nanodevice for Waste Heat and Direct Energy Conversion
		Development Of High Intensity Laser Ndt System For Critical Mapping Of Stress Distribution In Industrial Component
		Enhanced Polysaccharide Production of Pleurotus sajor caju in Submerged Culture Fermentation
		Development of Automated Controller System for Controlling Reactivity by Using FPGA in Research Reactor Application and Radiation Facility
		Radiation Vulcanization of Epoxidized Natural Rubber Latex
		UV Spot OPV based on Acrylated Palm Oil Resin (EPOLA)
		Real Time Error Diagnostic And Recovery System For CNC Machine Tools
		Development of Ocean Forecasting System for Malaysian waters
		Projection of the states of Malaysian waters under the anthropogenic climate change
		Compositions, Characteristics and Flux of Surfactants and Humic-Like Substances in Marine Aerosols
		Understanding the spatial and temporal relationship of ocean biophysical parameters with habitat utilization of <i>Rastrelliger kanagurta</i> (Indian mackerel) off South China Sea
		Quorum Sensing and Biofilm Inhibitors From Marine Bacteria
		Impacts of air-sea interaction over the equatorial South China Sea during the northeast monsoon on marine activities and resources in the Malaysian coastal and continental shelf waters
		Micropropagation of selected economically important Malaysian seaweeds for production of quality clonal planting materials
		Molecular studies of actinomycetes from marine environments for novel genes and bioactive molecules
		Industrial Use Of Marine Algae For Bioethanol Production
		Development of an ecological model of a phytoplankton bloom in a tropical estuary
		Application of DNA Barcoding Markers for Commercially Important Seaweeds in Malaysia (Rhodophyta and Phaeophyceae)
		Multigene phylogeny and diversity study of marine fungi
		Development of a Robust and Sustainable Malaysian Integrated Ocean Observation System (MIOOS)
		Quantitative and qualitative assessment of Harmful Algal Blooms (HABs) species in ships' ballast water using molecular tools
Development of Functional Foods from Selected Seaweeds of Sabah		
Promoting Sustainable Livelihoods and Food Habit Practices Among Semporna Coastal Community		

2012	SCIENCEFUND	Climate Impacts, Vulnerability and Risks on Coastal Environment in the East Coast of Sabah: Towards Development of Adaptation Policy
		Biology and fisheries of mangrove crabs (Genus Scylla) in Sabah mangrove ecosystems
		The Occurrence Of Iridovirus In Cultured Marine Fish And Bivalve In Sabah
		Paleo-tsunami Deposits Investigation for Tsunami Hazard Assessment in East Sabah
		Optimization of physical field measurement distribution based on global interpolation technique
		Development of Adaptive Mechanism in Copepod as Response to Environmental Stress: An Innovation in Managing Climate Change
		Green mussel farming in Marudu Bay, Sabah - Microbiological assessment, disease pathogenesis and control measures.
		Assessing the sea level rise impact to the physical resources and social structure of the East Coast of Peninsular Malaysia coastal zone.
		Genetic Variability Of Mangrove Palm In Malaysia, Nypa Fruticans Using Dna Analysis.
		Sources of polycyclic aromatic hydrocarbons contamination and lipid biomarkers in two tropical mangrove ecosystem of Tanjung Piai Forest Reserve and Setiu Wetland
		Development of a Novel Underactuated Motion Control Scheme for AQUA-X Underwater Mobile Robot with Six-States and Four-Inputs
		Potential Anti-Alzheimer's Activity of Brown Algae Metabolites
		Development of Fingerprint Characteristic for Forensic Investigation of Elemental Pollution in Sediment From Linggi Area
		Algorithm to Control Ankle Motion Amongst Hemiplegic Patients for Therapeutic Application
		Anthropometric Analysis for Forensic Discrimination of Monozygotic Twins Using Earprint Pattern
		High Power GainNAs Quantum-well Semiconductor Laser Operating at Long Wavelength
		Probiotics as a Neuroceutical for Alzheimer's Disease
		Neuroprotective Roles of Mahanimbine, a Carbazole Alkaloid from Murraya koenigii Leaves
		The impact of refractive errors on accommodation system in young school children
		Engineering Properties And Performance Evaluation Of Cold In Place Recycling (Cipr) Under Superpave Design System
		Green Lightweight Concrete Using Alum Sludge Aggregate As Profiled Sheeting Infill
		Neuroprotection effect of polyphenols-rich tropical fruits - A clinical trial among middle-aged adults
		Development Of Low-Cost Seismo-Accelerometer For Ground Motion And Structural Damage Detection
		Urban Flood-Plain Mapping Using GIS and Remote Sensing Approach for Kuching, Sarawak
		Development of Geopolymer for Immobilization of Radioactive Waste
		MySES (Malaysia System for the Evaluation of Substances) Software for Exposure and Risk Assessment of Products
		Development of Gallium Recovery Process from Monochrome LED(E-Wastes)
		An Innovative Rapid Biodiversity Assessment of Insects for Environmental Impact Assessment
		Novel Approach for Fruit Quality Evaluation Using Artificial Intelligence based 3D Mapping
		Development of Intelligent Tracking System Based on Wireless LAN for Indoor Environments
AMOR: An Adaptive, Multimodal Architecture for Visual Object Recognition		
High density linkage map construction for A. auriculiformis x Acacia mangium hybrid using single nucleotide polymorphism markers for marker assisted breeding.		
Development of a strip-based system for rapid detection of thalassemia mutations using Taqman approach		

2012	SCIENCEFUND	Isolation and development of anti-coagulant agent from <i>Melastoma malabathricum</i> aqueous leaf extract
		Exploration of Metabolites Produced by Locally Isolated <i>Lactobacillus</i> sp. as "Green" Aquaculture Feed Supplement
		Biosynthesis and metabolomics of antimicrobial compounds from endophytic fungi for controlling anthracnose disease in dragon fruit
		Development of expressed markers for <i>Gracilaria</i> species with higher yield and quality of agar
		Functional characterization of dendritic cells and CD4 T cells following H5N1 vaccination and infection in chicken
		Development of New Reverse Micelles Stabilized by Biosurfactant for Antibiotics Extraction
		Development Of An Autogenous Vaccine Of <i>Avibacterium Paragallinarum</i> In Poultry
		Development of rapid immuno test strip for detection of <i>Campylobacter jejuni</i> bacteria in poultry meat
		Cultured meristematic cells of temu hitam ( <i>Curcuma aeruginosa</i> Roxb.H) as a source of health benefiting phytonutrients
		Authentication Of Important <i>Aquilaria</i> Species for Plantation In Malaysia using molecular marker technology
		Elucidation on the mechanisms and therapeutic target(s) of cardiac glycoside compound (SNA209) from <i>Cerbera odollam</i> in ovarian cancer for discovering its potential as anti-cancer drug candidate
		Development of Natural Preservative for Herbal and Food Product from <i>Syzygium aromaticum</i> and <i>Syzygium grande</i>
		Innovative Approach for Production of Epoxy Syntactic Foams Consisting Epoxy Hollow Spheres
		Pilot Plant Study Of Fuel And Chemical Feedstock Production Through Catalytic Cracking Of Non-Edible Oil By Novel Composite Catalyst
		Light weight and high strength nanostructured aluminum alloys by equal channel angular extrusion: Microstructure and mechanical properties.
		Enhancing Survival Rate Of Joint Replacement Implants Through Advanced Electrical Discharge Machining System
		Effect of doping on dielectric properties of barium strontium titanate thin films
		Development of antimicrobial food packaging plastic film by utilizing odourless garlic oil for better safe and prolong food storage
		Radiation effects on the thermo mechanical , electrical and magnetic properties of copper filler reinforced nylon 66 nanocomposites for electromagnetic interference (EMI) shielding application.
		Terrestrial Laser Scanning For The New Approach Of Large Scale Three-Dimensional (3d) Topographic Mapping
		Development of near real time digital multispectral image processing system for paddy precision farming
		Satellite based tracking and tracing for mobile workforce applications
		Development Of Gns And Dgps Integrity Monitoring System In Malaysia
		Development Of Functionalized Adsorbents For Carbon Dioxide Capture
		Novel Imaging Technique For Accurate Reconstruction Of Prostheses / Orthoses
		Potential Health Benefits Exploration of <i>Baccaurea angulata</i> fruit in relation to Cardiovascular Indices in Hypercholesterolemic Rabbits
		Exploring the safety and efficacy of standardized extract of high antioxidant beverage from belimbing dayak ( <i>Baccaurea angulata</i> ) for cardiovascular control.
		Assessment Of Seasonal and Polluting Effects On The Quality Of River Water by Chemometric Approach
		Maltodextrin production from breadfruit and broken rice starch via enzymatic hydrolysis for food and pharmaceutical industry
		Utilization of <i>Trigona itama</i> for pollinating crops under netted structure
Development of edible antimicrobial active packaging film from seaweed and <i>Cinnamomum zeylanicum</i> extract for food applications		
Development of antioxidant-rich tea and standardized extract from <i>Citrus microcarpa</i> ('limau kasturi') waste		

2012	SCIENCEFUND	Evaluation of Oil Palm Leaflet as Feed for Lactating Dairy Cows
		Geopolymer Cement From Ground POFA by Alkali-Activation Method
		Development of Wireless Localization Network for In-Building Network Application
		A Framework for Radio Resource Management in OFDMA-Based Mobile wireless networks (Mobile WiMAX)
		Design and Development of Robust Communication Model and Control System with incorporated Decentralized Renewables in Smart Grids
		The Development of Three-Dimensional Bone Reconstruction Method from MRI Data for Medical Application
		Real time crying and sweating simulation based on human emotion through brain computer interface and haptic heat to perform realistic virtual human
		Geometric feature identification invariant of scale and orientation
		Self-Diagnostic-Alert Secure Mobile Electrocardiogram System for Tele-Healthcare
		Efficient algorithm and scheme for spectrum mobility and dynamic resource management in Cognitive Radio Oriented Wireless Network for Green Communication
		Robust Watermarking for Real-time Multipoint Video Streaming System with H.264 Scalable Video Coding (SVC) Extension
		Development of a clinical decision support system for non-invasive early detection of in-vivo knee osteoarthritis using quantitative magnetic resonance imaging (MRI)
		Use of Enzyme Mimics In The Development of Nanowire Based Biosensor.
		Establishment of the first 'super electroporator' platform in Malaysia for the delivery of bicistronic expression vectors with shRNA and GFP open reading frames into the cerebral cortex of mouse model for Down syndrome.
		Cell migration and angiogenesis inhibition by targeting Wnt as a potential cancer treatment strategy
		Investigating RAGE (Receptor for Advanced Glycation Endproducts) as a potential target in malaria immunotherapy
		Detergent for Machine-Wash (DMW) Containing Locally Produced Thermostable Enzymes
		In vitro selection and development of submergence-tolerant rice ( <i>Oryza sativa</i> L.) cultivar using cell suspension cultures
		Unravelling Structure of Riboflavin Synthase For Designing of Potential Anti-Bacterial Drug
		Intelligent Five-Fingered Robotic Hand Design and Development for Prosthetic Application
		Evolutionary Reinforcement Learning for Flexible Protein Docking
		Effects of physical treatments on the production of dermal bioactives from lactobacilli and bifidobacteria
		Isolation, Mechanism of Action and Synergistic Effect of Antimicrobial Active Constituents from <i>Euphorbia hirta</i> (Euphorbiaceae) :Development of Potential Antimicrobial Therapeutic Agent against Infectious Diseases.
		Honey-based inhaler and its regenerative potential in animal model of asthma
		Active powered lower extremity robotic device for gait rehabilitation in paralytic patients.
		Synthesis and Characterization of Potential Alternative Drug in Regulating Ions Transport and Cell Death in Cultured Cardiomyocytes
		Biosynthesis of acylated quercetin analogues and evaluation of their anticancer activity
		Development of selective 11beta-Hydroxysteroid dehydrogenase (type 1) inhibitors as potential therapeutic agents for obesity
		Functional pharmacogenetics of human cytochromes P450 - multipronged approaches to elucidate their mechanism in drug therapy and development.
		Determination of potentially harmful microalgae in aquaculture areas of Aman Island, Penang
New DNA techniques for rapid and on-site strain determination of juvenile Asian Arowana ( <i>Scleropages formosus</i> )		
Quality control of paddy rice using thermal image processing		

2012	SCIENCEFUND	Public goods procurement auction to allocate heritage conservation subsidy: An experimental study
		Performance improvement in direct torque control of induction motor for electric vehicle application
		Hybrid Polymer/Semiconductor Nanoparticles for Solar Cells Application
		Development of a Single-Chip Platform for In-Situ Debug And Diagnosis of On-Board Integrated Circuits
		A Novel Algorithm For Alerting Motorcycles Approaching To Avoid Traffic Accidents In Malaysia
		Development of a Superconducting Wind Turbine Generator Prototype for Generation of Electricity from Wind
		Development of high performance TiO <sub>2</sub> based varistor materials with new dopants and binders
		In vivo investigation of the analgesic and anti-arthritis effects of zerumbone on complete Freund's adjuvant (CFA)-induced rheumatoid arthritis model in rats
		Resiliency to Tsunami Disaster Through Community-Based Disaster Preparedness in Penang
		Pembangunan Instrumen Menguji Kefasihan Bahasa Melayu (UKBM)
		Uncertainty Analysis of Climate Change Impacts on Components of the Hydrologic Cycle and on Water Resources Policies
		The use of oil palm fronds to reduce rumen methanogenesis in cattle
		Development of an electrochemical biosensor using disposable screen-printed electrodes for the detection of dengue infection
		Physiological and molecular responses of the tropical oyster larvae to ocean acidification at warm and low-saline seawater: Immediate and latent effects
		Innovative fish rearing system with the least physiological stress using optimum light wavelength and light intensity.
		Synthesis and Microencapsulation of Ammonium Dinitramide (ADN) monopropellant using microfluidic technology
		Resources And Biology Of Tropical Tuna Species In Sulu Sulawesi Seas.
		Development of oil palm-based char-supported nanocatalyst for the reforming of biomass-derived tar compounds
		High Sensitivity Optimal Path Trace Back System Development based on Viterbi Algorithm for DNA Sequences Alignment Accelerator Application
		Inter-Area Transfer Capability Assessment Considering Capacity Benefit Margin With Reliability Of Interconnected System
		The Impact Of Radiant Barrier System On Residential Air Conditioning Load Under Malaysian Climatic Condition.
		Perfluorocarbon-based Colloidal Oxygen Carrier for Cosmeceutical Applications
		Development of Micro-Hydroelectric Using Double Stator Permanent Magnet Generator for Rural Areas
		Investigation of proteins induced in-vivo as diagnostic marker(s) for leptospirosis
		Photovoltaic Based Power Converter for Distributed Generation System
		Seismic Risk Assessment And Forecasting Of Klang Valley And Kundasang Regions Due To Previous And Possible Local Earthquakes
		Design and Development of Intelligent Two-Wheeled Wheelchair for Disabled
		Dyslexia In The Workplace: Patterns Of Difficulties And Coping Strategies.
		Breast cancer detection in digital mammograms using multiresolution representations
		Investigating the Formation and Maintenance of Somatosensory Disorders and Bodily Misperceptions
Mobile Embedded Platform Attestation Technique		

2012	SCIENCEFUND	Developing an Automated Assistant for Computing Integrals Over Polynomially Defined Regions and Their Boundaries using a Computer Algebra System (CAS)
		Developing Agent Based Modeling Using Boltzmann Machine And Activation Function For Logic Programming And Reverse Analysis
		Automated Negotiation Support System for Value Management in Construction
		Molecular Phylogeny of Colletotrichum species Associated with Anthracnose of Red Flesh Dragon Fruit (Hylocereus polyrhizus)
		Development of rapid protocols for surveillance and diagnosis of epizootic ulcerative syndrome (EUS) and molecular characterization of the associated fungus Aphanomyces invadans
		Isolation, identification and characterisation of active bio-coagulant agents from natural indigenous plants in Malaysia for sustainable environmentally friendly water treatment
		Seismic Behaviour of Precast Beam-Column Joints Designed in Accordance to Eurocode 8 (EC8) under Lateral Cyclic Loading
		Photodegradation Of Organic Gaseous Pollutants Under Visible Light
		Exploring the Potential of Malaysian Palm Oil Fuel Ash in Developing Durable Self-Compacting Concrete.
		Development of Nanostructure Mixed Matrix Membrane for Facilitated CO <sub>2</sub> Separation
		Development of Multi-Functional Inorganic Separator for Electrochemical Cells
		Micro-Structuring Of Nonconductive Ceramic Materials Using Micro-Edm With Pyrolytic Carbon In Dielectric Fluid
		Developing Codes for the Solution of Differential Algebraic Equations (DAEs)
		Optimization Of Combustion For Compressed Natural Gas (Cng) Fuel Engine
		Determination of Tsunami Force on Structures
		Effective pre-treatment process to eliminate wet pockets in conventional drying of acacia
		Population dynamic assessment of Indian mackerels and round scads in the Sulu-Sulawesi Sea (East coast of Sabah) using tagging approach.
		Formation of Thick Nitrided SiO <sub>2</sub> Film on 4H-SiC via Wet Nitridation Technique
		Removal of Natural Organic Matter (NOM) using self-cleaning mixed matrix membrane
		Intelligent-based Automated Risk and Integrity Assessment Tool for Corroding Structure Using Hybrid Probabilistic-Deterministic Theory (SICA)
		Performance Analysis of Stimulated Raman Scattering in Routing and Wavelength Assignment
		Design and Development of Service Differentiated Reconfigurable Add Drop Multiplexer Based on Optical Code Division Multiplexing
		Development of Efficient Security protocol Based on Scalable Key Management (SKM) Scheme in Wireless Broadband Networks
		Development of An Image Carving Tool for JPEG Intertwined Files with Hidden Messages Detection.
		Green Inter-Vehicular Communication & Global Telematics System (G2-Telematics)
		Design and Development of Software based Prototype for Sudden Cardiac Death (SCD) Prediction From Electrocardiogram (ECG) Signal
		A Computational Model of Human Creativity in a High Complexity Domain
		Detection of immunogenic parasite and host-specific proteins in the sera of individuals infected with Plasmodium Knowlesi
		Therapeutic Effects of Calcium Carbonate Nano-crystal Aragonite Polymorph on Bone Cancer Metastasis and Drug Delivery System
		Novel Mini-Enzyme for Enantiomeric Separation of (R,S)-Ibuprofen Drug
Tumor Necrosis Factor-Alpha (Tnfa), Vitamin-D Receptor (Vdr) And Adipokine Gene Polymorphisms, Micronutrients, And Risk Of Nasopharyngeal Carcinoma		
Vaccine Development Against Streptococcosis In Cultured Red Tilapia; Oreochromis Species		



2012	SCIENCEFUND	Targeted delivery of small interfering RNAs (siRNAs) against oncogenes using pH-sensitive nanoparticles for inhibition of cancer cell proliferation and survival
		Multi-Transceiver Free Space Optical 3-Dimensional Structures for the Last-Mile
		Portable sensor for selective and specific toxic metals utilizing peptide nanocomposite as the recognition element
		Increasing the Value of Sesendok (Endospermum Malaccense) Wood Through Chemical Modification and Incorporation of Nano Clay Particles
		Development of enzymatic hollow fiber membrane reactor for the production galactosyl-oligosaccharides (GOS)
		Smart Material Actuated Autonomous Snake Robot for Executing Flexible Motion
		Development of Electromagnetism-Like (EM) Embedded Smart Controller for Energy Wastage Diagnosis and Optimization of Machine Efficiency
		Development of bilayered 45S5 Bioglass® composite scaffolds for osteochondral tissue engineering applications.
		Development of a Narrow Beamwidth Non-Dish Directional Antenna for Neutral Hydrogen Emission Observation
		Exploring the Effectiveness of Environmental Education Program in Influencing Secondary School Students' Human-Wildlife Relationship.
		Multiple curved and kinked cracks problems in infinite strip or finite plate
		Magnetic, magnetoresistive and electric transport properties of Praseodymium based nanomanganites synthesized via wet-chemical method
		Mangrove Associated Benthic Community in Sarawak with Special Reference to Epiphytic Algae
		The use of silt pits in non-terraced hill slopes to conserve soil nutrients and to reduce water stress in oil palm trees
		Reduction of heavy metals residues from fish oil using Supercritical Fluid Extraction (SFE)
		Evaluation of local spices and herbs for the reduction of heterocyclic amines (HCAs) in meat and meat products
		Development of Highly Active Nanocatalyst for Reducing Cold-Start Automotive Emissions
		Nonparametric Test for Partly-Interval Censored Failure Time Data
		Synergistic Effects of Local Herbs in Inhibiting Angiogenesis in Leukaemia-Lymphoma Rats
		Phytase Production from <i>Mitsuokella jalaludinii</i> as Dietary Supplement for Poultry
		Assessing the Economic Values of Ecotourism Resources
		Development of Cost Effective and Commercialization Water Treatment Technique by Using Calcareous Skeleton Stabilizing Agent: Potential Application in Attenuation of Toxic Metals
		The use of RNA interference as a novel anti-viral agent against respiratory syncytial virus
		Investigating the Efficacy of a Low Glycemic Index Diet on glycemic control and pregnancy outcomes in Malaysian women with gestational diabetes mellitus: A Randomised Controlled Trial
		Failure modes evaluation of Al/PU foam sandwich composite under flexural and compression test using ANSYS MULTIPHYSIC
		Development of Bio-functionalized Mesoporous Materials For Eradication Of <i>Pomacea Canalicuta</i> (Siput Gondang Emas) Eggs
		Relationship between the electrical and magnetic properties of saturated porous rocks and nanoparticle content for application to improve wireline logging measurements of low resistivity formations
		Development of Semiconductor Optical Amplifier (SOA) functionality for all-optical wavelength conversion and noise reduction
		Hyaluronan (HA) Producer Harboring has Genes from <i>Streptococcus zooepidemicus</i> and Bioprocessing Strategies of HA Biosynthesis
		Hydrogel Derived Biochar Composite for Sequestration of Carbon Dioxide
		Development of new catalytic process of obtaining olefin from glycerol
		Development of an adaptive controller to control spot weld strength during process variations.

2012	SCIENCEFUND	A history of hazards in near shoreline contaminated by organic pollutants, heavy metals and radioactive materials
		Study on Spatio-temporal Variation of Scleractinian Coral Recruitment Towards Sustainable Coral Reef Conservation in Pulau Tioman and Balok, Pahang
		Marine Invasive Species in Ballast Water from Commercial Ships Berthed at Ports of Malaysia
		High Speed Embedded Image Processor for Synthetic Aperture Radar (SAR)
		Improvement of greenhouse solar dryer using Computational Fluid Dynamics (CFD) for seaweeds production.
		Structural Failure Analysis in Hydrodynamic Ram (HRAM) using Smoothed Particle Hydrodynamics (SPH)
		Ionic liquids in green proton-conducting polymer electrolyte fuel cells: A new development for energy generation
		Development of new cannulated screw in diamond-shaped arrangement for management of fracture neck of femur
		Development and structural optimisation of dual-layer hollow fibre for micro-tubular solid oxide fuel cell
		Production of high polyphenols cocoa ( <i>Theobroma cacao</i> L.) by adsorption drying technique
		Development of Strategies and Techniques to Control the Asian Subterranean Termite <i>Coptotermes gestroi</i> Wassman in Urban Settlements
		Wireless Mesh Network Architectur Design:Zero-Degree Model for Internet Gateway Placement
		A Software-Defined Ultra-Wideband Mobile Wireless Transceiver Based On Adaptive Channel Estimation Method Using Nonstationarity Channel Information
		Software Security Engineering In Agile Development Methods
		Blood Flow Visualization of Heart Artery for Cardiac Disease Diagnosis
		Multicast Network Security using Quantum Key Distribution (QKD)
		Hardware implementation of a novel impedance spectroscopy system for cancer cell studies
		Auto Detection Tool for Malaria Parasites on Stained Blood Films
		Patients' Experience of Insulin Therapy for Type 2 Diabetes Management
		Wireless Intelligent Assistive Navigation Management System Using SmartGuide Devices for Visually Impaired People Phase 2
		Energy Efficient Re-configurable Wireless Vision Sensor Network for Visual Research and Applications - Phase 2 (Multi-View Processing and Security)
		Design, Synthesis and Docking Simulation of Chalcone Derivatives As Anti-inflammatory Agents With Dual Inhibitory Effects on Cyclooxygenase II and Lipoxygenase Enzymes
		A DNA biosensor with dry-reagent for rapid detection of biohazard <i>Vibrio cholerae</i> in flood disaster zones
		Isolation of Bioactive Elastin Peptides from Livestock By-Products
		Functional Analysis of Phytochelatin Synthase With Phytoremediation Potentials
		The development of 3-D living corneal equivalent for eye irritant testing and wound healing model
		Functional annotation and pathway analysis of somatic embryogenesis-related genes.
		Development of inhibitor for juvenile hormone III (JH III) biosynthetic pathway
		Recombinant expression of TES-26 and TES-30 of <i>Toxocara canis</i> by the yeast <i>Pichia pastoris</i> for diagnostic use
		Structure-based design of Transforming Growth Factor- $\beta$ type II receptor inhibitors as potential therapeutic drugs
Development of a cell ablation system for restriction of pollen flow and development of male sterile lines for hybrid rice development		

2012	SCIENCEFUND	Authentication Analysis of Edible Bird's Nest Based on Proteomics-Based Methods in Combination with Chemometrics.(Ketetapan/Pelarasan Keaslian Sarang Burung Walit)
		Transcriptome profiling for identifying novel biomarkers in swiftlets of conservation and industry importance (Ketetapan/Pelarasan Keaslian Sarang Burung Walit)
		Development of PCR-ELISA method for rapid and simultaneous identification of edible birds' nest (EBN) and related swiftlets species - Ketetapan/Pelarasan Keaslian Sarang Burung Walit (Top Down Biotek Projek)
		Quality And Anti-Aging Determinants Of Edible Bird's Nest (Ebn) By Nutrigenomic And Metabolomic Strategies (Ketetapan/Pelarasan Keaslian Sarang Burung Walit)
		Efficient Retting of Kenaf using Microbial Enzymes
		Biomonitoring works for the detection of xenobiotics in the Juru area using a composite Xenoassay® system
		Purification of periplasmic interferon- $\alpha$ 2b from Escherichia coli using an integrated approach between osmotic shock and further downstream processing
		Inhibition of Enterovirus 71 in Cell Cultures and in Mice by Vivo-Morpholino (vivo-MO)
		Assessment of Appetite Suppressant Activities and Lipid Digestion Metabolite from Piper Betle Leaf Extracts Using Metabolomic Approach.
		Transcriptome profiling of nematode (Haemonchus contortus) resistance genes in goat
		Papaya as a model system for studying Systemic Acquired Resistance to Address Papaya Dieback Disease
		Synthesis And Fabrication Of Cnt/ Metal Oxide Nanocomposite In Hybrid Junction Structure For Dye-Sensitized Solar Cell
		Development of an Ergonomic Car Operation and Control Pedal
		Green Organic Solar Cells Based on Water Soluble Polythiophene and Nanocrystalline Zinc Oxide Prepared By Inkjet Printing Technique
		Development of Integrated Electromagnetic Micro-Pump based on Embedded Planar Micro-Coil for Ultra Low Fluid Injection of Bio-Samples
		Development of Real Time Monitoring Machining Condition Using Wireless System for Rotating Spindle
		Development of High Temperature Resistant Silicon Carbide (SiC) Based MEMS Pressure Sensor for Monitoring Gas Turbine Performance
		A Novel Bulk Metallic Glass Foam for Aerospace Applications
		New Generation Thin-Film Composite Nanofiltration Membrane by Incorporation of Functionalized Nanoparticles for Ground and Brackish Water Treatment Application
		Development of nanofiber biocatalyst system
		Effect of radio frequency power and various catalysts on thermocatalytic cracking of vapor tarry material
		Development of III-V Semiconductor Based Integrated On-Chip HEMT Devices for Wireless Power Supply and Detector Application in Nanosystems
		Design & Synthesis Of Nanometal/Msn Nanohybrid Catalyst For Methanation Of Co2 In Malaysian Natural Gas
		Development of Organo-Zeolite as Advanced Controlled Release Fertilizer
		Development of High Performance Energy Storage Device from Nanostructured and Aligned Carbon Nanotube Electrode
		Design and Implementation of a Power Efficient 0.2V, 32kb Embedded Memory compiler in 45nm CMOS
Development of Hybrid Biomaterial Membrane by Radiation Technology Approach for Guided Bone Regeneration		
Development of graft co-polymer as metal ion adsorbent from wastewater		

2012	SCIENCEFUND	Fabrication of carbon-copper (C-Cu) composites using local carbon material through warm-compaction process for potential electrical and electronic applications
		Kelestarian Hub Halal Malaysia: Inovasi dan Pengantarabangsaan Industri Pembuatan Makanan Bumiputera Islam
		Molecular epidemiology, antibiotic resistance mechanisms and virulent properties of recently emerging nosocomial pathogen <i>Stenotrophomonas maltophilia</i> and its impact to healthcare
		Understanding chemical sensitivity and preference of grouper to amino acids for aquafeed development
		Development of an Enzyme-Linked Immunosorbent Assay (ELISA) for Vitellogenin Measurement in Malaysian River Catfish, <i>Hemibagrus nemurus</i>
		Assessment of Risk of Mortality in Malaysian Pediatric Intensive Care Units and establishing a clinical database (PEDICARE)
		Modeling of Solar Charged Particle along the Equatorial Regions
		Pesticides and Nutrients Modelling for Anthropogenic Organic Pollutants from the Oil Palm Plantation Area, Tasik Chini, Pahang, Malaysia.
		Self-Assembled Metallized Cylindrical Nanostructures
		Synthesis and Characterization of New Conducting Polymer/Graphene Composites for Energy Storage Devices
		High-resolution melting approach for rapid and effective evaluation of helminth in mixed-helminthes-population samples
		An Exploratory Study of Women's Experiences and Attitudes towards Vaginal Symptoms
		Characterisation of New Genic Microsatellite Markers in <i>Vanda Mimi Palmer</i> for Biodiversity Search in Malaysian Vandaceous Orchids
		Dielectric Spectroscopy Characterization of Oil Content and Bunch Components in Oil Palm Bunch Analysis
		Superhydrophobic Ceramic Membrane for Carbon Dioxide Removal
		To study the physical impact of the "Cho Abelian Decomposition" of the gauge potential in the SU(2) Yang-Mills-Higgs Theories of the Monopoles Solutions.
		Rubber-blend-based Pressure-sensitive Adhesives
		Development of a Multi-Objective Stormwater Extended Detention Pond Model for Urban Catchment System
		Enhancement of Activated Sludge Settleability with Potential Reduction of Sludge Bulking under Facilitation of Magnetic Fields
		Development of New Form Biogranular Sludge Under the Influence of Magnetic Induction for Industrial Wastewater Treatment
		Simultaneous Production of Synthesis Gas and Pure Hydrogen Using Ceramic Hollow Fiber Membrane Microreactor
		Design, Synthesis, Characterisation and Cytotoxicity Study of New Chiral Calixarene Derivatives
		Material And Energy Flow Analysis For Agricultural Biomass Waste In Terengganu Region
		Towards effective sequestration of carbon dioxide on Malaysian coal seams - investigation of capacity and related attributes.
		CO2 Capture Using an Amino-polymeric Membrane
		Radio Propagation Modeling of Drain in Urban Environment: an Empirical and Numerical Approach via Ray Tracing Simulations
Genotype x Environment evaluation of new pineapple hybrids		
Strategic Decision Making Tools in Government Asset & Facilities Management		

2012	SCIENCEFUND	Development of a Tool Using a Hybrid of Bees Algorithm and Flux Balance Analysis (BAFBA) for Improving the Production of Vitamin B in Microbial Strains
		Automatic Design, Optimization and In-Situ Fabrication of Heterogeneous Swarm Robot Bodies using 3-D Printing and Multi-Objective Evolutionary Algorithms
		Regeneration of dental pulp tissue from human exfoliated deciduous teeth stem cells using amniotic membrane as the scaffold
		Identification, Purification And Characterization Of Tetrathionate Hydrolase From Thiobacillus Ferrooxidans, An Enzyme Responsible For Enzymatic Devulcanization Of Waste Rubber Products
		Characterising host-parasite metabolic interaction of Toxoplasma gondii infection in murine model: A system biology approach
		Utilization of Molecular Tool to Detect the Authenticity of Cocoa Clones
		Ballast Water Treatment Onboard Ships for Optimising Ballast Water Management
		Design of sustained-release alginate-norfloxacin floating modular system for treatment of urinary tract infection
		Classification of Bridge Pier and The Site Based on Its Dynamic Characteristics
		Further characterisation of monoclonal antibodies directed towards human pathogen Candida glabrata towards development of immunoassay
		Novel Bioabsorbable Inteference Screw Composite Consist of Rice Husk Bioactive Ceramic and Poly-L-Lactide
		Development Of Bio-Material For Strengthening Reinforced Concrete Structure
		Deveopment of green recyled-PP composites for high strength applications
		Developing A Biodegradable Low Cross-Link Carboxymethylcellulose Hyrogels From Sago Waste For Control Release Of Colon Anticancer Drug
		Development of Corrugated Particleboard (CPB) As A New Innovative Product for Structural Applications
		Impact of PAX4 genes mutation on sitagliptin treatment response in type 2 diabetes mellitus patients.
		Implementation of food-borne pathogens in production of oral vaccines and delivery of antibiotics using Bacterial Ghost (BG) platform system.
		Establishment of DNA-based methodologies for admixture detection and quantification of domestic meat species
		microRNA-mediated immunomodulation of microglia by mesenchymal stem cells
		Design, synthesis and structure-activity relationsho studies on 2,4,6-trihydroxygeranylacetophenone (tHGA) analogues, an anti-inflammatory natural compound
		Development Of Novel Functional Meat Products With Cardioprotective Properties And Enhanced Shelf-Life Quality By Incorporation Of Defatted Kenaf Seed Meal (Dksm)
		Multiple Inlet Swirl Stabilized Burner For Biofuels Combustion
		Rapid identification of metastasis genes in breast cancers through genome-wide RNAi library screen
		Approach of IMTA (Integrated multitrophic aquaculture) to optimize the aquaculture production and as marine pollution control.
		New Seismic Hazard Map For Malaysian National Annex In Eurocode 8 And Construction Cost Implication For Buildings And Bridges
		Localised Multi-Station Lightning Detection and Warning System
		New Technique of Partial Discharge Signals Analysis of High Voltage Transformer Using Chromatic Approach of Ultra High Frequency
		Resveratrol-based oligomeric polyphenols from Dipterocarpus semivestitus (Dipterocarpaceae)

2012	SCIENCEFUND	Exploring the Roles of Psychological Ownership and Job Embeddedness on the Work Engagement and Burnout among Science and Mathematics Teachers in the Klang Valley
		General health status of indigenous people in Peninsular Malaysia, Sabah and Sarawak
		Graphene/Iron Oxide Thin Film for Photoelectrochemical Hydrogen Evolution
		Development of monoclonal antibodies against heat treated porcine blood for blood detection in surimi products
		The Integrated Ergonomics Approach In Reducing Musculoskeletal Disorders Among Harvesters In Oil Palm Plantation
		Suitability of Household Organic Waste as a Feedstock for Anaerobic Digestion
		Tapping Interlanguage Representations of Malaysian ESL Learners via an E-Primed Grammaticality Judgment Test: Argument versus Adjunct wh-questions
		Reduction of Greenhouse Gases and Nitrogen Fertilizer Loss from Agriculture Land Using Biological Charcoal (Biochar) as a Soil Amendment
		Environmental Exposure, Asthma and Allergies among Preschool Children :A Strategic Model on Preventive Measures
		Program Intervensi: Persediaan Hari Tua dalam kalangan Peserta Skim Kredit Mikro di Semenanjung Malaysia
		A web-based mental health assessment and psychiatric intervention programme in Malaysia
		An Efficient Low Power System-on-Chip Architectures
		Further Phytomedicinal Studies of Malaysian Uncaria via LC-MS-MS Dereplication Strategies
		Design and Development of Cross-Linked Enzyme Aggregates of Hemicellulases
		Integrated approach to improve local papaya varieties through anther and endosperm culture
		Transgenic hairy root culture of Polygonum minus for the production of $\beta$ -caryophyllene
		Design of recombinant psychrophilic chitinase (CHI II) for cold industrial process.
		Omega-3 desaturase gene knockout using homologous recombination and its effect on fatty acid biosynthesis in microalgae <i>Chlorella vulgaris</i> and <i>Ankistrodesmus gracilis</i>
		The development of molecular marker assisted selection of mastitis-free local dairy cattle
		Isolation and validation of gene-specific biocontrol agents with high anti pathogenic activity for the control of Papaya Dieback Disease
		Molecular elucidation of pathogenic mechanism in bacterial genome ( <i>Erwinia mallotivora</i> ) towards the control of papaya dieback disease
		Large scale production of <i>Grammatophyllum speciosum</i> Blume (Tiger Orchid) using Temporary Immersion Bioreactor System
		Performance of Single-Cell Cerate Zirconate Based Solid Oxide Fuel Cell At Intermediate Temperatures
		Research and development on secondary optics in dense array concentrator photovoltaic system
		Design and Development of Digital Pulse Shape Discrimination (PSD) Techniques Using Field-Programmable Gate Array (FPGA) For Simultaneous Monitoring of Neutrons and Gamma Rays
		Development of Probability Safety Assessment for PUSPATI TRIGA Reactor using Half-Scope Mode of Operations and Human Reliability Analysis
Development of Ultrasonic Induced Thermography (UIT) System for Real - Time Defect Detection and Evaluation in Nuclear Power Plant (NPP) Components.		
Development of high sensitivity ultrasonic probes using advanced piezoelectrics (PMN-PT) with fabricated backing material for Non-Destructive Testing (NDT) application		

2012	SCIENCEFUND	Identification Of Toxins Produced By The Benthic Marine Dinoflagellates Gambierdiscus Toxicus And Coolia Malayensis
		Microheterotrophic transformation of palm oil mill effluent (POME) into single-cell protein (SCP) and single-cell oil (SCO) and their application as aquaculture feed
		Memristive Device Structures towards Neuromorphic Computational Circuits
		Late Movers Environmental Dynamic Capabilities in International Market
		Sustainable Facilities - Pedestrian Behavior Model
		Shear strengthening of precracked FRP reinforced concrete beams using bi-directional CFRP strips subjected to reversed cyclic load
		Structural And Biological Activity Studies To Identify The Potential As Component In Drug On Organotin(IV) And Selected Heavy Metal (Sn, Sb, Pb Or Bi) Complexes Containing Nitrogen, Oxygen And Sulphur Containing Ligands
		Behavioral ecology study of red palm weevils, <i>Rhynchophorus</i> sp (Coleoptera: Curculionidae), the new invasive insect pest capable of destroying the oil palm industry in Malaysia, and its control methods
		The study of novel platinum(II) salphen complex-single stranded(ss)DNA hybrid as fluorescence porcine DNA probe for Halal product identification
		Identification and Development of DNA Methylation Biomarkers Towards Response to Pre-Operative Radiotherapy Treatment in Rectal Cancer Patients
		Detection and Identification of Microsporidia Antigens in HIV/AIDS Patients via Serum Proteomic Approach
		Evaluating the extent, risk factors and the role of vitamin D deficiency in pregnant women and their newborn infants towards developing a nationwide Vitamin D supplementation programme to improve perinatal health outcomes.
		Development Of Process Improvement For The Recovery Of Bioactive Peptides From Fish Industry By-Products
		Developing The Rating System Model For Assessing The Livability Of Malaysian Cities
		Carbon dioxide separation using Kenaf ( <i>Hibiscus Canninus</i> (L.) based adsorbent in pressure swing adsorption system.
		Development of a preliminary design chart for practical use for the Deep Mixing Method.
		The Effect Of Selected Heavy Metals Exposure On Chromosomal Integrity Over Multiple Generations In Selected Species Of Chironomus Larvae.
		Isolation of virulent isolates of entomopathogenic fungi against the invasive coconut pest, Red Palm Weevil ( <i>Rhynchophorus ferrugineus</i> ; Curculionidae; Coleoptera)
		Spray drying of xanthenes: Physicochemical properties and release profile of powder
		Application of CYP2E1 as a clinical tool to monitor progression of diabetes and its complications
		Determining the impact of urinary incontinence on quality of life using QUID and exploring evidence for autonomic nervous system dysfunction in these women
		Addressing osteoporosis prevention in Malaysian postmenopausal women: a tertiary hospital setting
		The predictive use of vision by Orangutans ( <i>Pongo abelii</i> ) in navigation and foraging for rewards in naturalistic environments.
		Study on behaviour of radionuclides in local soils to understand the factors affecting their dispersion and fate in the terrestrial environment
		Development of Early Maturing and High Yielding Rice Progenies
		Development of low-acrylamide tapioca chips by using antioxidants extract from local sources
		Development of Malaysian Hybrid Rice Variety Using Three Lines System .
Development of high density grains variety for enhancing rice yield potential.		

2012	SCIENCEFUND	Causal factors and sustainable corrective measures for rusty pulp incidence in jackfruit ( <i>Artocarpus heterophyllus</i> )
		Integrated nutrient management for rice production using Plant Growth Promoting Rhizobacterial (PGPR) inoculant
		Evaluation of Local Improved Cassava Varieties as Feeds for Dairy Goat
		Nematophagous Fungi From Local Isolates To Control Root-knot Nematode ( <i>Meloidogyne incognita</i> )
		Measuring Performance Of Maintenance Providers / Contractors In Public Works Department Using The Servqual Methods.
		Shaped-Steered Electromagnetic Stationary Radar System
		Fabrication of micropropulsion system using graphene based polymer derived ceramic material for application in challenging space environment
		Data management for offshore pelagic stock (beyond 30 nm) through acoustic approach in Sarawak water
2012	TECHNOFUND	Pre Commercialisation of Bwave Wireless Digital Lifestyle System
		TO UP-SCALE THE PRODUCTION OF IMMUNO-GOLD BIOSENSOR STRIP FOR THE DETECTION OF ANTIBIOTIC IN POULTRY
		Pre-Commercialization of a Desk-Top Dynamometer
		Mass rearing and field evaluation of transgenic <i>Aedes aegypti</i> (L.) for the control of dengue vector
		UP SCALING OF BACTERIOPHAGES PRODUCTION AS BIOPESTICIDE FOR CONTROLLING CROPS DISEASES
		The production of cellulose nanocrystals (CNC) from kenaf bast fiber.
		RESCUE-i Monitoring System
		Pre-commercialisation of in vitro diagnostics kit for infectious diseases in neglected economies
		Co-digestion of Source-Segregated Food Waste and Sewage Sludge at an Existing Sewage Treatment Plant with Production of Biogas as Renewable Energy
		Development of Automation Intravenous Catheter Assembly Integrated with Vision Inspection System Machine.
		DOC SCAN
		Development And Pilot Production Of Commercial-Ready Models Of Small Arm Weapons
		To setup Prototype Plant for Pre-commercialization of New renewable fuel "Power Oil".
		Design And Development of Automation Wafer/Chip & Die Sorter Integrated Vision Inspection Machine.
		TRACEWALK – CLOUD BASED BACKUP SEARCH
Urban Hatchery and Satellite Farm for Crustaceans		
1-5Gb/s High Speed Low Cost Small Foot Print Integrated Optical Receiver (Rx) Development for Long Distance Consumer Electronics Market Applications		
INNOFUND		
2012	Enterprise-Small	eSentral - Electronic Publication Portal With DRM (Digital Right Management)
	Enterprise - Small	Domestic Clean Electricity Generator
	Enterprise - Small	New Revolutionary Acoustical material Panel Using Kenaf Composite (K-FOC)
	Enterprise - Small	Compliance Management Suite (COMPSUITE)
	Enterprise - Small	Element ADNS-02 Gas Electrolysis
	Community	CAHAYA



2012	Community	Local Borneo Community Contents
	Community	Membangunkan Sistem Kawalan Disiplin Murid (E-Disiplin)
	Community	Senior Citizen Empowerment Programme
	Enterprise - Micro	Penambahbaikan kepada produk tradisional berasaskan batu benang sila kepada produk mineral berinovasi untuk aplikasi topikal
	Enterprise - Small	Herbal Tea Produk Development From Aquilaria Specices
	Enterprise - Individu	Badminton Shuttlecock Vending Machine
	Community	Positif Online Parenting
	Enterprise - Small	Nail-Plated Composite Structural System
	Enterprise - Small	Design & Development of 2 in 1 thermoforming system for solid surface and thermoplastic materials