

No.	Project Title	Project Leader	Institution	Research Cluster
1	Inter-Vehicular Communications: Harnessing The Power Of Wireless Communications For Future Vehicular Services	C A T H Tee	Malaysia University of Science and Technology	ICT
2	Development Of Web-Based Tool To Support Collaborative Software Development In A Distributed Environment	Sellappan A/L Palaniappan	Malaysia University of Science and Technology	ICT
3	Development Of Intelligent Healthcare Decision Support System Using Online Analytical Processing (OLAP) And Data Mining Techniques	Sellappan A/L Palaniappan	Malaysia University of Science and Technology	ICT
4	Temporal Video Compression	Lim Wee Keong	Multimedia University	ICT
5	Context-Aware And Dynamically Evaluative Authoring/Knowledge Management Tool In Service-Oriented Learning Environments	Chien-Sing Lee	Multimedia University	ICT
6	Development And Optimisation Of Smart Antenna Solutions For Wireless Mesh Networks	Chuah Teong Chee	Multimedia University	ICT
7	Design Of An Efficient And Provable Secure Public Key Encryption With Keyword Search Scheme	Yau Wei Chuen	Multimedia University	ICT
8	Reconfigurable Gain Equalizer For Optical Amplifiers Using Fibre Bragg Grating With Dynamic Stress Distribution	Mohd Ridzuan Mokhtar	Multimedia University	ICT
9	A Two-Tier Fast Video Encryption Algorithm	Goi Bok Min	Multimedia University	ICT
10	Wireless Local Area Network (Wlan) Testbed For Quality Of Service (Qos) Provisioning	Bryan Ng	Multimedia University	ICT
11	The Design And Fabrication Of Uhf Rfid Transponder Chip Employing Silterra 0.18 Micron Technology	Faisal bin Mohd Yasin	Multimedia University	ICT

No.	Project Title	Project Leader	Institution	Research Cluster
12	A Study On The Usability And Design Factors Of Using Multimedia In An E-Learning Environment: Its Impact On The Student Learning Process In Malaysian Institutions Of Higher Learning	Neo Mai	Multimedia University	ICT
13	Query Processing In Native Xml Databases : A Hybrid Approach	Haw Su Cheng	Multimedia University	ICT
14	Heritage Preservation In Virtual Environment Using Realistic Lighting Computation	Ahmad Rafi Mohamed Eshaq	Multimedia University	ICT
15	A Novel Adaptive Genetic Algorithm Design For The Multi-Objective Optimization Of High-Level Synthesis	Florence Choong Chiao Mei	Multimedia University	ICT
16	Low Resolution Contact-less Hand Based Multimodal Biometric System	Goh Kah Ong Michael	Multimedia University	ICT
17	Perception and Encoding of Audio Objects and their Applications in Brain-Computer Interface	Somnuk Phon-Amnuaisuk	Multimedia University	ICT
18	Design and Optimisation of Signal Coding Techniques for Broadband Power Line Communications	Chuah Teong Chee	Multimedia University	ICT
19	Security Enhancement of IEEE 802.16 Wireless Broadband Standard	Mohamad Yusoff Bin Alias	Multimedia University	ICT
20	Hardware Prototyping of a Multiagent Based Smart Home for Disabled People	Md. Mamun bin Ibne Reaz	Universiti Islam Antarabangsa Malaysia	ICT
21	Multimodal Mobile Interpreter	Tengku Mohd bin Tengku Sembok	Universiti Kebangsaan Malaysia	ICT
22	Development Of Automated Malay-Jawi Documents Transliteration Web Service Using XML-Based Protocol	Mohd. Zamri bin Murah	Universiti Kebangsaan Malaysia	ICT

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23	Edutainment Courseware For Teaching Moral Values	Nor Azan binti Hj. Mat Zin	Universiti Kebangsaan Malaysia	ICT
24	Classification-Based Method For Representing Simulatable Flow Chart Diagram	Syahanim Mohd Salleh	Universiti Kebangsaan Malaysia	ICT
25	Pembangunan Sistem Penilaian Dan Persediaan Bagi Pengembangan Potensi Kerjaya Berasaskan Web (S4PK)	Amla Mohd Salleh	Universiti Kebangsaan Malaysia	ICT
26	A Dynamic Automated Scheduler Using Meta-Heuristic Approach	Masri binti Ayob	Universiti Kebangsaan Malaysia	ICT
27	Development Of On-Line Psychometric Entrepreneurship Index (OLPEI) Instrument For Malaysian Undergraduates At Higher Learning Institutions	Nor Aishah binti Buang	Universiti Kebangsaan Malaysia	ICT
28	Development Of Tomography- Surface Wave For Engineering Assessment Of Geotechnical Structures	Zamri Bin Chik	Universiti Kebangsaan Malaysia	ICT
29	Development Of Testbed With Intelligent Simulator On Location Based Services In Cellular Networks	Mahamod Ismail	Universiti Kebangsaan Malaysia	ICT
30	The Development Of Goediversity Repository Based On Digital Object Modelling.	Aziz Bin Deraman	Universiti Kebangsaan Malaysia	ICT
31	Development Of An Integrated Model And Intelligent Support Tool For Software Certification Process	Aziz Bin Deraman	Universiti Kebangsaan Malaysia	ICT
32	Development Of Dynamic Tool For The Assessment Of Quality Improvements Within A Cell-Based Automotive Manufacturing Company	Mohd Nizam Ab Rahman	Universiti Kebangsaan Malaysia	ICT
33	Development Of An Intelligent System For Environmentally Sustainable Construction Practice	Noor Ezlin binti Ahmad Basri	Universiti Kebangsaan Malaysia	ICT

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34	Configuration-Based Support Tool For Reliability Prediction In Mechanical Components	DZURAIDAH ABD WAHAB	Universiti Kebangsaan Malaysia	ICT
35	The Design Of 13.56 Mhz RFID Reader Employing Silterra Technology	Mohd. Alauddin bin Mohd. Ali	Universiti Kebangsaan Malaysia	ICT
36	Optical Coded Division Multiple Access Encoder And Decoder Using Arrayed Waveguide Gratings	Sahbudin Shaari	Universiti Kebangsaan Malaysia	ICT
37	Development Of Joint Audio-Visual Signal Processing Systems For Malay Speech And Speaker Recognition.	Salina binti Abdul Samad	Universiti Kebangsaan Malaysia	ICT
38	Novel MIMO Testbed Development For Broadband Wireless System	Norbahiah Misran	Universiti Kebangsaan Malaysia	ICT
39	Image Based Fuzzy Expert System For Paddy Diseases Diagnosis	Salwani Abdullah	Universiti Kebangsaan Malaysia	ICT
40	Development Of A Malaysian Sex Education Courseware (MSE) For Secondary School Based On 3D Animation Approach	Azizah binti Jaafar	Universiti Kebangsaan Malaysia	ICT
41	Development Of A Consumption Model For ICT Broadband Services	Nur Riza binti Mohd. Suradi	Universiti Kebangsaan Malaysia	ICT
42	Development Of An Online Monitoring And Control System For A Biological Treatment Of Wastewater In A Sequencing Batch Reactor Based On Artificial Intelligence Techniques	Siti Rozaimah Sheikh Abdullah	Universiti Kebangsaan Malaysia	ICT
43	Development Of Online 21st Century Thinking Skills Assessment: Towards Humanising Assessment Of Human Capital	Kamisah Osman	Universiti Kebangsaan Malaysia	ICT
44	Advanced Resource Management Solutions For Future All Ip Heterogeneous Mobile Radio	Mahamod Ismail	Universiti Kebangsaan Malaysia	ICT

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45	Intelligent Web Tutor	Nor Azan binti Hj. Mat Zin	Universiti Kebangsaan Malaysia	ICT
46	Development of in-line monitoring optical device and centralized troubleshooting system for new FTTH network.	Mohd Syuhaimi Bin Ab. Rahman	Universiti Kebangsaan Malaysia	ICT
47	An Expert System For Integrated Quality Management System For Construction Projects	Amiruddin Bin Ismail	Universiti Kebangsaan Malaysia	ICT
48	Radio Network Control (RNC) For Future Mobile Telecommunication System	Mohammad Faizal Ismail	Universiti Malaya	ICT
49	Development Of A River Basin Network System Modelling With GIS Application For Water Quality Monitoring	Faridah binti Othman	Universiti Malaya	ICT
50	The Use Of Geographical Information Systems In Solid Waste Management: An Integration Of Multicriteria Decision Making For Optimum Landfill Siting	Sumiani Yusoff	Universiti Malaya	ICT
51	Subsurface Profiling And Mapping Using Geophysical And Boring Methods For Infrastructure And Construction Industry Utilising Geographical Information System Based Technology	Samsudin Bin Hj Taib	Universiti Malaya	ICT
52	The Application Of AI Techniques In The Prognosis Of AIDS	Sameem Abdul Kareem	Universiti Malaya	ICT
53	Digital Libraries Of Malay Manuscripts On A Grid Network	Zainab Awang Ngah	Universiti Malaya	ICT
54	The Effectiveness Of Visual Auditory Simulation Technique (Vastech) In Promoting On-Task Behaviour Of Children	Loh Sau Cheong	Universiti Malaya	ICT
55	High Performance Real-Time Processing Chip Design For Offline Jawi Character Recognition Using Discrete Wavelet Transform (DWT)	Zaidi Razak	Universiti Malaya	ICT

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56	Integrated Biodiversity Databases- Networking Malaysian Biodiversity Resources Using Innovative Methods And Computational Tools.	Sarinder Kaur Kashmir Singh	Universiti Malaya	ICT
57	Design And Development Of Wireless Access Protocols For Joint Isochronous And Non-Isochronous Applications.	Kaharudin bin Dimiyati	Universiti Malaya	ICT
58	Development Of A Computer-Supported Active Learning System For Blended Learning Environment	Salimah Mokhtar	Universiti Malaya	ICT
59	Reconfigurable High Performance Coprocessor Chip Design Of SPAM/UCE Inline Filter Using Levenshtein Distance Approximate String Search Algorithm	Emran Mohd Tamil	Universiti Malaya	ICT
60	Design Of Video CODEC Based On Robust Video Analysis And Compression Techniques For Next Generation Multimedia Applications	Raveendran a/ Paramesran	Universiti Malaya	ICT
61	E-Assessment System For Tertiary Learning	Noraini Binti Idris	Universiti Malaya	ICT
62	Aplikasi Dan Penggunaan ICT Dalam Pembinaan Bahan Kesusasteraan Melayu Awal Kanak-Kanak	chew fong peng	Universiti Malaya	ICT
63	An Integrated Jawi Character Recognition Tool Using Chain Code Algorithm For Jawi Interactive Multimedia And Computer Based Assessment In J-Qaf Learning	Mohd Yakub@Zulkifli Hj Mohd Yusoff	Universiti Malaya	ICT
64	SMS/MMS Encryption For Secure Mobile Communication Using Public Key Infrastructure : M-PKI	Nor Badrul Anuar	Universiti Malaya	ICT
65	Development Of Robust Technique For A Real-Time Human Face Recognition System	Nor Azmi bin Johari	Universiti Malaysia Perlis	ICT
66	Design Of A Portable Continuous Blood Pressure Monitoring Kit With Built-In Low And High Blood Pressure Early Warnings	Mohd Yusof bin Mashor	Universiti Malaysia Perlis	ICT

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67	Portable Network Analyzer Using Embedded Linux Based Single Board Computer (Sbc)	Zahereel Ishwar Abdul Khalib	Universiti Malaysia Perlis	ICT
68	Development Of A Non-Destructive Fruit Maturity Testing System Utilizing Radio Frequency, Capacitive Properties And Neural Network Algorithm	Zulkifli Bin Husin	Universiti Malaysia Perlis	ICT
69	Development Of Intelligent Weevil Detection System For Harum Manis Mango Using Dielectric Sensor	Rohani Farook	Universiti Malaysia Perlis	ICT
70	Design And Development Of A Portable Anechoic Chamber For Microwave Antenna Measurements.	Ismahayati	Universiti Malaysia Perlis	ICT
71	Development of Cooperative Diversity Antenna Arrays Relay for Communication Infrastructure in Telemedicine Network	LIAU CHUNG FAN	Universiti Malaysia Sabah	ICT
72	Design And Development Of An Intelligent Augmented Reality Road Signs Recognition System With Finger Tracking Feature As An Input Device	NG GIAP WENG	Universiti Malaysia Sarawak	ICT
73	Design And Development Of A Novel Hybrid Kansei Engineering Intelligent System	TEH CHEE SIONG	Universiti Malaysia Sarawak	ICT
74	Multimodal User Interfaces for Collaborative Virtual Environments (CVE): A case study of MUSE (Multi User Single Environment) in Museum	Mohamad Hardyman Barawi	Universiti Malaysia Sarawak	ICT
75	Design and Development of Spoken Language Dialogue System: Efficacy of Usability Evaluation Techniques	NG GIAP WENG	Universiti Malaysia Sarawak	ICT
76	Multimodal Integration of Sketch and Melanau Daro-Matu Speech in Spatial Queries	Alvin Yeo Wee	Universiti Malaysia Sarawak	ICT
77	Methodologies for Translation into Minority Languages: English-Iban	edwin mit	Universiti Malaysia Sarawak	ICT

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78	Investigation On Animal Post Mortem Radiographic Changes For Application In Human Virtual Autopsy	Noordin bin Mohamed Mustapha	Universiti Putra Malaysia	ICT
79	Software Project Sizing Metrics for Object Oriented Environment	Mohd Hasan Bin Selamat	Universiti Putra Malaysia	ICT
80	Fuzzy Event Clustering for Video Closed-Caption	Lilly Suriani Affendey	Universiti Putra Malaysia	ICT
81	Quality Determination For Web-Based Applications	Abdul Azim Abdul Ghani	Universiti Putra Malaysia	ICT
82	Refining Garbage Collection in Open Distributed Systems	Nur Izura Udzir	Universiti Putra Malaysia	ICT
83	Development of a fast and compact polarization control system for high speed advanced modulation formats fiber optics transmission systems	Ahmad Fauzi Abas	Universiti Putra Malaysia	ICT
84	An E-Mail-Based Knowledge Acquisition Tool For Healthcare Knowledge Management	Cheah Yu-N	Universiti Sains Malaysia	ICT
85	Example-Based Machine Translation (Ebmt) Integrated Development Environment (Ide)	Cheah Yu-N	Universiti Sains Malaysia	ICT
86	Development Of Image Processing Technique Via Wireless Internet For Continuous Air Quality Monitoring	Wong Chow Jeng	Universiti Sains Malaysia	ICT
87	Development Of A Model For Landslides In Malaysia	Habibah binti Hj. Lateh	Universiti Sains Malaysia	ICT
88	The Development Of Interactive Voice Communications Over WLAN	Widad Binti Ismail	Universiti Sains Malaysia	ICT



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89	Development Of A Mobile Agent Based Parallel And Automated Java Testing Tool	Kamal Zuhairi Bin Zamli	Universiti Sains Malaysia	ICT
90	Development Of An Improved Radial Basis Function Network System (RBFN) For Protein Structure Prediction	Zarita Zainuddin	Universiti Sains Malaysia	ICT
91	The Construction Of An Integrated Development Environment (IDE) For Example-Based Machine Translation (EBMT) System Development	Chan Huah Yong	Universiti Sains Malaysia	ICT
92	Intelligent Slope Monitoring And Mitigation System Using Latest Advanced ICT Technology	Fauziah binti Ahmad	Universiti Sains Malaysia	ICT
93	Intelligent Network Anomaly And Misuse Detection Using Fuzzy Logic And Neural Network Techniques	AZLAN OSMAN	Universiti Sains Malaysia	ICT
94	Tsunami Simulation With Grid Computing For Coastal Zone Protection	Koh Hock Lye	Universiti Sains Malaysia	ICT
95	Image Enhancement And Recognition Tool For Underwater Images	Rosalina binti Abdul Salam	Universiti Sains Malaysia	ICT
96	Embedded System For Grid Handtop Computing	Mohd Azam Osman	Universiti Sains Malaysia	ICT
97	DRAFS: Dynamic Resource Allocation Towards Fair-Share Scheduling On Grid Environment	Fazilah Haron	Universiti Sains Malaysia	ICT
98	3D Liver Model For Hepatocellular Carcinoma (HCC) Pre-Surgical Planning.	Haidi bin Ibrahim	Universiti Sains Malaysia	ICT
99	Grid Resource Usage Advisory System	Chan Huah Yong	Universiti Sains Malaysia	ICT

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100	Intelligent Passive Network Fault Detection And Isolation	RAHMAT BUDIARTO	Universiti Sains Malaysia	ICT
101	Development Of Medical Image Registration And Fusion Algorithms For Mri Image Sequences	Khoo Bee Ee	Universiti Sains Malaysia	ICT
102	Development Of A New Architecture And Learning Algorithm Of Artificial Neural Networks For Determination Of Potential Drug In Herbal Medicine	Nor Ashidi Mat Isa	Universiti Sains Malaysia	ICT
103	An Intelligent Genetic Algorithms' Parameters Adaptation For Rna Folding Problem	Ahamad Tajudin bin Khader	Universiti Sains Malaysia	ICT
104	The Development Of Multimedia Ubiquitous M-Learning System	Sazilah Salam	Universiti Teknikal Malaysia	ICT
105	Maintenance Decision Support System For Small And Medium Industries Using Decision Making Models	Burhanuddin bin Mohd Aboobaider	Universiti Teknikal Malaysia	ICT
106	Design And Development Of Site-Specific Throughput Prediction Models For Wireless Mesh Networks	Mohamad Kadim bin Suaidi	Universiti Teknikal Malaysia	ICT
107	Development Of Intelligent Tool For Poultry Disease Detection From Chaotic Data Using Machine Learning Techniques	Mohd Noor bin Md Sap	Universiti Teknologi Malaysia	ICT
108	An Intelligent Agent Based Spoken Dialogue System For Content Based Image Retrieval	Ali Selamat	Universiti Teknologi Malaysia	ICT
109	Development Of Microstrip Lines With Special Deformation	Wan Khairuddin bin Wan Ali	Universiti Teknologi Malaysia	ICT
110	Development Of Knowledge Sharing Framework For Government To Society	Azizah Abdul Rahman	Universiti Teknologi Malaysia	ICT

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111	Information Architecture For Malaysian Natural Product Repository	Azizah Abdul Rahman	Universiti Teknologi Malaysia	ICT
112	Turtle Excluder Device (Ted) Using Sound Technique	Jafri bin Din	Universiti Teknologi Malaysia	ICT
113	Intelligent Multi-Agent Robotic System	Shamsudin bin Hj. Mohd Amin	Universiti Teknologi Malaysia	ICT
114	Remote Protein Homology Detection Using Artificial Intelligence Algorithm	Safie bin Mat Yatim	Universiti Teknologi Malaysia	ICT
115	Tools For Component-Oriented Programming Of Embedded Real-Time Software	Dayang Norhayati Abang Jawawi	Universiti Teknologi Malaysia	ICT
116	Development Of Software Tool For Performance Evaluation Of Mobile Ad Hoc Networks Using Taguchi Method	Muhammad Hisyam Lee	Universiti Teknologi Malaysia	ICT
117	Node Protection Against Malicious Accusation Attack In Mobile Ad-Hoc Network(MANET)	Md Asri bin Ngadi	Universiti Teknologi Malaysia	ICT
118	Visualizing Orientation Of Ion Dynamics In Bioinformatics Datasets	Johan bin Mohamad Sharif	Universiti Teknologi Malaysia	ICT
119	Development Of Multimodal Interaction For Web Based Digital Photo Retrieval: Toward Improving Users' Search Performance	Nor Azman Ismail	Universiti Teknologi Malaysia	ICT
120	Brain Mapping Using Topological Graphs Obtained By Surface Segementation	Daut bin Daman	Universiti Teknologi Malaysia	ICT
121	The Development Of Level Of Detail (LOD) Technique In 3D Computer Graphics Application	Nor Anita Fairos binti Ismail	Universiti Teknologi Malaysia	ICT

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122	Development Of Visualization Tool For An Old Fortran Based Engineering Software Program	Nadzari Shaari	Universiti Teknologi Malaysia	ICT
123	The Development Of An Intelligent Data Retrieval Optimization Technique For Temporal Data In Hydrological Information Systems	zahabidin bin jupri	Universiti Teknologi Malaysia	ICT
124	Computer Aided Diagnostic System For Major Lung Diseases	Norliza Mohd Noor	Universiti Teknologi Malaysia	ICT
125	Developing A Framework For 3D Cadastre System	Muhammad Imzan Bin Hassan	Universiti Teknologi Malaysia	ICT
126	Design And Development Of 3D Navigation System For 3D GIS	IVIN AMRI BIN MUSLIMAN	Universiti Teknologi Malaysia	ICT
127	Developing 3D Data Management For 3D Spatial Objects In Large Area	Alias bin Abdul Rahman	Universiti Teknologi Malaysia	ICT
128	Developing 3d Navigation System For Virtual Environment Based On 3d Game Engine	Alias bin Abdul Rahman	Universiti Teknologi Malaysia	ICT
129	Developing 3D Network Analysis For Disaster Management	IVIN AMRI BIN MUSLIMAN	Universiti Teknologi Malaysia	ICT
130	The Integration Of Textual And Image Analysis For Intelligent Web Content Filtering Technique	Mohd. Aizaini bin Maarof	Universiti Teknologi Malaysia	ICT
131	The Development Of A Tool Using Bayesian Network Technique For Constructing Gene Network From Microarray Gene Expression Data	Safaai bin Deris	Universiti Teknologi Malaysia	ICT
132	Home-Based Healthcare Monitoring Over Wireless Biomedical Sensor Network	ROZEHA BINTI A RASHID	Universiti Teknologi Malaysia	ICT

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133	Development Of A Metamodeling Tool For Optimisation Of Control Systems.	Shahrums Shah Abdullah	Universiti Teknologi Malaysia	ICT
134	The Development Of Ontology And Problem-Solving Method For Dynamic Scheduling In Agile Manufacturing	Safaai bin Deris	Universiti Teknologi Malaysia	ICT
135	The Development Of Mobile Visualize System For Medical Dataset Using Grid-Enabled Visualization Pipeline	Muhammad Shafie bin Abd Latiff	Universiti Teknologi Malaysia	ICT
136	Threat Identification Tools (TIT) For Medical Online System: A Combination Approach; Genetic Algorithm, Cox Regression And Bayesian Statistics	Rabiah Ahmad	Universiti Teknologi Malaysia	ICT
137	The Development Of Biodiversity Database System Using Spatio-Temporal Object-Relational Data Techniques	Daut bin Daman	Universiti Teknologi Malaysia	ICT
138	Development Of A Smart Mobile Telemedicine In Wireless Mesh Network	Eko Supriyanto	Universiti Teknologi Malaysia	ICT
139	Developing Brain-Computer Interface (BCI) Using Scalp Electrical Signal (EEG)	Norlaili binti Mat Safri	Universiti Teknologi Malaysia	ICT
140	Development Of Underground Wireless Sensor Network	Norsheila binti Faisal	Universiti Teknologi Malaysia	ICT
141	Real-Time Secure Wireless Sensor Network	Norsheila binti Faisal	Universiti Teknologi Malaysia	ICT
142	Optical Free Space Feedforward Linearisation System	SEVIA MAHDALIZA IDRUS	Universiti Teknologi Malaysia	ICT
143	Development Of Digital Camera Calibration Software Using Bundle Adjustment Method	Assoc. Prof. Dr. Hj. Anuar Bin Hj. Ahmad	Universiti Teknologi Malaysia	ICT

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144	Development Of Brainwaves EEG Recognition System For Speech Disability Person	Rubita Sudirman	Universiti Teknologi Malaysia	ICT
145	To Develop A Malay Speech Synthesis System For Standard Platform Compatibility And Speech Compression	Sheikh Hussain bin Shaikh Salleh	Universiti Teknologi Malaysia	ICT
146	Development Of Telemedicine Application For Online Diagnosis Of Cardiac Diseases.	Zuraimi Bin Yahya	Universiti Teknologi Malaysia	ICT
147	High Performance Heat Transfer Visualization Involving Phase Change Simulation For Rubber Manufacturing Industry	Norma binti Alias	Universiti Teknologi Malaysia	ICT
148	The Development Of A Hierarchical Heterogeneous Bounding Volumes Tool For Detecting Object Interference In Urban Simulation	Abdullah bin Bade	Universiti Teknologi Malaysia	ICT
149	Intelligent Multimodal Software Agents For Visually Impaired Users On Web Content Navigation System	Ali Selamat	Universiti Teknologi Malaysia	ICT
150	A Biologically Inspired Computational 3d Articulated Figure Animation	Norhaida binti Mohd Suaib	Universiti Teknologi Malaysia	ICT
151	Early Warning Detection of the Risk of Rupture of the Abdominal Aortic Aneurysm using the Fluid-Structure Interaction Technique.	Kahar bin Osman	Universiti Teknologi Malaysia	ICT
152	Development of Integrated Traffic Management for Enclosed Area Security System Using Hybrid Networking Technology	Kamalrulnizam bin Abu Bakar	Universiti Teknologi Malaysia	ICT
153	Generation Of Semantic Document Model For Quran Using Ontology Domain	Mohd Yunus Mohd Yusoff	Universiti Teknologi MARA	ICT
154	Trait-Based Face Expression Modeling	Fakhrul Hazman Yusoff	Universiti Teknologi MARA	ICT

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155	Developing and Using a Computer-Adaptive Assessment Software for Learning Secondary School Mathematics	PAUL LAU NGEE KIONG	Universiti Teknologi MARA	ICT
156	Measuring Web Service Quality of Malaysian Companies	Voon Boo Ho	Universiti Teknologi MARA	ICT
157	Intelligent Distributed Video Surveillance Through Behavioral Recognition	YAP Vooi Voon	Universiti Teknologi PETRONAS	ICT
158	Development Of Parallel Genetic Algorithm (GA) Routing On Message Passing Interface (MPI) Cluster	Salman Yussof	Universiti Tenaga Nasional	ICT
159	Development Of Signal Processing Tools For Determining The Quality Of Agriculture Produce.	Zainul Abidin Bin Md Sharrif	Universiti Tenaga Nasional	ICT
160	Intelligent Energy Management In Wireless Sensor Network	Sharifah Azwa Shaaya	Universiti Tenaga Nasional	ICT
161	An Intelligent System To Support The Implementation Of Outcomes Based Education For Tertiary Engineering Education In Malaysia	Miszaina Osman	Universiti Tenaga Nasional	ICT
162	A New Authentication Method For Voice Over Ip Session Initiation Protocol In Internet Protocol Version 6	Hazlinda Hakimie	Universiti Tenaga Nasional	ICT
163	Implementation Of A Multi Platform Wireless Mobile Ad Hoc Network (Manet) Experimental Testbed For A Security Enhanced Ad Hoc On-Demand Distance Vector (Aodv) Routing Protocol	Azimah Abdul Ghapar	Universiti Tenaga Nasional	ICT
164	Wideband Code Division Multiple Access (Wcdma) Teletraffic Improvement By Distributed Artificial Intelligent Processors	Tiong Sieh Kiong	Universiti Tenaga Nasional	ICT
165	Multi Objective Optimization Routing Algorithm For Wireless Sensor Networks	Mohd Suhaimi b. Sauti	Universiti Tenaga Nasional	ICT

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166	Study On The Security Breaches Of Unincumbered Cryptographic Methods Through Observation Of Resource Usage	Uwe Dippel	Universiti Tenaga Nasional	ICT
167	To Design And Develop A Ubiquitous Object-Oriented Database Kernel Using P2p Grid-Based Storage Sharing Techniques And Auto-Synch Access Methods (For A Distributed Network Using Ad-Hoc Networking Provided By Wireless Pdas And Notebooks In Remote Locations)	Lim Tong Ming	Universiti Tunku Abdul Rahman	ICT
168	Computational Functional Genomic Of Palindrome-Like Rna : A Study On Genome-Wide Palindromes Distribution And Its Application On Organism Complexity Discrimination	Goh Yong Kheng	Universiti Tunku Abdul Rahman	ICT
169	Development And Improvement Of Metamorphic High Electron Mobility Transistor (Mhemt) For 60 Ghz Infrastructure/Ad-Hoc Wireless Network Switching Communication System	Lim Soo King	Universiti Tunku Abdul Rahman	ICT
170	Production Of Synthetic Seeds Of Acacia Hybrid And Endospermum Diadenum For Conservation Of Elite Planting Material.	Nor Asmah Binti Hassan	Forest Research Institute of Malaysia	BIOTECHNOLOGY
171	Evaluation And Utilization Of Syzygium Species As Natural Preservative For Nutraceutical And/Or Cosmeceutical Products	Ong Boo Kean	Forest Research Institute of Malaysia	BIOTECHNOLOGY
172	Utilisation Of Phytoextracts And Essential Oils From Malaysian Zingiberaceae And Annonaceae For The Development Of Cosmeceutical Products.	Mailina binti Jamil	Forest Research Institute of Malaysia	BIOTECHNOLOGY
173	Development Of Chemical And Genetic Fingerprints Of Phyllagathis Rotundifolia And P. Griffithii For Rapid Identification And Discrimination Of Raw And Processed Materials And Their Finished Products	Ling Sui Kiong	Forest Research Institute of Malaysia	BIOTECHNOLOGY
174	Investigation Of Cry (Insect Resistant) Protein Expression In Transformed Teak Clone	Norwati binti Adnan	Forest Research Institute of Malaysia	BIOTECHNOLOGY
175	In vitro production of Acacia hybrid polyploids	Yap Jing Wei	Forest Research Institute of Malaysia	BIOTECHNOLOGY
176	Humanisation of Murine Monoclonal Anti-CEA (Anti-Carcinoembryonic Antigen) Antibody for In Vivo Colorectal Cancer Diagnosis	Zulkeflie Bin Zamrod	Inno Biologics Sdn. Bhd.	BIOTECHNOLOGY



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177	Analysis of Molecular Mechanism Underlying Cytokine Receptor Class II Genes Polymorphism and Persistent HBV Infection	Nor Azizah Mohd Taib	Inno Biologics Sdn. Bhd.	BIOTECHNOLOGY
178	Development Of In Vitro Specific Assays For Screening Of Drug-Herb Pharmacokinetic Interactions For Commonly Used Malaysian Herbs.	Ong Chin Eng	International Medical University	BIOTECHNOLOGY
179	Development Of Human Dendritic-Cell-Based Myeloid Leukaemia Vaccine	Cheong Soon Keng	International Medical University	BIOTECHNOLOGY
180	Production of monoclonal antibodies (Mab) and recombinant allergens for the detection and diagnosis of house dust mite (HDM) allergens and allergies.	Wong Shew Fung	International Medical University	BIOTECHNOLOGY
181	Isolating gene(s) conferring resistance to infection by <i>C. cassicola</i> in <i>Hevea brasiliensis</i>	Safiah Atan	Lembaga Getah Malaysia	BIOTECHNOLOGY
182	Genetic engineering of cocoa pod borer resistant plant : Isolation and expression of pod specific promoter	Tan Chia Lock	Lembaga Koko Malaysia	BIOTECHNOLOGY
183	Cloning of a MADS regulatory gene in cocoa seeds.	ROSLINA MOHD SHAH	Lembaga Koko Malaysia	BIOTECHNOLOGY
184	Screening, purification and identification of antimicrobial compounds from cocoa tissues	Zainal bin Baharum	Lembaga Koko Malaysia	BIOTECHNOLOGY
185	Structural And Conformational Studies Of Edible Birds' Nest Proteins	Lee Kong Hung	Malaysia University of Science and Technology	BIOTECHNOLOGY
186	Development Of Rapid Detection Kit For The Determination Of Mercury In Herbal Medicine Products.	NOOR AZLINA BINTI MASDOR	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY
187	Enhancing Production Of Halal Transglutaminase From <i>Physarum Polycephalum</i> Through Recombinant Technology	Azlina binti Mohd Danial	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY

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188	Utilization of effective microbes for the development of antioxidant-rich products from dragon fruit ( <i>Hylocereus polyrhizus</i> )	Hazniza binti Hj. Adnan	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY
189	Development of beta-glucan production technology from indigenous mushroom	Aminuddin bin Hussin	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY
190	Development Of A DNA-Based Vaccine On A Plasmid Encoding A MC3 Gene: Towards A Novel Potent Vaccine Candidate Against Toxoplasmosis	Karim Alwan Mohamed Al-Jashamy	Management and Science University	BIOTECHNOLOGY
191	11- $\beta$ Hydroxysteroid Dehydrogenase In Diabetes And Metabolic Syndrome: Modifications Of Its Action On Peroxisome-Proliferator Activated Receptors In Different Tissues Of Rats.	Ton So Ha	Monash University Sunway Campus Malaysia	BIOTECHNOLOGY
192	Quest For New Phantoms: Spatial Dimensions Of Human Lungs	sivalal	Monash University Sunway Campus Malaysia	BIOTECHNOLOGY
193	Isolation And Characterization Of Bioactive Chemical Compounds Of Several Species Of <i>Etligeria</i> (Zingiberaceae) For The Development Of Nutraceutical And Cosmeceutical Products	Lim Yau Yan	Monash University Sunway Campus Malaysia	BIOTECHNOLOGY
194	Optimization of Brine Fermentation under Malaysian Climate	Wu Ta Yeong	Monash University Sunway Campus Malaysia	BIOTECHNOLOGY
195	Computational fluid dynamics modelling of the shear stresses and oxygen transfer in a spinner-flask bioreactor for tissue engineering.	Tan Boon Thong	Monash University Sunway Campus Malaysia	BIOTECHNOLOGY
196	Integrated Analysis of Genetic Aberrations and Identification of Target Genes in Primary Breast Carcinomas	Rakesh Naidu a/l Kuppusamy Naidu	Monash University Sunway Campus Malaysia	BIOTECHNOLOGY
197	Elucidation of Physiological Function - identification of in vivo substrate for a Newly Identified Serine/Threonine/Tyrosine Protein Kinase	Ram Rajasekharan	Monash University Sunway Campus Malaysia	BIOTECHNOLOGY
198	Isolation of anti-snake venom tannins from <i>Mimosa pudica</i> L. and investigations of their efficacy and safety	Jaya Vejayan	Monash University Sunway Campus Malaysia	BIOTECHNOLOGY

No.	Project Title	Project Leader	Institution	Research Cluster
199	Computer Aided Medical Image Analysis For Intra-Operative Low-Field Mri In Neurosurgery	R.Logeswaran N.Rajasvaran	Multimedia University	BIOTECHNOLOGY
200	Bioactive Compound From Fermented Rice Products Using Saccharomycopsis Fibuligera For Skin Care Applications	Hamidah binti Sidek	SIRIM Berhad	BIOTECHNOLOGY
201	Production of Citric Acid from Oil Palm Empty Fruit Bunches by Solid State Bioconversion using Local Aspergillus niger	Md. Zahangir Alam	Universiti Islam Antarabangsa Malaysia	BIOTECHNOLOGY
202	Fine Chemicals And Novel Derivatives Of Chitin From Crustacean Shells	Md. Pauzi Abdullah	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
203	Catalytic Biochemical Production Of Biogas And Chemicals From Agro Wastes	Rakmi Abd Rahman	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
204	Pulp Molecular And Gsf Enzymological Profiles Of Straight-Wire Appliances During Orthodontics Treatment	Rohaya bt Megat Abdul Wahab	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
205	Development Of A Domestic Wastewater Treatment System With A Reed Bed For Environment Sensitive Areas	Siti Rozaimah Sheikh Abdullah	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
206	Effects Of Pterostilbenes, A Stilbene Derivative, On Drug-Metabolizing Enzyme (Dme) Activities In Hepg2 Hepatoma Cancer Cell Lines: Potential In Drug Metabolism And Chemoprevention	Ahmad Rohi Ghazali	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
207	Genetic And Biochemical Variation Of Glucose-6-Phosphate Dehydrogenase (G6PD) Status Among Negritos (Orang Asli) Population In Peninsular Malaysia.	Endom binti Ismail	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
208	Simultaneous Polishing Unit Of Ammonia And Manganese Using Aerated Biological Filter In Drinking Water Treatment System	Siti Rozaimah Sheikh Abdullah	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
209	Identification Of New Prognostic And Predictive Markers Of Lung Cancer	Roslan bin Harun	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY

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210	Expression And Characterization Of Recombinant Chitin Deacetylase (CDA) From Colletotrichum Gloeosporioides	Amir Bin Rabu	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
211	Characterisation Of Lignin Genes And Their Expression In Acacia Mangium X Acacia Auriculiformis Hybrid	R Wickneswari a/p V Ratnam	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
212	Characterization And Expression Of Flowering Genes In Calamus Palustris	Choong Chee Yen	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
213	Construction Of Multifunctional Oxygenase Gene Cassette For Aromatic Hydrocarbons Degradation	Ainon Hamzah	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
214	Expression Of Cellobiohydrolase And Endoglucanase Genes From Aspergillus Terreus SUK-1 In Pichia Pastoris	Nik Marzuki bin Sidik	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
215	Ipomea Reptans (Water Spinach) For Bioremediation Application: The Isolation And Characterization Of Metallothionein (MT) Gene	Khairiah binti Jusoh	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
216	Effect Of Phyllagathis Rotundifolia Jack Extract On Endometriosis	Azimahtol Hawariah Lope Pihie	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
217	Regeneration Of Cochlear Hair Cells For The Future Treatment Of Deafness	Lokman bin Saim	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
218	Reconstruction Of External Ear Via Tissue Engineering Technology Utilizing Co-Polyester Materials In Sheep Model For Future Clinical Application	Goh Bee See	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
219	Reconstruction Of Tissue-Engineered Human Neural Tube For Future Clinical Application In Nerve Injury.	Amaramalar Selvi Naicker	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
220	Peripheral Nerve Regeneration Via Tissue Engineering Technique For The Treatment Of Paralysis.	Amaramalar Selvi Naicker	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY

No.	Project Title	Project Leader	Institution	Research Cluster
221	The Modulating Effects Of Piper Sarmentosum (Kadok) On Oxidative Stress And Inflammatory Markers In Atherosclerosis.	Zaiton Zakaria	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
222	Identification Of Potential Oncogenes For Diagnosis And Prognostication Of Prostate Cancer	Siti Aishah Md Ali	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
223	The Formation Of Tissue Engineered Conjunctiva For The Treatment Of Pterygium	Faridah Hanom Bt Annuar	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
224	Kajian Mengenai Jangkitan Enterobacter sakazakii Yang Berkaitan Dengan Kontaminasi Intrinsik Produk Susu Tepung Formula Bayi, Sampel Air Serta Sampel Najis Bayi dan Neonat Dari Hospital	Norrakiah Abdullah Sani	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
225	Direct Power Generation From Wastewater Using Microbial Fuel Cell	Shahrom binti Md Zain	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
226	Regeneration of alveolar bone via tissue engineering technique to facilitate dental implant placement in atrophic alveolar bone - an animal study.	Roszalina Ramli	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
227	Formulation and characterization of siRNA-chitosan nanoparticles conjugated with cell penetrating peptides	Haliza Katas	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
228	Prismatomeris glabra (Rubiaceae) effects on behaviour and brain neurotransmitter levels in animals.	Norazrina Azmi	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
229	Projek Bio-Chip :Development Of Molecular Diagnostic Kit For Genetic Diseases Expressed In Human Blood	Rosmawati Bt Mohamed	Universiti Malaya	BIOTECHNOLOGY
230	Metal Analysis And Antiplasmodial Assay Of Three Phyllanthus Species Found In Malaysia	Zaharah binti Aiyub	Universiti Malaya	BIOTECHNOLOGY
231	Synthetic Seeds From Somatic Embryos Of Economically Important Ornamental Crops	Rosna Mat Taha	Universiti Malaya	BIOTECHNOLOGY

No.	Project Title	Project Leader	Institution	Research Cluster
232	Determination Of The Genetic Mutations In Muscular Dystrophy And Mitochondrial Encephalomyopathy In The Multi-Ethnic Malaysian Population And Their Correlation With Clinical Features.	Goh Khean Jin	Universiti Malaya	BIOTECHNOLOGY
233	Sepsis: The Role Of Nfkb In The Aberrant Triggering Of The Endothelium	Gracie Ong Siok Yan	Universiti Malaya	BIOTECHNOLOGY
234	Development Of Medical Bio-Impedance Instrumentation.	Mahmoud Moghavvemi	Universiti Malaya	BIOTECHNOLOGY
235	The Proteome And Characterisation Of Drosophila Melanogaster Glutathione S-Transferases (GSTs)	Zazali Alias	Universiti Malaya	BIOTECHNOLOGY
236	Significance Of Oxidative Stress In Preeclampsia Patients	Siti Zawiah Omar	Universiti Malaya	BIOTECHNOLOGY
237	Application Of Proteomic Techniques For Bioactivity Evaluation And Protein Profiling Of Ficus Deltoidea	Norhaniza Aminudin	Universiti Malaya	BIOTECHNOLOGY
238	Biological Activities Of Essential Oils And Extract Of Three Wild Alpinia Species	Halijah binti Ibrahim	Universiti Malaya	BIOTECHNOLOGY
239	INSULIN RECEPTOR SUBSTRATE: Role In Insulin Signalling In Obesity And Type 2 Diabetes	Sekaran Muniandy	Universiti Malaya	BIOTECHNOLOGY
240	Assessment And Analysis Of The Genomic Diversity In The HV3, DAT-1, CEL, DYS287, Region V, D7S820, D13S317 And D16539 Markers Of East Malaysian Population Samples.	Chua Kek Heng	Universiti Malaya	BIOTECHNOLOGY
241	Expression Of Anti-Toxoplasmosis Scfv Antibodies In Plant Cells For Verterinary Diagnostic And Therapeutic Use	Rofina Yasmin binti Othman	Universiti Malaya	BIOTECHNOLOGY
242	Bio-Diesel Fuel Production From Used Cooking Oil And By-Products Of Palm Oil For Recovering Natural Diesel	Amru Nasrulhaq Boyce	Universiti Malaya	BIOTECHNOLOGY

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243	Laccase Based Biosensor For Detection Of Chlorinated Phenols	Mohamad Suffian bin Mohamad Annuar	Universiti Malaya	BIOTECHNOLOGY
244	Determination Of Factors That Contribute To Protection To Dengue And The Relationship Of Pre-Existing Neutralizing Antibody Levels To Disease Severity	FONG MUN YIK	Universiti Malaya	BIOTECHNOLOGY
245	To Investigate The Effects Of Extracts Of Hericium Erinaceus On Neurite Outgrowth Stimulation And Regeneration Of Nerve Tissues	Vikineswary Sabaratnam	Universiti Malaya	BIOTECHNOLOGY
246	Antiulcer And Gastroprotective Effects Of Some Synthesized Heterogenous Derivatives	Mahmood Ameen Abdulla	Universiti Malaya	BIOTECHNOLOGY
247	Development Of Implant Materials Through Embedment Of Carbonated Apatite On Titanium Alloy Using Superplastic Forming Method	Iswadi Jauhari	Universiti Malaya	BIOTECHNOLOGY
248	Studies On The Modification And Biocompatibility Of Bacterial Polyhydroxyalkanoates (PHA)	Irene Tan Kit Ping	Universiti Malaya	BIOTECHNOLOGY
249	Comparative Studies On Genomic Fingerprinting Of Pasteurella Multocida Serotypes A, B, D And Untypeable (U) Strains.	Noni bt Ajam	Universiti Malaya	BIOTECHNOLOGY
250	Mapping Of Sequences Within The Viral 3d Rna Polymerase And 3'-Untranslated Region Involved In The Virulence Of Enterovirus 71 And Coxsackievirus A16	Chan Yoke Fun	Universiti Malaya	BIOTECHNOLOGY
251	Isolation And Characterization Of Angiotensin Converting Enzyme (ACE) Inhibitory Compounds Derived From Malaysian Medicinal Plants.	Jamaludin Bin Mohamad	Universiti Malaya	BIOTECHNOLOGY
252	Nosocomial Pathogens In The ICU : Strategies In Overcoming Infection And Colonization.	Marzida binti Mansor	Universiti Malaya	BIOTECHNOLOGY
253	Identification Of Novel Antibiotic Resistance Targets And Development Of Antimicrobial Peptides To Streptococcus Pneumoniae	Mohd Yasim bin Md Yusof	Universiti Malaya	BIOTECHNOLOGY

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254	Development Of Small Interfering Rnas (Sirna) As Novel Antiviral Therapeutics For The Attenuation Of Dengue Virus Infections And For The Investigation Of Putative Viral Receptors	Shamala Devi K.C. Sekaran	Universiti Malaya	BIOTECHNOLOGY
255	Molecular Analysis Of Thyroid-Related Genes In Congenital Hypothyroidism	Sarni Mat Junit	Universiti Malaya	BIOTECHNOLOGY
256	Molecular Approaches For Characterization And Conservation Of Genetic Resources In Mangoes	Chandran Somasundram	Universiti Malaya	BIOTECHNOLOGY
257	Spent Grain As Substrate For Enzyme Production Via Solid-State Fermentation	P. Agamuthu	Universiti Malaya	BIOTECHNOLOGY
258	Antimalarial Alkaloids From Phoebe Grandis And Alseodaphne Corneri	Mat Ropi Bin Mukhtar	Universiti Malaya	BIOTECHNOLOGY
259	Phytoestrogen Effect On The Animal Reproduction System.	Jamaludin Bin Mohamad	Universiti Malaya	BIOTECHNOLOGY
260	Genotypic And Phenotypic Characterization Of Novel Human Immunodeficiency Virus Type 1 (Hiv-1) Circulating Recombinant Form (Crf33_01b) In Malaysia	Adeeba binti Kamarulzaman	Universiti Malaya	BIOTECHNOLOGY
261	Lectin based proteomic studies of urinary proteins from patients with cancer diseases	Adawiyah Suriza binti Shuib	Universiti Malaya	BIOTECHNOLOGY
262	Maxillary Arch Dimensions And Stock Impression Tray Design	Zakiah bt. Mohd Isa	Universiti Malaya	BIOTECHNOLOGY
263	Genetic aberrations in oral cancer and its relationship to DNA ploidy and selected clinicopathologic parameters - a molecular cytogenetic analysis	Zainal Ariff bin Abdul Rahman	Universiti Malaya	BIOTECHNOLOGY
264	The manufacture of a (prototype and final) low profile, lightweight external fixator for fixed deformities of the fingers.	Tunku Sara binti Tunku Ahmad Yahaya	Universiti Malaya	BIOTECHNOLOGY



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265	Study of Oligonucleotide Combination and Condition Optimisation for Development of A Probe-based Thalassaemia Detection System for The Malaysian Population	Chua Kek Heng	Universiti Malaya	BIOTECHNOLOGY
266	Antihypertensive activities of seaweeds from Malaysian coastal waters in the spontaneously hypertensive rats and characterisation of the antihypertensive principles from potential species	Josephine Mok Shiuoh Lian	Universiti Malaya	BIOTECHNOLOGY
267	To Evaluate Plasma 8-Isoprostane Levels as a Marker of Oxidative Stress in Patients with Primary Hypercholesterolaemia	T MALATHI A/P THEVARAJAH	Universiti Malaya	BIOTECHNOLOGY
268	Serial identification of unbalanced genomic aberrations by array CGH in patients with chronic myeloid leukemia on imatinib treatment: Correlation with corresponding gene expression, miRNA and treatment response	Veera Sekaran Nadarajan	Universiti Malaya	BIOTECHNOLOGY
269	Process Design Study: Bioadsorption Medium Development	Khairul Farihan Bt Kasim	Universiti Malaysia Perlis	BIOTECHNOLOGY
270	Development Of Dense Hydroxyapatite From Natural Bone.	Sri Asliza Binti Md Amin	Universiti Malaysia Perlis	BIOTECHNOLOGY
271	Screening Of Ultraviolet Radiation Protection Of Bioactive Compounds From Selected Plants (Pteridophyte)	Khairul Farihan Bt Kasim	Universiti Malaysia Perlis	BIOTECHNOLOGY
272	Production Of Biofuel From Starch-Based Compound Via Green Technology	Ku Syahidah Ku Ismail	Universiti Malaysia Perlis	BIOTECHNOLOGY
273	Parametric Studies On Solid-State Fermentation Of Palm Kernel Cake	Chu Chi Ming	Universiti Malaysia Sabah	BIOTECHNOLOGY
274	Study On The Potential Of Antimicrobial Compounds From Banana/Plantain By Products (Leaves And Inflorescence) Against Foodborne Pathogens	Chye Fook Yee	Universiti Malaysia Sabah	BIOTECHNOLOGY
275	Gene expression in learning and memory	Perumal Ramasamy	Universiti Malaysia Sabah	BIOTECHNOLOGY

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276	Production of precision k-carrageenan microcapsule by co-flowing microfluidic system	Chan Eng Seng	Universiti Malaysia Sabah	BIOTECHNOLOGY
277	Development of Novel Persistent Tuberculosis Inhibitors Targeting Isocitrate Lyase and Malate Synthase in Glyoxylate Shunt of Mycobacterium sp from Potential Actinomycete and Plant Extracts	How Siew Eng	Universiti Malaysia Sabah	BIOTECHNOLOGY
278	Potential Antimicrobial Properties from Oil Palm Root against Ganoderma boninense	Chong Khim Phin	Universiti Malaysia Sabah	BIOTECHNOLOGY
279	Screening of Differentially Expressed Gene(s) and Low Penetrance Cancer Susceptibility Genes in Colorectal Cancer for Biomarker Development	Lee Ping Chin	Universiti Malaysia Sabah	BIOTECHNOLOGY
280	Antioxidant and anticancer properties of Sabah tea waste and its potential as food supplement	Nor Qhairul Izzreen binti Mohd Noor	Universiti Malaysia Sabah	BIOTECHNOLOGY
281	Development of potential microbial photosensitisers in the application of Photodynamic Therapy (PDT) for the treatment of cancer and other diseases	Dr. Wong Nyet Kui	Universiti Malaysia Sabah	BIOTECHNOLOGY
282	Isolation And Characterisation Of Adh Gene And Its Promoter Region In Sago Palm	Hairul Azman @ Amir Hamzah Bin Roslan	Universiti Malaysia Sarawak	BIOTECHNOLOGY
283	Stress-Induced Apoptosis: Its Relation to Chromosome Rearrangements in Cancer	Sim Sai Peng @ Sim Sai Ping @ Samirah Abdullah	Universiti Malaysia Sarawak	BIOTECHNOLOGY
284	The assessment of minimal residual disease (MRD) in acute leukaemias after completion of induction chemotherapy by multiparameter flow cytometry	Lela binti Suut	Universiti Malaysia Sarawak	BIOTECHNOLOGY
285	Development of a point-of-care test for Japanese encephalitis	Mary Jane Cardosa	Universiti Malaysia Sarawak	BIOTECHNOLOGY
286	Development of a rapid diagnostic test for EV71.	Mary Jane Cardosa	Universiti Malaysia Sarawak	BIOTECHNOLOGY

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287	Identification and antiviral activities of secondary metabolites from sweet lemon grass, <i>Cymbopogon nardus</i> (L) Rendle, inhibiting herpes simplex and measles viruses	Ismail Bin Ahmad	Universiti Malaysia Sarawak	BIOTECHNOLOGY
288	Heavy Metal Detoxification In Marine Microalgae	Hing Lee Siang	Universiti Malaysia Terengganu	BIOTECHNOLOGY
289	Synthesis And Structure-Activity Relationships Study Of Novel Amino Acid - Thiourea Derivatives And Metal Complexes For The Development Of New Inorganic Pharmaceuticals Area As Potential Anti-Cancer Drugs	Mohd Sukeri bin Mohd Yusof	Universiti Malaysia Terengganu	BIOTECHNOLOGY
290	Production Of Industrial Enzymes By Marine Microbes	MARIAM TAIB	Universiti Malaysia Terengganu	BIOTECHNOLOGY
291	Development Of Natural Antimicrobials From Malaysia Edible Plants For Treatment Of Bacterial Diseases In Freshwater Food Fishes	Najiah binti Musa @ Zakaria	Universiti Malaysia Terengganu	BIOTECHNOLOGY
292	Biology, Captive Breeding And Conservation Of The Malayan Sun Bear ( <i>Helarctos malayanus</i> )	Abdul Rani Bahaman	Universiti Putra Malaysia	BIOTECHNOLOGY
293	Media Formulation And Optimisation Of Culture Conditions For Bacteriocin Production By Locally Isolated Lactic Acid Bacteria	Foo Hooi Ling	Universiti Putra Malaysia	BIOTECHNOLOGY
294	Identification Of Suitable Organs/Materials In The Intertidal Molluscs As Biomonitoring Organs/Tools For Heavy Metal Pollution In The Malaysian Intertidal Area	Yap Chee Kong	Universiti Putra Malaysia	BIOTECHNOLOGY
295	Gene Therapy For $\beta$ -Thalassemia: Development Of Vector With Persistent Transgene Expression For Haematopoietic Stem Cell Gene Transfer.	Syahrilnizam Abdullah	Universiti Putra Malaysia	BIOTECHNOLOGY
296	Optimisation And Scaling Up Of Enzymatic Synthesis Of Kojic Acid Esters Using Stirred Tank Reactor	ROSFARIZAN BINTI MOHAMAD	Universiti Putra Malaysia	BIOTECHNOLOGY
297	Production Of Organic Acids From Food Wastes And Polyhydroxyalkanoates (Pha) In Large Scale	Nor'Aini Abdul Rahman	Universiti Putra Malaysia	BIOTECHNOLOGY

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298	Bioreactor System For Production Of Thermophilic Xylanolytic Enzymes By Recombinant Escherichia Coli Dh5alpha	Arbakariya bin Ariff	Universiti Putra Malaysia	BIOTECHNOLOGY
299	Ligno-Cellulase Enzymes Production Of Fungi Based On Solid State Growth System	Mohd Noor bin Abd Wahab	Universiti Putra Malaysia	BIOTECHNOLOGY
300	Development of recombinant protective antigens as immunogenic markers against Candida tropicalis through proteome analysis	Chong Pei Pei	Universiti Putra Malaysia	BIOTECHNOLOGY
301	Development of an efficient cell culture process for the production of monoclonal antibody	Tey Beng Ti	Universiti Putra Malaysia	BIOTECHNOLOGY
302	Catalytic Promiscuity in Biosynthesis of Chiral Drugs and Chemical Synthesis	MOHD BASYARUDDIN BIN ABDUL RAHMAN	Universiti Putra Malaysia	BIOTECHNOLOGY
303	Development of multicellular tumor spheroids (MCTS) culture system to investigate the effect of activated Natural Killer (NK) Cells	Noorjahan Banu binti Mohamed Alitheen	Universiti Putra Malaysia	BIOTECHNOLOGY
304	Formulations Of Functional Cosmetics Using Local Plant Extracts In Nanoemulsion Systems	Dzulkefly Kuang Abdullah	Universiti Putra Malaysia	BIOTECHNOLOGY
305	Characterization of mammary gland stem cells	Norazidah binti Shafee	Universiti Putra Malaysia	BIOTECHNOLOGY
306	Development and utilization of immunological avidity test for rapid diagnosis of toxoplasmosis.	Wan Omar bin Abdullah	Universiti Putra Malaysia	BIOTECHNOLOGY
307	Efficient purification of immunoglobulin-G (anti-HBc-IgG antibody) for the epidemic screening and diagnosis of hepatitis B (HBV) infection	Ling Tau Chuan	Universiti Putra Malaysia	BIOTECHNOLOGY
308	Wire Mesh Collimator For A 3d Spect Camera	M. Iqbal Saripan	Universiti Putra Malaysia	BIOTECHNOLOGY

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309	Distribution Of Arginine Catabolic Mobile Element (ACME), Cytolytic And Superantigenic Toxins among Local Staphylococcus aureus Isolates	V. Neela	Universiti Putra Malaysia	BIOTECHNOLOGY
310	Adenovirus Immunocontraceptive Vaccine for Pest (Rattus rattus diardii) Control.	Sheikh Omar Abdul Rahman	Universiti Putra Malaysia	BIOTECHNOLOGY
311	Identification of Hb variants and development of an electronic database for thalassemia in Malaysia	Elizabeth George	Universiti Putra Malaysia	BIOTECHNOLOGY
312	In Search Of Novel Fish Reproductive Markers: Utilization Of Proteomics To Elucidate Oocyte Maturation Regulatory Mechanisms.	Chong Shu Chien @ Alexander	Universiti Sains Malaysia	BIOTECHNOLOGY
313	Glycomic Studies: Novel Therapeutic Delivery System Of Cyclodextrin	Shariza bt Abdul Razak	Universiti Sains Malaysia	BIOTECHNOLOGY
314	A Study On Human Papilloma Virus (HPV) In The EtiologyPathogenesis Of Oral Squamous Cell Carcinomas (OSCC) And Development Of PCR Based HPV Detection System	Rajan Saini	Universiti Sains Malaysia	BIOTECHNOLOGY
315	Isolation And Identification Of RNA Aptamers Specific For 50 Kda Outer Membrane Protein (OMP) Of Salmonella Typhi By Systematic Evolution Of Ligands By Exponential Enrichment (SELEX)	Hamid Fauzi	Universiti Sains Malaysia	BIOTECHNOLOGY
316	A Coupled Enzyme-Catalyzed Asymmetric Synthesis Of Drug Precursors Using A Novel Membrane Bioreactor For Biotransformation	Mohamad Hekarl Uzir	Universiti Sains Malaysia	BIOTECHNOLOGY
317	Investigations Of Uterus Cancer Through Medical Imaging	Mohd Zubir bin Mat Jafri	Universiti Sains Malaysia	BIOTECHNOLOGY
318	Waste Mangrove Bark From Charcoal Factory - A Potential Low-Cost Adsorbent For Heavy Metal Ions Removal From Wastewaters	Mohd.Jain Noordin Bin Mohd. Kassim	Universiti Sains Malaysia	BIOTECHNOLOGY
319	Development Of Bioactive Glass Ceramics Filled Polymethylmethacrylate (Pmma) Bone Cements	Mariatti binti Jaafar @ Mustapha	Universiti Sains Malaysia	BIOTECHNOLOGY

No.	Project Title	Project Leader	Institution	Research Cluster
320	Hydroxyapatite And Carbonate Apatite Synthesized By Mechanical Activation For Possible Use As Smart Biomaterials	RADZALI BIN OTHMAN	Universiti Sains Malaysia	BIOTECHNOLOGY
321	The Production Of Keratinolytic Enzymes From Indigenous Fungi And Its Application In The Development Of Animal Feed Supplement From Chicken Feathers	Darah Ibrahim	Universiti Sains Malaysia	BIOTECHNOLOGY
322	A Novel Microcantilever Method For Gene Expression And Genomic Analysis	Ishak Haji Abdul Azid	Universiti Sains Malaysia	BIOTECHNOLOGY
323	Identification Of Membrane Associated Protein Biomarkers For Infiltrating Ductal Carcinoma: Proteomics Approach.	Gam Lay Harn	Universiti Sains Malaysia	BIOTECHNOLOGY
324	Production And Characterization Of Biodegradable Terpolymer Poly(3-Hydroxybutyrate-Co-3-Hydroxyvalerate-Co-4-Hydroxybutyrate) From Locally Isolated Bacteria.	Amirul Al-Ashraf Abdullah	Universiti Sains Malaysia	BIOTECHNOLOGY
325	Effects of a synbiotic product on serum lipid profiles and morphology of red blood cells in human	Liong Min Tze	Universiti Sains Malaysia	BIOTECHNOLOGY
326	Modeling And Simulation Of A Biological Process For The Production Of Lactic Acid	Roslina binti Rashid	Universiti Teknologi Malaysia	BIOTECHNOLOGY
327	Application Of Biofilm Technology For The Treatment Of Styrene-Rich Wastewater	Zaharah binti Ibrahim	Universiti Teknologi Malaysia	BIOTECHNOLOGY
328	The Development Of Automata Learning And Stochastic Modeling For Biosequence Analysis	Zuraini binti Ali Shah	Universiti Teknologi Malaysia	BIOTECHNOLOGY
329	Phytochemicals With Cytotoxic Activity From Four Rare Malaysian Artocarpus Plants (Moraceae)	Shajarahtunnur Jamil	Universiti Teknologi Malaysia	BIOTECHNOLOGY
330	Bacteria As Rapid Sensors Of Biochemical Oxygen Demand (Bod) In River Water.	Shafinaz Shahir	Universiti Teknologi Malaysia	BIOTECHNOLOGY

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331	Process Intensification For The Recovery Of Self-Assembling Peptides Using An Integrated Microfiltration Unit	Lee Chew Tin	Universiti Teknologi Malaysia	BIOTECHNOLOGY
332	Development Of A Structural Bioinformatics Tool Using Intelligent Technique For Protein Secondary Structure Analysis	Mohd Shahir Shamsir Omar	Universiti Teknologi Malaysia	BIOTECHNOLOGY
333	Development Of Anaerobic Granules Containing New Specialised Dye Degrading Microbes For Raw Textile Dyeing Wastewater Treatment	Azmi bin Aris	Universiti Teknologi Malaysia	BIOTECHNOLOGY
334	Biodegradation Of Selected Azo Dyes By Bacterial Consortium Entrapped Onto Surfactant Modified Zeolites	Noor Aini bt. Abdul Rashid	Universiti Teknologi Malaysia	BIOTECHNOLOGY
335	Potential Of Tissue Cultured Melastoma Malabathricum L. For Production Of Secondary Products	Azman Abd Samad	Universiti Teknologi Malaysia	BIOTECHNOLOGY
336	Biomechanical Analyses And Design Optimisation Using The Bone Remodeling Potential (BRP) For Hip Joint Arthroplasty.	Nazri bin Kamsah	Universiti Teknologi Malaysia	BIOTECHNOLOGY
337	The Use Of Adenovirus In Gene Transfer To Pancreatic Tumour Cells	Salehuddin Hamdan	Universiti Teknologi Malaysia	BIOTECHNOLOGY
338	Enzymatic Reaction Of Betulinic Acid With Acid Chloride: Synthesis Of Anti-Cancer Compound	Yamin Bin Yasin	Universiti Teknologi MARA	BIOTECHNOLOGY
339	The Development Of Non-Destructive Testing Techniques For Transdermal Drug Delivery System Characterization	Mohd Nasir bin Taib	Universiti Teknologi MARA	BIOTECHNOLOGY
340	The Development Of Feather And Eggshell Composites As Potential New Cost Effective And Energy Efficient Material	Mohd Hanafiah bin Abidin	Universiti Teknologi MARA	BIOTECHNOLOGY
341	Assessment Of Local Endophytes As Producers Of Antimicrobial Substances.	Ernie Eileen Rizlan Ross	Universiti Teknologi MARA	BIOTECHNOLOGY

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342	Assessment Of Marine Microorganisms With Potentiality In Industrial Processes	Ernie Eileen Rizlan Ross	Universiti Teknologi MARA	BIOTECHNOLOGY
343	Bace Inhibitors From Endophytes As Potential Drug Against Neurodegeneration Of Alzheimer's Disease	Nur Suraya Adina Suratman	Universiti Teknologi MARA	BIOTECHNOLOGY
344	An Anticholinesterase Agent From Malaysia Lycopodiaceae	Choo Chee Yan	Universiti Teknologi MARA	BIOTECHNOLOGY
345	Cytotoxicity Effect Of Syzygium Aromaticum (Clove) Extract And Its Major Components To Oral Mucosal Tissues	Professor Dr Mohamed Ibrahim Abu Hassan	Universiti Teknologi MARA	BIOTECHNOLOGY
346	Novel Application Of Centella Asiatica Extract For Regeneration Of The Human Periodontal Ligament Fibroblasts	Professor Dr Mohamed Ibrahim Abu Hassan	Universiti Teknologi MARA	BIOTECHNOLOGY
347	An In-Process Robot Calibration Of Serial Link Manipulator Arm Based On A 3-D Machine Vision For Minimal Invasive Orthopedic Surgery Operation	muhammad azmi ayub	Universiti Teknologi MARA	BIOTECHNOLOGY
348	Heterologous Expression Of Phospholipase A2 Enzyme For Biopharmaceutical Industrial Application	Suhaidah binti Mohd Jofrry	Universiti Teknologi MARA	BIOTECHNOLOGY
349	New Self-Nano Emulsification Technology For Cosmeceutical Applications	Tommy Julianto bin Bustami Effendi	Universiti Teknologi MARA	BIOTECHNOLOGY
350	Probiotic Fermented Milk As A Dietary Antioxidant Source And Antiproliferative Agent	Kalavathy Ramasamy	Universiti Teknologi MARA	BIOTECHNOLOGY
351	Development Of A Palm-Oil Based Growth Medium For Microbial Production Of Xanthan Gum In A Stirred-Tank Bioreactor	MURTHY V.P.S. VELURI	Universiti Teknologi MARA	BIOTECHNOLOGY
352	Identification And Purification Of Specific Antigenic Protein Of Haemophilus Influenzae Type B	Zaini binti Mohd. Zain	Universiti Teknologi MARA	BIOTECHNOLOGY



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353	Anatomically-Corrected-Testbed (Act) For Anthropomorphic Multifingered Robotics Hand	Ahmed Jaffar	Universiti Teknologi MARA	BIOTECHNOLOGY
354	Development Of Rapid Mutational Screening And Characterisation Of Low Density Lipoprotein Receptor And Apolipoprotein B100 Gene Mutations In Patients With Familial Hypercholesterolaemia In Malaysia	Hapizah Mohd Nawawi	Universiti Teknologi MARA	BIOTECHNOLOGY
355	Antitumour Effect Of Synthetic Stilbenes Against Breast, Lung And Colon Cancer Cell Lines	IBTISAM ABDUL WAHAB	Universiti Teknologi MARA	BIOTECHNOLOGY
356	Cloning And Expression Of NMDA Receptor Subunit And Observation Of Its Up-Regulation Or Down-Regulation Effects Towards Different Types Of Drugs Of Abuse In A Cellular Model	Abu Bakar Abdul Majeed	Universiti Teknologi MARA	BIOTECHNOLOGY
357	Assessment of volumetric changes in alveolar ridge profile under and in opposition to implant-retained dentures	Rohana Ahmad	Universiti Teknologi MARA	BIOTECHNOLOGY
358	Tacrolimus Pharmacogenetics: the influence of genetic polymorphism of CYP3A5, MDR1 and Pregnane X receptor (PXR) in transplant patients	Mohd. Zaki bin Salleh	Universiti Teknologi MARA	BIOTECHNOLOGY
359	Genetic Polymorphism of drug metabolizing enzymes and estrogen receptor in Pharmacogenetics of Tamoxifen: implication for optimization of breast cancer treatment	Teh Lay Kek	Universiti Teknologi MARA	BIOTECHNOLOGY
360	Epstein-Barr virus (EBV) and its Association with Breast Cancer	Zuridah Hassan	Universiti Teknologi MARA	BIOTECHNOLOGY
361	An Investigation Of The Chemopreventive Mechanisms Of Maslinic Acid On Pma-Induced Tumourigenesis.	Lim Yang Mooi	Universiti Tunku Abdul Rahman	BIOTECHNOLOGY
362	Nucleolytic And Anticancer Properties Of Insulin-Mimetic Vanadium, Zinc And Cobalt Complexes	NG CHEW HEE	Universiti Tunku Abdul Rahman	BIOTECHNOLOGY
363	The effect of additives and enrichment materials in enhancing the viability and efficacy of formulated beneficial microbes	Adeline Ting Su Yien	Universiti Tunku Abdul Rahman	BIOTECHNOLOGY

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364	Production of Flavonoid Compounds in Cell Cultures of Ficus deltoidea (Mas Cotek)	Ramani d/o Poosporagi	Universiti Tunku Abdul Rahman	BIOTECHNOLOGY
365	Identification of the molecular mechanisms of intracellular TNF-alpha signalling pathways underlying the regulation of peroxisome proliferator receptor alpha (PPARalpha) during inflammation	Chew Choy Hoong	Universiti Tunku Abdul Rahman	BIOTECHNOLOGY
366	Development of a Candidate Vaccine for Highly Virulent Infectious Bursal Disease Virus (hVIBDV) by Epitope Display in Plant Viral Capsid Protein	Loh Hwei San	University of Nottingham Malaysia Campus	BIOTECHNOLOGY
367	Percutaneous Permeation of Palm Oil Using Human Skin	Andrew Morris	University of Nottingham Malaysia Campus	BIOTECHNOLOGY
368	Prevalance Study And Development Of Improved Detection Method For Controlling Caseous Lymphadenitis (CLA) In Goats	Ramlan Mohamed	Veterinary Research Institute	BIOTECHNOLOGY
369	Inactivation Of Fur Gene Of Pasteurella Multocida Type 6:B In The Development Of Attenuated Haemorrhagic Septicemia Vaccine	Ramlan Mohamed	Veterinary Research Institute	BIOTECHNOLOGY
370	Application Of A Novel Phage-Capturing Dot Blot For Detection Of Virulent Newcastle Disease Virus	KHOR SOCK KUN	Veterinary Research Institute	BIOTECHNOLOGY
371	Integrated Analysis Of Sago Palm As A Commercial Biomass	Abdul Manan bin Dos Mohamed	Craun Research Sdn. Bhd.	INDUSTRY
372	Micromachining Of Advanced Ceramics By Conventional And Non-Conventional Methods	Moola Mohan Reddy	Curtin Universiti of Technology Sarawak, Sarawak Campus, Malaysia	INDUSTRY
373	Electro-osmosis and Electro-stabilization Experiments on Soft Soils of North Sarawak	Shenbaga Rajaratnam Kaniraj Jeyachandran	Curtin Universiti of Technology Sarawak, Sarawak Campus, Malaysia	INDUSTRY
374	Structural And Dynamic Studies Of Glucagon Bound Gold Nanoparticles	Lee Kong Hung	Malaysia University of Science and Technology	INDUSTRY

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375	Stabilization of antioxidant from fruit by coacervation microencapsulation	Mohd. Suhaimi bin Alias	Malaysian Agricultural Research & Development Institute	INDUSTRY
376	Development Of A Novel Moisture Based Polymer Processing Prototype For Production Of Bio-Composite Material.	Mohd Faizal Abdul Rahman	Malaysian Nuclear Agency	INDUSTRY
377	Development of conducting paste for LTCC applications	CHE SEMAN MAHMOOD	Malaysian Nuclear Agency	INDUSTRY
378	Development of Porous Scaffold For Bone Tissue Engineering	Cik Rohaida Che Hak	Malaysian Nuclear Agency	INDUSTRY
379	Recycling of rubber by using electron beam radiation	Chantara Thevy Ratnam	Malaysian Nuclear Agency	INDUSTRY
380	Industrial Organic-wastewater Treatment using Electron Beam Machine and Biological System	Ting Teo Ming	Malaysian Nuclear Agency	INDUSTRY
381	Effects of irradiation on the microbial burden and chemical constituents of selected herbs.	Salmah Bt. Moosa	Malaysian Nuclear Agency	INDUSTRY
382	Development of a Method for Radium Removal from Industrial Wastewater using Humic Acid Fixed onto Immobilized Material	Zalina Laili	Malaysian Nuclear Agency	INDUSTRY
383	Composite Capacitor For A Dram Cell Using Barium Strontium Titanate [Bst] Oxide Material	Balachandran R	Multimedia University	INDUSTRY
384	Design And Optimisation Of Monolithic Mode-Locked Gainnas-Based Sesam-Vcsl With Optical Clocking And Wavelength Conversion Functionalities	Marinah binti Othman	Multimedia University	INDUSTRY
385	Development Of Antimicrobial Coating Of Silver Nanoparticle On Fiber By Assisted Ionically Self-Assembled Layer (Isa)	Abdul Kadir bin Masrom	SIRIM Berhad	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
386	Development Of Potent Antimicrobial Silver-Titania Composite Coatings By Plasma Spraying	Siti mariam Mohamad	SIRIM Berhad	INDUSTRY
387	Development of Transparent Conductive Films by RF Sputtering Magnetron CVD/PVD	Mohd Zakuan Bin Abdullah	SIRIM Berhad	INDUSTRY
388	Development of titania-based hybrid materials planar waveguides for use in optical integrated circuit.	Mohamad Zahid bin Abdul Malek	SIRIM Berhad	INDUSTRY
389	Development of Modified Mesoporous Molecular Sieves (MMS) for Reclamation of Liquid Fuels from Feedstock Recycling of Plastic Wastes	Abdul Kadir bin Masrom	SIRIM Berhad	INDUSTRY
390	Development of High Capacitance Electrode Materials for Supercapacitors Applications	Surani Buniran	SIRIM Berhad	INDUSTRY
391	Development of Antimicrobial Titania-Silver Composite Coatings Using Reactive Physical Vapour Deposition (PVD) Method	Mohd Radzi bin Hj Mohd Toff	SIRIM Berhad	INDUSTRY
392	Combined Solar-UV Photocatalytic Treatment to Convert Carbon Dioxide to Methane for Higher Value Gas	Tan Yong Nee	SIRIM Berhad	INDUSTRY
393	The development of of CNT and PAN solution as new hybrid precursor for manufacture of ultra high modulus carbon fiber by wet spinning	Mohamad Ariff bin Baharom	SIRIM Berhad	INDUSTRY
394	Nanostructured yttria stabilized zirconia (YSZ) coatings using plasma spray technique for thermal barrier coating applications	TALIB BIN RIA JAAFAR	SIRIM Berhad	INDUSTRY
395	Novel RF MEMS Switch Driver for Longer Switch Life and Failure Detection	Wallace Wong Shung Hui	Swinburne University of Technology, Sarawak Campus	INDUSTRY
396	Optimisation of Production of Powdered Activated Carbon from Oil Palm Empty Fruit Bunch (EFB) for Treatment of Industrial Wastewater	Suleyman Aremu Muyibi	Universiti Islam Antarabangsa Malaysia	INDUSTRY

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397	Computational Fluid Dynamics Modeling Of Spray Dryer With Wall Deposition	Wan Ramli Wan Daud	Universiti Kebangsaan Malaysia	INDUSTRY
398	Prediction Of Stochastic Fatigue Crack Using Probabilistic Method	Ahmad Kamal Ariffin Mohd Ihsan	Universiti Kebangsaan Malaysia	INDUSTRY
399	Inverse Analysis For Corrosion Detection Problem	Ahmad Kamal Ariffin Mohd Ihsan	Universiti Kebangsaan Malaysia	INDUSTRY
400	Development Of Microexchanger For Liquid-Based Thermal Management In High-Performance Semiconductor Package	Shahrir bin Abdullah	Universiti Kebangsaan Malaysia	INDUSTRY
401	Development Of A Stand-Alone Solar Powered Regenerative Proton Exchange Membrane (Pem) Electrolyzer -Fuel Cell System	Kamaruzzaman Sopian	Universiti Kebangsaan Malaysia	INDUSTRY
402	Development Of A Novel Photobioreactor For Improvement Of Biohydrogen Production	Jamaliah binti Md Jahim	Universiti Kebangsaan Malaysia	INDUSTRY
403	Development Of Quality Economics Data For Supply Chain Solutions In Manufacturing Companies	Mohd Nizam Ab Rahman	Universiti Kebangsaan Malaysia	INDUSTRY
404	Fabrication Of Improved White Organic Light Emitting Diode For Flat Panel Display	Muhamad bin Mat Salleh	Universiti Kebangsaan Malaysia	INDUSTRY
405	Development Of Gas Sensor Using Tio <sub>2</sub> Nanoparticles Coated With Bio-Material Thin Films	Muhamad bin Mat Salleh	Universiti Kebangsaan Malaysia	INDUSTRY
406	Development Of High Performance Composite Noise Barrier Panels From Local Natural Fibre Materials	Rozli bin Zulkifli	Universiti Kebangsaan Malaysia	INDUSTRY
407	Structural And Tribological Characterisations Of Cu-Based Alloys As Coating Materials For Connecting Rod Bearings In Automotive Engine	Mariyam Jameelah Ghazali	Universiti Kebangsaan Malaysia	INDUSTRY

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408	Development Of Nanostructured Zns/Cis Films For Advanced Solar Cell Application	Huda binti Abdullah	Universiti Kebangsaan Malaysia	INDUSTRY
409	Development Of Nanocrystal Mesoporous Zno For Dye Synthesized Solar Cell (DSSC)	Huda binti Abdullah	Universiti Kebangsaan Malaysia	INDUSTRY
410	Development Of Active Sound Absorption Panel Using Agro-Based Organic Fibre	Mohd. Jailani bin Mohd Nor	Universiti Kebangsaan Malaysia	INDUSTRY
411	Development Of Novel Depositless Spray Dryer	Wan Ramli Wan Daud	Universiti Kebangsaan Malaysia	INDUSTRY
412	Development Of Low Temperature Solid Oxide Fuel Cell Electrolytes And Electrodes	Wan Ramli Wan Daud	Universiti Kebangsaan Malaysia	INDUSTRY
413	Recycled PET-Glass Fiber Composite For Boat Components	Ishak bin Ahmad	Universiti Kebangsaan Malaysia	INDUSTRY
414	Magnetic Elements Doped Silicon And Germanium For Spintronics Applications	Noor Baa'yah binti Ibrahim	Universiti Kebangsaan Malaysia	INDUSTRY
415	Preparation And Characterization Of Solid Polymeric Electrolyte Of PEO-Zno-Liclo4	AZIZAN BIN AHMAD	Universiti Kebangsaan Malaysia	INDUSTRY
416	Development Of A High Strength Aluminium Alloy Composite Reinforced With Ceramics Of Aluminium	Abdul Razak Daud (Dr.)	Universiti Kebangsaan Malaysia	INDUSTRY
417	Continuous Solid Feed Processing For Rapid High-Pressure Fractionation Of Plant-Based Products	Masturah Markom	Universiti Kebangsaan Malaysia	INDUSTRY
418	Nanowire Solid State Dye-Sensitized Solar Cells	Muhammad bin Yahaya	Universiti Kebangsaan Malaysia	INDUSTRY

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419	Synthesis And Characterization Of Thermally Conductive Epoxy-Grafted Conjugated Polymers	Rusli bin Daik	Universiti Kebangsaan Malaysia	INDUSTRY
420	Development Of Graphite/Carbon Based Polymer Composite Plates With High Electrical Conductivity	Ja'afar bin Sahari @ Shaari	Universiti Kebangsaan Malaysia	INDUSTRY
421	Development Of A Micro Direct Methanol Fuel Cell (Dmfc) System For Portable Applications	Siti Kartom binti Kamarudin	Universiti Kebangsaan Malaysia	INDUSTRY
422	Fabrication Of Micro Components By Metal Injection Molding Process	Dr. Norhamidi bin Muhamad	Universiti Kebangsaan Malaysia	INDUSTRY
423	Development Of A Webcam Based Visual Servo System For Autonomous Robot Control In Agricultural Applications	Sallehuddin Mohamed Haris	Universiti Kebangsaan Malaysia	INDUSTRY
424	Photonic Crystal Devices For Optical Communications	Sahbudin Shaari	Universiti Kebangsaan Malaysia	INDUSTRY
425	Multiphase flow investigation using tomography technique	Mohd Sobri Takriff	Universiti Kebangsaan Malaysia	INDUSTRY
426	Development of Thermal Interface Material's Surface Thermal Properties Index for Flip Chip Ball Grid Array	Azami bin Zaharim	Universiti Kebangsaan Malaysia	INDUSTRY
427	Effects Of Scouring On Integral Bridge And Semi-Integral Piers During Low And High Flows	ISMAIL BIN OTHMAN	Universiti Malaya	INDUSTRY
428	Sustainable Development Of Water Distribution System Model For Effective Performance And Management	Faridah binti Othman	Universiti Malaya	INDUSTRY
429	A Study On Rare Earth Permanent Magnet In Linear Generator	Wan Nor Liza Binti Mahadi	Universiti Malaya	INDUSTRY

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430	Development Of Hydrogel As A Scaffold For Biomaterial In The Treatment Of Articular Cartilage Defects	Azlina Amir Abbas	Universiti Malaya	INDUSTRY
431	A Novel Process For Recovery Of Polyphenols From Fruit Processing Wastes	Che Rosmani binti Che Hassan	Universiti Malaya	INDUSTRY
432	Synthesis, Structural And Electrochemical Studies Of Supramolecular Arrays Based On Organic Ions: P-Sulfonato-Calix[N]Arenes And Phosphonium Cations	Yatimah Alias	Universiti Malaya	INDUSTRY
433	Developing A Durable Chip Seal Pavement In Malaysian Road Conditions	Mohd Rasdan bin Ibrahim	Universiti Malaya	INDUSTRY
434	Ionic Conductivity In Filler-Doped Modified Chitosan-Based Electrolyte	Abdul Kariem Mohd Arof	Universiti Malaya	INDUSTRY
435	Field Electron Emission Devices Based On Chemical Vapor Deposited Diamond	Roslan bin Md. Nor	Universiti Malaya	INDUSTRY
436	Study On High Temperature Corrosion Behaviour Of Nickel Aluminide Based Composite Fabricated Via Reaction Synthesis	Iskandar Idris Yaacob	Universiti Malaya	INDUSTRY
437	Novel Polyols From Natural Resources To Produce Polymers	Rosiyah Yahya	Universiti Malaya	INDUSTRY
438	Understanding The Formation Of Nanostructured Mo/MoO <sub>3</sub> - A Structural-Activity Elucidation	Sharifah Bee binti O A Abd Hamid	Universiti Malaya	INDUSTRY
439	Design, Fabrication And Test Of An Efficient Turbine Blade For Oscillating Water Column Devices.	Norhafizan bin Ahmad	Universiti Malaya	INDUSTRY
440	Development Of A Computer Based Qualitative Eco Design Tool For Concept Generation And Selection Stage: Eco- Concept	Raja Ariffin b. Raja Ghazilla	Universiti Malaya	INDUSTRY



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441	Development Of Structural Palm Kernel Shell Lightweight Aggregate Foamed And Non-Foamed Concrete	Mohd. Zamin Jumaat	Universiti Malaya	INDUSTRY
442	Development Of The External Finger Fixator To Correct Flexion Deformity	Noor Azuan bin Abu Osman	Universiti Malaya	INDUSTRY
443	Development Of Rut Resistant Asphalt Pavement Incorporating Waste Tires	Mohamed Rehan bin Karim	Universiti Malaya	INDUSTRY
444	Designing Stable Stealth Fatty Acid Nanoliposomes For Drug Delivery System	Misni Misran	Universiti Malaya	INDUSTRY
445	Development Of Armour Materials Through Superplastic Boronizing Of Duplex Stainless Steel	Iswadi Jauhari	Universiti Malaya	INDUSTRY
446	Manufacturing Reactive Powder Concrete (RPC) Using Local Materials	Hilmi bin Mahmud	Universiti Malaya	INDUSTRY
447	Highly Conducting Nickel Oxide Thin Films	Burhanuddin Kamaluddin	Universiti Malaya	INDUSTRY
448	Data Mining On Hidden Parameters Of Water Quality Index For Safe Drinking Water Using Artificial Neural Networks And Fuzzy Logic Systems	Ramani Bai V.	Universiti Malaya	INDUSTRY
449	Mixing Dynamics In Gassed And Ungassed Liquid-Solid Systems In Relation To Chemical And Bio-Reactor Operations	Shaliza Ibrahim	Universiti Malaya	INDUSTRY
450	Development Of Pylon Materials In Transtibial Prosthesis	Noor Azuan bin Abu Osman	Universiti Malaya	INDUSTRY
451	Design And Development Of PMSM Inverter Drive Suitable For Industrial Water Pump System	Siti Rohani Binti Sheikh Raihan	Universiti Malaya	INDUSTRY

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452	Innovative Semi-Flexible Pavement For Roads Using Local Materials	Mohamed Rehan bin Karim	Universiti Malaya	INDUSTRY
453	Development Of Polyvinylidene Fluoride Nanocomposite Solid Polymer Electrolytes	Nor Sabirin Mohamed	Universiti Malaya	INDUSTRY
454	Application Of Experimental Modal Analysis (Ema) In Damage Detection And Structural Health Monitoring (Shm) For Real Civil Engineering Structures	Zainah Ibrahim	Universiti Malaya	INDUSTRY
455	Development of Super Light Weight Completion Fluids for Improving Hydrocarbon Flow	Badrul Hisham Mohamed Jan	Universiti Malaya	INDUSTRY
456	Development of Nano-Composite Solid Polymer Electrolytes based Rechargeable Lithium Batteries for Ambient and Sub-ambient Temperature Applications	Mohd Rafie Johan	Universiti Malaya	INDUSTRY
457	Design and Development of Fuzzy Bayesian Network Control System of a Variable Speed Supercharger for Gasoline Engine	Hamzah Arof	Universiti Malaya	INDUSTRY
458	In situ Polymerization of Ethyleneimine (EI) in Palm Shell Based Activated Carbon for Gas Separation Applications	Wan Mohd Ashri Wan Daud	Universiti Malaya	INDUSTRY
459	An investigation into real time model based fault tolerant control systems	Yang Soo Siang	Universiti Malaya	INDUSTRY
460	Nanocomposite Based Eco-Friendly Solder for Microelectronic Packaging Applications	A.S.Md. Abdul Haseeb	Universiti Malaya	INDUSTRY
461	Experimental Rig Design For Production Of Biodiesel From Jatropa Oil	Badhrulhisham Abdul Aziz	Universiti Malaysia Pahang	INDUSTRY
462	Development Of Cost Effective Cement Matrix Composites	Khairul Nizar bin Ismail	Universiti Malaysia Perlis	INDUSTRY

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463	Development Of Ultrasonic Tomographic Imaging Instrument For Measuring Oxygen Transfer Rate In Bioreactor	MOHD HAFIZ FAZALUL RAHIMAN	Universiti Malaysia Perlis	INDUSTRY
464	Development Of Biofriendly Sacrificial Anode From Magnesium Alloys For Underground Structure Corrosion Protection	Shaiful Rizam b. Shamsudin	Universiti Malaysia Perlis	INDUSTRY
465	Development Of A Personal Service Robot Inherently Motivated By Learning Human Emotion.	Ramachandran Nagarajan	Universiti Malaysia Perlis	INDUSTRY
466	Development Of Portable Multi Channel Biosensor Using Nanogap Capacitor For Biomedical (Dna Hybridization) Detection	Uda bin Hashim	Universiti Malaysia Perlis	INDUSTRY
467	Fluid Flow Dependence On Quartz Microchannel Processing	Prabakaran Poopalan	Universiti Malaysia Perlis	INDUSTRY
468	Detecting Structural Steel Damage Using Non-Destructive Vibration Testing	Paulaj Murugesu Pandiyan	Universiti Malaysia Perlis	INDUSTRY
469	Development A Prototype Of Autonomous Mobile Robot For Navigation Mapping System In Hazardous Environment	Abdul Hamid Adom	Universiti Malaysia Perlis	INDUSTRY
470	Development Of A New Palm Oil And Agro-Filler Based Industrial Wax Product For Engineering Applications.	Bhuvnesh Rajamony	Universiti Malaysia Perlis	INDUSTRY
471	Studies On The Production And Properties Of Metal Filled Polymer As High Filler Loading Composite.	Che Mohd Ruzaidi bin Ghazali	Universiti Malaysia Perlis	INDUSTRY
472	3-D Based Inspection For Surface Mount Components In A Printed Circuit Board Assembly (Pcba) Using Fringe Projection	VITHYACHARAN A/L RETNASAMY	Universiti Malaysia Perlis	INDUSTRY
473	Development Of Cmos Isfet Based Ph Sensor For Biomedical Applications	Uda bin Hashim	Universiti Malaysia Perlis	INDUSTRY

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474	A cost-effective integrated process for production of probiotic cells as poultry antibiotic substitute	Chan Eng Seng	Universiti Malaysia Sabah	INDUSTRY
475	Response of Underground Pipes and Shafts Made of OPS lightweight concrete and HPC Subject to Blast Loads	N.S.V.Kameswara Rao	Universiti Malaysia Sabah	INDUSTRY
476	Person Identification using Facial Features	Jamal Dargham	Universiti Malaysia Sabah	INDUSTRY
477	Development of Methods Based on Real-Time Polymerase Chain Reaction (PCR) For The Authentication of Raw and Processed Meats	Clemente Michael Wong Vui Ling	Universiti Malaysia Sabah	INDUSTRY
478	Transesterification of palm oil to methyl ester at low temperature: An investigation into mass-transfer-controlled regime	Chu Chi Ming	Universiti Malaysia Sabah	INDUSTRY
479	Development of a bio-degradable lubricant for milling of inconel and stainless steel with coated tool.	Willey Liew Yun Hsien	Universiti Malaysia Sabah	INDUSTRY
480	Production and characterisation of biopowders made from gel-forming polymers	Chan Eng Seng	Universiti Malaysia Sabah	INDUSTRY
481	Enhancing Finished Products Appearances and Durability of Sapwood From Cultivated Acacia hybrid and Tectona grandis Through Environmental Friendly Heat Treatment Process.	Razak bin Wahab	Universiti Malaysia Sabah	INDUSTRY
482	Encapsulation Of Liquid Herbal Extract For Drying In A Packed Bed System	Rachel F. Mansa	Universiti Malaysia Sabah	INDUSTRY
483	Development Of A Thermal Membrane Separation Process: Reverse Pervaporation	Duduku Krishnaiah	Universiti Malaysia Sabah	INDUSTRY
484	Development of an Efficient Hybrid Solar Thermoelectric-Adsorption Cooling System.	Mohammad Omar Abdullah @ Mak Khoon Ling	Universiti Malaysia Sarawak	INDUSTRY

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485	Renewable Hydrogen Production Through Water Splitting Reaction Using Nanostructured Titanium Dioxide Photocatalyst	Mohd Hasmizam Bin Razali	Universiti Malaysia Terengganu	INDUSTRY
486	Development Of Nano Delivery System For Agrochemicals	Mahiran binti Basri	Universiti Putra Malaysia	INDUSTRY
487	Novel Pyrolysis Technology In Recovering Renewable Fuel And Precious Metal From E-Waste	Salmiaton binti Ali	Universiti Putra Malaysia	INDUSTRY
488	Improved Sago Flour Processing Efficiency Through Grinding Processes	Siti Mazlina Mustapa Kamal	Universiti Putra Malaysia	INDUSTRY
489	Production Of Biodiesel And Biolubricant Oil By Oscillatory Flow Mixing	Tinia Idaty Mohd. Ghazi	Universiti Putra Malaysia	INDUSTRY
490	Design And Development Of Free Space Reflector For Optical Communications	SALASIAH BT HITAM	Universiti Putra Malaysia	INDUSTRY
491	Development of an efficient process to purify the heatstable recombinant virus core particle	Tey Beng Ti	Universiti Putra Malaysia	INDUSTRY
492	Development of Non-Laser-Based Additive Prototyping System for Powdered Materials	TANG SAI HONG	Universiti Putra Malaysia	INDUSTRY
493	Development of efficient combined microwave and ultrasonic processing system for the production of biofuels from palm oil, coconut oil and waste vegetable oil	Kaida Khalid	Universiti Putra Malaysia	INDUSTRY
494	Manufacturing of metal matrix composite by squeeze casting technology for automotive applications	Shamsuddin bin Sulaiman	Universiti Putra Malaysia	INDUSTRY
495	Synthesis of Biomaterial Cellulose by Bacterial Fermentation	Suryani binti Kamarudin	Universiti Putra Malaysia	INDUSTRY

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496	The development of a simplified and cost-effective technique for direct recovery of lipase from crude rice bran waste	Ling Tau Chuan	Universiti Putra Malaysia	INDUSTRY
497	Miniaturization of Driver Module of Electronic Control Unit (ECU) for Compressed Natural Gas Direct Injection (CNGDI) Vehicle	Izhal bin Abdul Halin	Universiti Putra Malaysia	INDUSTRY
498	Production of Biodegradable Nanoparticles by Rapid Expansion Supercritical CO2 Solution (RESS) and Its Control Released Delivery.	Norhafizah binti Abdullah	Universiti Putra Malaysia	INDUSTRY
499	Whiskerization Treatment of Carbon Fibres With Carbon Nanotube Whiskers for Improving the Strength of Carbon Fibre Reinforced Composites.	Suraya Abdul Rashid	Universiti Putra Malaysia	INDUSTRY
500	Synthesis of Biodegradable Epichlorohydrin from Glycerol (Biodiesel Byproduct)	Robiah binti Yunus	Universiti Putra Malaysia	INDUSTRY
501	A Robust Structural Health Monitoring (SHM) system for aircraft parts and structures using Smart material.	Faizal bin Mustapha	Universiti Putra Malaysia	INDUSTRY
502	Analysis, Design, Performance and Detailing of Residential Buildings For Moderate Earthquake Excitation.	Jamaloddin bin Noorzaei	Universiti Putra Malaysia	INDUSTRY
503	Development Of Ijuk (Arenga Pinnata) Fiber Biocomposite For Small Boat Application	ZULKIFLLE LEMAN	Universiti Putra Malaysia	INDUSTRY
504	New Transient Converging Thermal Wave Technique	Mohd Maarof Bin H.A. Moxsin	Universiti Putra Malaysia	INDUSTRY
505	Production and Recovery of Xylitol from Agricultural Waste Product in a Bioreactor Coupled To Membrane Processes	Abd Ghani Liew Abdullah	Universiti Putra Malaysia	INDUSTRY
506	Fluid Evolutions In Water And Oil Dispersed Flow System	SITI ASLINA BINTI HUSSAIN	Universiti Putra Malaysia	INDUSTRY

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507	Construction of artificial consortia of microorganism using Dielectrophoresis (DEP) for wastewater treatment	Zurina Zainal Abidin	Universiti Putra Malaysia	INDUSTRY
508	Improved Synthesis of Vanadium Oxide Based Catalysts Using Green Chemistry Approach for C4 Oxidation	Taufiq Yap Yun Hin	Universiti Putra Malaysia	INDUSTRY
509	Synthesis Of Carbon Nanotubes Over Novel Carbon Supported Metal Catalysts	Abdul Rahman bin Mohamed	Universiti Sains Malaysia	INDUSTRY
510	Synthesis And Development Of Indigenous Nitrocellulose Membrane For Medical Biotechnology Applications	Abdul Latif Bin Ahmad	Universiti Sains Malaysia	INDUSTRY
511	Development And Utilization Of Mango Peel And Pulp As A New Generation Innovative Ingredients In Bakery Products	NOOR AZIAH BINTI ABDUL AZIZ	Universiti Sains Malaysia	INDUSTRY
512	Development Of A Nanoparticle Based Electrochemical Biosensor System For The Detection Of Vancomycin Resistance Enterococci (Vre)	Chan Yean Yean	Universiti Sains Malaysia	INDUSTRY
513	Development Of Solid Catalysts For Production Of Biodiesel From Palm Oil	Bassim H. Hameed	Universiti Sains Malaysia	INDUSTRY
514	Development Of Novel Catalyst For The Production Of Hydrogen From Oil Palm Biomass Under Supercritical Water Technology	Lee Keat Teong	Universiti Sains Malaysia	INDUSTRY
515	Development Of High Performance Permanent Magnet Brushless Motor Drives For Electric Vehicle Or Hybrid Electric Vehicle Applications	Dahaman Ishak	Universiti Sains Malaysia	INDUSTRY
516	Hydrocracking And Hydrotreating Of Residual Oil Using Mesoporous Molybdenum Carbide Catalysts	Tye Ching Thian	Universiti Sains Malaysia	INDUSTRY
517	Surface Modified Buffer Layer For Superconductors Growth Template	Zainovia binti Lockman	Universiti Sains Malaysia	INDUSTRY

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518	Development Of A Combined Model And Knowledge Based Fault Detector For Detection Of Deviations In Chemical Process Reactor	Mohamad Zailani Abu Bakar	Universiti Sains Malaysia	INDUSTRY
519	Bio-Gasoline Production From Palm Oil In A Transport Riser Reactor Using Nano-Zeolite Based Cracking Catalyst	Subhash Bhatia	Universiti Sains Malaysia	INDUSTRY
520	Natural Gas Utilization For Production Of Synthesis Gas In Catalytic Bed Membrane Reactor Using Combined Dry Reforming And Partial Oxidation Process.	Subhash Bhatia	Universiti Sains Malaysia	INDUSTRY
521	Development Of Nonlinear Bio-Polymerization Process Using Neural Networks Technique: Case Study : Bio-Polymerization Of Lactones To Polyester.	Zainal Bin Ahmad	Universiti Sains Malaysia	INDUSTRY
522	Production Of Beta Blockers Using Enzymatic Membrane Reactor	Azlina binti Harun @ Kamaruddin	Universiti Sains Malaysia	INDUSTRY
523	Studies On The Structural And Optical Properties Of III-V Nitrides (InAlGaN) Quaternary Nitrides Alloys Thin Films (Revised Version)	Haslan Abu Hassan	Universiti Sains Malaysia	INDUSTRY
524	High Efficiency Multispectrum Solar Cell.	Kamarulazizi Bin Ibrahim	Universiti Sains Malaysia	INDUSTRY
525	Characterization And Production Of Bio-Polymeric Flocculants From Microorganisms	Norli Ismail	Universiti Sains Malaysia	INDUSTRY
526	Design And Development Of High Speed Permanent Magnet Brushless Machines	Dahaman Ishak	Universiti Sains Malaysia	INDUSTRY
527	Development Of New Thermoplastic Elastomers (Tpe's) Based On Ethylene Vinyl Acetate (Eva) / Natural Rubber (Smr L) Blends	Hanafi Ismail	Universiti Sains Malaysia	INDUSTRY
528	Design And Control Of Intensified Neutralisation Reactor	Syamsul Rizal bin Abd Shukur	Universiti Sains Malaysia	INDUSTRY



No.	Project Title	Project Leader	Institution	Research Cluster
529	An Intelligent Sensor-Based Micro-Robotic Manipulator For A Tele-Operated Neurosurgical Application	Mohd Rizal Arshad	Universiti Sains Malaysia	INDUSTRY
530	Development Of A Robust Video Codec Transmission System In Mobile Channels Using Multiple Description Lattice Coding (Mdlc) Technique	Mohd Fadzli Bin Mohd Salleh	Universiti Sains Malaysia	INDUSTRY
531	Study Of Pile/Soil Setup - A Phenomenon Of Capacity Gained In Time For Driven Pile In Soft Clay	Mohamad Razip bin Selamat	Universiti Sains Malaysia	INDUSTRY
532	Slope Failure Prediction Using Geophysical Monitoring	Mohd Nawawi Mohd Nordin	Universiti Sains Malaysia	INDUSTRY
533	Lanthanide Doped Bismuth Titanate A Promising Candidate For Potential Fram Application	Srimala Sreekantan	Universiti Sains Malaysia	INDUSTRY
534	Growth And Fabrication Of Blue Laser Structures Based On Iii-V Nitrides	Zainuriah binti Hassan	Universiti Sains Malaysia	INDUSTRY
535	Impact Response Studies Of Knee Implant For Performing High Flexion Activities	MOHAMAD IKHWAN ZAINI BIN RIDZWAN	Universiti Sains Malaysia	INDUSTRY
536	Production Of Alumina Nanofibers By Sol-Gel Processing And Electrospinning Technique.	Hasmaliza Mohamad	Universiti Sains Malaysia	INDUSTRY
537	Development Of Membrane Gas Absorption Technology For The Removal Of Carbon Dioxide	Lee Keat Teong	Universiti Sains Malaysia	INDUSTRY
538	Development Of A Modified, Cost Effective Kaolin Filled Thermoplastic Composites For Automotive Application.	Azlan bin Ariffin	Universiti Sains Malaysia	INDUSTRY
539	Design Of A 3g Audio Amplifier Micro-Chip Using Cmos Technology	Tun Zainal Azni bin Zulkifli	Universiti Sains Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
540	Lead Free Solder Paste For Electronic Applications.	Ahmad Badri Ismail	Universiti Sains Malaysia	INDUSTRY
541	Development Of Integrated Supported Nano-Tio <sub>2</sub> Photocatalyst Adsorbent (Intpca) For Photocatalytic Degradation Of Phenol In A Fluidized Bed Reactor	Abdul Rahman bin Mohamed	Universiti Sains Malaysia	INDUSTRY
542	Nanostructure Thin Film Tetragonal Zirconia For Semiconducting Application	Ahmad Fauzi Mohd Noor	Universiti Sains Malaysia	INDUSTRY
543	Nano - Structural Electrodes Via Deformation Approach To Enhance Spot Welding Capability In Automobile Industries.	Ahmad Badri Ismail	Universiti Sains Malaysia	INDUSTRY
544	Hydraulic Modeling Of Pump Sump Using Physical Model.	Ismail bin Abustan	Universiti Sains Malaysia	INDUSTRY
545	Synthesis And Characterization Of Magnetic Ni-Au And Co-Au Core-Shell Nanoparticles For Biomedical Applications	Azizan Bin Aziz	Universiti Sains Malaysia	INDUSTRY
546	Development Of A New Vibration Absorbing Handle Based On Optimal Stiffness Characteristic To Attenuate Hand Arm Vibration During Grass Cutting	zaidi bin mohd ripin	Universiti Sains Malaysia	INDUSTRY
547	Development Of New Palm Wood Lumber Materials From Oil Palm Trunk	Abdul Khalil bin H P Shawkataly	Universiti Sains Malaysia	INDUSTRY
548	Fabrication And Characterisation Of Blue Lasing Devices	Azlan bin Abdul Aziz	Universiti Sains Malaysia	INDUSTRY
549	Continuous Production Of Carbon Nanotubes Via Catalytic Decomposition Of Methane Using Rotary Horizontal Reactor	Abdul Rahman bin Mohamed	Universiti Sains Malaysia	INDUSTRY
550	Construction Of Bioorganic Emitter And Optoelectrical Properties Of Organic Light Emitting (Ole) Molecules From Oil Palm Waste And Related Agro-Based Components	Yeap Guan Yeow	Universiti Sains Malaysia	INDUSTRY

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551	Development Of Niobium Carbide Reinforced Copper Matrix Composites By In Situ Processing	Zuhailawati Binti Hussain	Universiti Sains Malaysia	INDUSTRY
552	Development Of Rare Earths Substituted Mg-Mn Ferrite System For Microwave Application	Ahmad Fauzi Mohd Noor	Universiti Sains Malaysia	INDUSTRY
553	Modelling And Fabrication Of Dielectric Filled Mprwg Using Photosensitive Bcb	Aftanasar Md Shahar	Universiti Sains Malaysia	INDUSTRY
554	One-Dimensional Silicon Nanostructures For Nanoelectronic Device Applications	Sabar Derita Hutagalung	Universiti Sains Malaysia	INDUSTRY
555	Development Of A Membrane Acid Recovery System For The Production Of Bioethanol From Lignocellulosic Biomass	Lim Koon Ong	Universiti Sains Malaysia	INDUSTRY
556	Study Of Effect Of Ultrasonic In Enhancement Of Dehydration Rates: Vegetable And Fruit Products	Weeramundage J N Fernando	Universiti Sains Malaysia	INDUSTRY
557	Polishing of pretreated semi-aerobic landfill leachate using constructed wetland	Ismail bin Abustan	Universiti Sains Malaysia	INDUSTRY
558	Development of Optimisation Artificial Intelligent Prediction System for Laser Beam Machining (LBM) of Advanced Engineering Materials	Mohzani bin Mokhtar	Universiti Sains Malaysia	INDUSTRY
559	Fabrication Of High Curie Temperature Anisotropic Strontium Ferrite Magnets Through Powder Metallurgy Technique	Azizah Shaaban	Universiti Teknikal Malaysia	INDUSTRY
560	Development Of An Intelligent Active Vibration Control Of A Human-Like Arm	Musa bin Mailah	Universiti Teknologi Malaysia	INDUSTRY
561	Development Of Fuel Cell Power Train Simulator	Hamdani bin Saidi	Universiti Teknologi Malaysia	INDUSTRY

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562	Biomimetic Design And Fabrication Of Load Bearing Tissue Scaffolds For Stem Cells Tissue Regeneration.	Mohammed Rafiq bin Dato' Abdul Kadir	Universiti Teknologi Malaysia	INDUSTRY
563	Development Of Novel Carbon Nanotubes-Mixed Matrix Membranes For Hydrocarbon Gases Purification	Ahmad Fauzi bin Ismail	Universiti Teknologi Malaysia	INDUSTRY
564	Embedded System Based Solid Gas Mass Flow Rate Meter Using Optical Tomography	Ruzairi bin Hj Abdul Rahim	Universiti Teknologi Malaysia	INDUSTRY
565	Collaborative Teamwork In Construction	MOHAMAD IBRAHIM BIN MOHAMAD	Universiti Teknologi Malaysia	INDUSTRY
566	Dynamic Overmodulation And Field Weakening Strategies For Direct Torque Control (DTC) Of Induction Machines	Nik Rumzi bin Nik Idris	Universiti Teknologi Malaysia	INDUSTRY
567	Prediction And Treatment Of Scale In Malaysian Oilfield Operations	Abu Azam Md Yassin	Universiti Teknologi Malaysia	INDUSTRY
568	Energy Saving In Building Air-Conditioning System	Mohd Nor bin Musa	Universiti Teknologi Malaysia	INDUSTRY
569	Power Quality Study Of PV-Inverter System For Distributed Generation Connected To A Network Of Adjustable Speed Drives	Makbul Anwari	Universiti Teknologi Malaysia	INDUSTRY
570	Construction Design Method For Cold-Formed Steel Structures Using Partial Strength Joints	Mahmood bin Md. Tahir	Universiti Teknologi Malaysia	INDUSTRY
571	Low Temperature Catalytic Plasma Reactor For Conversion Of Methane To Fuels	Nor Aishah binti Saidina Amin	Universiti Teknologi Malaysia	INDUSTRY
572	Development Of Embedded Mini Sensor For Monitoring And Assessing Reinforced Concrete Deterioration	Mohammad bin Ismail	Universiti Teknologi Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
573	Optimal Audit - An Integrated Resource Conservation Software For Sustainable Development	Zainuddin bin Abdul Manan	Universiti Teknologi Malaysia	INDUSTRY
574	Development Of Polymer-Modified Ferroconcrete	Mohamed Ismail	Universiti Teknologi Malaysia	INDUSTRY
575	Development Of High Performance Sulfonated Poly (Ether Ether Ketone) (SPEEK) Proton Exchange Membrane For Direct Methanol Fuel Cell (DMFC) Application	Azeman bin Mustafa	Universiti Teknologi Malaysia	INDUSTRY
576	Full-Scale Test Of Trial Embankments On Bamboo-Geotextile Composite Reinforced Soft Clay	Aminaton binti Marto	Universiti Teknologi Malaysia	INDUSTRY
577	Temperature Effects On The Voltage Current Characteristics Of Distribution Zno Surge Arrester	Zulkurnain Abdul-Malek	Universiti Teknologi Malaysia	INDUSTRY
578	Design And Development Of A Novel System For Evaluating Disassemblability Of Product End-Of-Life Considerations For Polymer-Based Automotive Components Manufacture	Muhamad Zameri b. Mat Saman	Universiti Teknologi Malaysia	INDUSTRY
579	Development Of New Solvent-Free Coagulation Process For The Production Of Polyacrylonitrile-Based Carbon Fiber	Ahmad Fauzi bin Ismail	Universiti Teknologi Malaysia	INDUSTRY
580	Development Of Antimicrobial Starch-Based Film For Fruits And Vegetables Packaging	Eraricar bt Salleh	Universiti Teknologi Malaysia	INDUSTRY
581	Development Of Intelligent Packaging For Food	Ida Idayu binti Muhamad	Universiti Teknologi Malaysia	INDUSTRY
582	Optimisation Of Standard Geometrical Properties Of Steel Section With Trapezoid Web Profile	Mohd. Hanim Osman	Universiti Teknologi Malaysia	INDUSTRY
583	Corrosion Assessment Standard For Inspection Data To Evaluate The Remaining Lifetime Of Corroding Structures.	Norhazilan Md Noor	Universiti Teknologi Malaysia	INDUSTRY

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584	Novel Cds-Titanosilicate Hybrid Photocatalyst For Hydrogen Gas Generation.	Mustaffa bin Shamsuddin	Universiti Teknologi Malaysia	INDUSTRY
585	New Substrate Surface Finishes For Lead-Free Soldering	Ali bin Ourdjini	Universiti Teknologi Malaysia	INDUSTRY
586	Development Of Organic Electroluminescent Device Based On Metal-Hydrazone Complexes As Emitting Layer	Mustaffa bin Shamsuddin	Universiti Teknologi Malaysia	INDUSTRY
587	Design And Evaluation Of Gaas-Based Rectenna Devices For Intelligent Quantum Chips	Abdul Manaf Bin Hashim	Universiti Teknologi Malaysia	INDUSTRY
588	Development Of Wide Bandgap Semiconductor Hydrogen Gas Sensors	Abdul Manaf Bin Hashim	Universiti Teknologi Malaysia	INDUSTRY
589	Development Of Advanced Antibacterial Hybrid Nanofiltration Membrane For Environmental And Biological Applications	Ahmad Fauzi bin Ismail	Universiti Teknologi Malaysia	INDUSTRY
590	Development Of Gaas-Based Interdigital-Gated HEMT Plasma Devices For Solid-State Thz Wave Amplifier	Abdul Manaf Bin Hashim	Universiti Teknologi Malaysia	INDUSTRY
591	Synthesis Of Electrogenerated Zinc-Containing Zeolite (Egzn/Zeolite) Catalyst For Dehydrocyclodimerization Of C1-C4 Alkanes	Dr Aishah binti Abdul Jalil	Universiti Teknologi Malaysia	INDUSTRY
592	Analysis Of Springback And Its Effect On Mild Steel In Shape Winding.	Masine binti Md. Tap	Universiti Teknologi Malaysia	INDUSTRY
593	Nanobiosensor Based On Enzyme Encapsulated Silica Aerogel	Halimaton binti Hamdan	Universiti Teknologi Malaysia	INDUSTRY
594	The Effect Of Time Periodic Resonant Thermal Forcing On The Strongly Nonlinear Convection In Porous Media	IBRAHIM BIN MOHD JAIS	Universiti Teknologi Malaysia	INDUSTRY

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595	Immobilization Of Cholesterol Oxidase In Modified Zeolitic Materials For Electrochemical Cholesterol Biosensor Application	Alias bin Mohd Yusof	Universiti Teknologi Malaysia	INDUSTRY
596	Low Cost And High Yield Carbon Nanotubes From Hydrocarbon Using Floating Catalyst Potential For Biomedical Application	Alias bin Mohd Yusof	Universiti Teknologi Malaysia	INDUSTRY
597	Design Of Vertical Mosfet's For Future Development Of Nanoelectronics Device Using Tcad Tools	Razali Ismail	Universiti Teknologi Malaysia	INDUSTRY
598	Development Of Personalizable Urban-Mass Housing Unit Prototype	HJ. AHMAD BASHRI SULAIMAN	Universiti Teknologi Malaysia	INDUSTRY
599	Synthesis Of Gold Nanoparticles Embedded With Polymeric Layer For Application As Novel Label For Biological Diagnostics	Hadi Nur	Universiti Teknologi Malaysia	INDUSTRY
600	Development Of Green Nanocomposites With Enhanced Toughness	Azman bin Hassan	Universiti Teknologi Malaysia	INDUSTRY
601	Neutron Scattering Correction Functions To Enhance Neutron Radiographic Images	Wan Muhamad Saridan bin Wan Hassan	Universiti Teknologi Malaysia	INDUSTRY
602	Development Of Filtration Membranes From Empty Fruit Bunches (EFB) For The Pre-Treatment Of Palm Oil Mill Effluent (POME)	Mohd Ghazali bin Mohd Nawawi	Universiti Teknologi Malaysia	INDUSTRY
603	Design And Development Of A High Frequency Power Supply For Ozone Gas Generation	Zainal bin Salam	Universiti Teknologi Malaysia	INDUSTRY
604	Modeling And Control Of A Class Of Aerial Robotic Systems	Johari Halim Shah bin Osman	Universiti Teknologi Malaysia	INDUSTRY
605	Development Of Hydroxyapatite Biomimetic Coating Of Biomedical Grade Metallic Implant Using Investment Casting Technique.	Mohd. Hasbullah bin Idris	Universiti Teknologi Malaysia	INDUSTRY

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606	Chattering-Free Robust Unified Smooth Sliding Mode Controller Design For Mismatched Uncertain Systems	Johari Halim Shah bin Osman	Universiti Teknologi Malaysia	INDUSTRY
607	Virtual Industrial Plant Simulation For Energy Efficiency And Optimisation	Mohd Salman Leong	Universiti Teknologi Malaysia	INDUSTRY
608	Development Of Ultrasonic Assisted Distillation System For Separation Of Azeotropic Mixtures	Adnan bin Ripin	Universiti Teknologi Malaysia	INDUSTRY
609	The Development Of Hydrophilic Glass Surface	Rosli bin Hussin	Universiti Teknologi Malaysia	INDUSTRY
610	Nano-Sized Hydroxyapatite Particles Reinforced Ultra High Molecular Weight Polyethylene For Biomedical Applications	Mat Uzir b. Wahit	Universiti Teknologi Malaysia	INDUSTRY
611	Growth Of Indium Gallium Arsenide Quantum Dots	Zulkafli bin Othaman	Universiti Teknologi Malaysia	INDUSTRY
612	Recurrent Fuzzy Power System Stabiliser And Its FPGA Implementation	Mohd Fauzi Othman	Universiti Teknologi Malaysia	INDUSTRY
613	Experimental And Numerical Characterisation Of Metallic Hollow Sphere Structures	Andreas Oechsner	Universiti Teknologi Malaysia	INDUSTRY
614	Developing An Implementation Model For The Development Of Biotechnology Entrepreneurship In Malaysia	MOHD HASSAN BIN MOHD. OSMAN	Universiti Teknologi Malaysia	INDUSTRY
615	Bio-Electricity Generation By Palm Oil Mill Effluent (POME) Using Fuel Cell Reactor (FCR)	Mohd. Fadhil bin Md Din	Universiti Teknologi Malaysia	INDUSTRY
616	Benchmarking Of Quality Engineering Practices Between Malaysian And Thailand Automotive Manufacturing And Related Organizations	Sha'ri bin Mohd. Yusof	Universiti Teknologi Malaysia	INDUSTRY



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617	Development Of Reactive Membranes Based On Nanoparticles For Water Treatment	Ani binti Idris	Universiti Teknologi Malaysia	INDUSTRY
618	Purification Of Recovered Base Oil From Used Lubricants Using Chitosan And Zeolite	Mohamad Wijayanuddin bin Ali	Universiti Teknologi Malaysia	INDUSTRY
619	Development Of On-Line Process Monitoring System Using Multivariate Statistical Process Control (Mspc) For Chemical Plant	Kamarul 'Asri Ibrahim	Universiti Teknologi Malaysia	INDUSTRY
620	Development Of Si-Based Ion-Sensitive Fets For Ion Sensing	Abdul Manaf Bin Hashim	Universiti Teknologi Malaysia	INDUSTRY
621	A Humanoid With Stable Dynamic Gaits	Shamsudin bin Hj. Mohd Amin	Universiti Teknologi Malaysia	INDUSTRY
622	Development Of Smart Glove With Intelligent Tremor Control Using Piezo-Electric Actuators	Mohd Zarhamdy Md Zain	Universiti Teknologi Malaysia	INDUSTRY
623	Metal Oxide and Polymer-added Semiconductor Photocatalyst for Amine Removal in Petroleum Refinery Effluent	Rusmidah binti Ali	Universiti Teknologi Malaysia	INDUSTRY
624	Failure prediction of cancellous bone using morphological data of trabeculae structure.	Habibollah bin Haron	Universiti Teknologi Malaysia	INDUSTRY
625	Bio-tribocorrosion Performance of High Carbon and Low Carbon Biomedical Grade CoCrMo Alloys.	Fadzilah Adibah binti Abdul Majid	Universiti Teknologi Malaysia	INDUSTRY
626	Security Constrained and loss minimised electrical power system operation	Khalid bin Mohamed Nor	Universiti Teknologi Malaysia	INDUSTRY
627	Identification And Characterization Of Rare Earth Materials From 'Amang' As Phosphors For Filmless Medical Imaging System	Ahmad Bin Saat	Universiti Teknologi MARA	INDUSTRY

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628	Novel Techniques For Intelligent Power Quality Diagnosis System	Noraliza Hamzah	Universiti Teknologi MARA	INDUSTRY
629	A Novel Corrosion Resistant Cast Iron With Optimized Mechanical And Physical Characterization	Bulan Abdullah	Universiti Teknologi MARA	INDUSTRY
630	Voltage Stability Improvement In Power System Using Ant Colony Optimization Technique	Ismail Musirin	Universiti Teknologi MARA	INDUSTRY
631	Easy Care Finish For Cotton And Rayon Batik Fabrics	Wan Yunus bin Wan Ahmad	Universiti Teknologi MARA	INDUSTRY
632	Fabrication And Characterisation Of Biodegradable Polyolefin Filled Oxo Degradant And Photo Degradant Additive Based From Plant Source.	Rahmah Mohamed	Universiti Teknologi MARA	INDUSTRY
633	Impact And Post Impact Properties Of Metal Fibre Composite Materials	Yakub Md Taib	Universiti Teknologi MARA	INDUSTRY
634	Morphological Control Of Selected Organic Acids Using Crystallisation	Nornizar Anuar	Universiti Teknologi MARA	INDUSTRY
635	Novel Single-Stage Single-Phase Uninterruptible Power Supply Topologies	Mustafar Kamal Hamzah	Universiti Teknologi MARA	INDUSTRY
636	Tubular Heat Exchanger Design: Heat Transfer Performance Enhancement Toward Process Intensification	dzulkifli osman	Universiti Teknologi MARA	INDUSTRY
637	Available Transfer Capability Assessment By Using Cubic-Spline Interpolation Technique Incorporating Rolston's Method	Muhammad Murtadha	Universiti Teknologi MARA	INDUSTRY
638	Structural Behaviour Of Novel Profiled Web Steel And Composite Beam Of Medium To Long Span For Structural And Building Applications	Hanizah binti Ab Hamid	Universiti Teknologi MARA	INDUSTRY

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639	Studies Of The Natural Organic/Inorganic Pigments On Silicone-Based Binder For High Temperature Application	Azizah Hanom binti Ahmad	Universiti Teknologi MARA	INDUSTRY
640	New Power Electronic Integrated Circuit for Advanced Converter	Azilah Saparon	Universiti Teknologi MARA	INDUSTRY
641	Lime Cement For Deep Soft Soil Stabilization	Ismacahyadi Mohamed Jais	Universiti Teknologi MARA	INDUSTRY
642	Epoxidized Natural Rubber-Based Nanostructured Polymer Blends	Chan Chin Han	Universiti Teknologi MARA	INDUSTRY
643	Development Of A Green Process For The Production Of Higher Aldehydes From Olefins By Hydroformylation.	Hilmi bin Mukhtar	Universiti Teknologi PETRONAS	INDUSTRY
644	Development Of Graphitic Nanofibre And Carbon Nanotubes For Hydrogen Storage	Suzana binti Yusup	Universiti Teknologi PETRONAS	INDUSTRY
645	The Effects Of The Impact Of Viscoelastic Rods Using The Standard Linear Solid Model.	Abu Bakar bin Musa	Universiti Tenaga Nasional	INDUSTRY
646	Development Of High Toughness Hydroxyapatite By Incorporating Selective Dopants	Ramesh Singh	Universiti Tenaga Nasional	INDUSTRY
647	Superheterodyne Microwave Interferometer For Non-Contact Vibration Measurements On Rigid Structures	Chandan Kumar Chakrabarty	Universiti Tenaga Nasional	INDUSTRY
648	Design And Development Of A New Smart Sensing System For Liquid Phase And Composition Monitoring In Oil Palm Tissue Culture Growth	Abu Bakar bin Hasan	Universiti Tenaga Nasional	INDUSTRY
649	Re-Cycling Of Waste Materials From Steel Industry For Production Of Nizn Ferrite Suppressor Using Millscale Derived Hematite	Zolman bin Hari	Universiti Tenaga Nasional	INDUSTRY

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650	Development Of Solid State Dye-Sensitized Titanium Dioxide Photoelectrochemical Cells	Mohd. Yusri Abd. Rahman	Universiti Tenaga Nasional	INDUSTRY
651	Innovation Of Ventilated Brake Disc Blade Design For Cooling Improvement.	Kannan M. Munisamy	Universiti Tenaga Nasional	INDUSTRY
652	Development Of Concrete Utilizing Recycled Tire Rubber	Bashar S. Mohammed	Universiti Tenaga Nasional	INDUSTRY
653	Multi Dielectric Sensors For Characterization Of Contaminated Soil	Lariyah Mohd. Sidek	Universiti Tenaga Nasional	INDUSTRY
654	The Recycling Of Local Steel Mill By-Product (Mill Scale) Into High Industrial Grade Permanent Magnets	Woon Hai Song	Universiti Tenaga Nasional	INDUSTRY
655	Development Of A New Artificial Intelligent Controlled Neodymium-Doped Yttrium Aluminum Garnet (Nd:Yag) Laser Module	Johnny Koh Siaw Paw	Universiti Tenaga Nasional	INDUSTRY
656	A Novel Microwave Mediated Hydrophobically Modified Chitosan Nanoparticles As Molecularly Imprinted Polymer Matrix For Removal Of Estrogenic Pollutants From Contaminated Wastewater.	Saifuddin bin Hj. M. Nomanbhay	Universiti Tenaga Nasional	INDUSTRY
657	Enhancing Strength And Durability Of Concrete With Pulp And Paper Mill Residuals	Bashar S. Mohammed	Universiti Tenaga Nasional	INDUSTRY
658	A New Electromagnetic Prime Mover For Efficient Transports Applications	Noor Miza Muhamad Razali	Universiti Tenaga Nasional	INDUSTRY
659	Next Generation Quality of Service (QoS) Based Optical-IP Transceiver	Fairuz bin Abdullah	Universiti Tenaga Nasional	INDUSTRY
660	Development of layered organic-inorganic nanohybrid materials: herbicides intercalated into layered double hydroxide and its controlled release properties.	Zaemah binti Jubri @ Mohd Zufri	Universiti Tenaga Nasional	INDUSTRY

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661	Synthesis Of Biodegradable Superabsorbent Polymers	Chee Swee Yong	Universiti Tunku Abdul Rahman	INDUSTRY
662	Investigation of the photoluminescence and antimicrobial properties of silver nanoparticles	Kho Chiew Ling	Universiti Tunku Abdul Rahman	INDUSTRY
663	Fabrication Of Nanoscaffolds For Bone Tissue Engineering	Siew Shee Lim	University of Nottingham Malaysia Campus	INDUSTRY
664	Development of Property Integration Techniques for Waste Minimisation	Foo Chwan Yee	University of Nottingham Malaysia Campus	INDUSTRY
665	Magnetic Nanocomposites Templated From Surfactant System: Synthesis, Characterization And Potential Application As Photocatalyst	Khiew Poi Sim	University of Nottingham Malaysia Campus	INDUSTRY
666	Satellite Attitude Determination and Control Back-Up Module	Warren Soh Kay Hoh	Astronautic Technology (M) Sdn. Bhd.	SEA TO SPACE
667	Innovative Satellite Platform and Experimental Payloads	Aziz Bin Yusoff	Astronautic Technology (M) Sdn. Bhd.	SEA TO SPACE
668	The Development Of A Novel Non-Destructive Testing System For Automated Classification On Timber And Timber-Based Products-A Malaysian Innovation.	Mohamad Omar bin Mohamad Khaidzir	Forest Research Institute of Malaysia	SEA TO SPACE
669	Establishment of anthropogenic radioactivity concentration in Peninsular Malaysia marine environment	Zaharudin Ahmad	Malaysian Nuclear Agency	SEA TO SPACE
670	Application of Nuclear Techniques to Study Bioaccumulation and Transfer Factor for Marine Biota	Norfaizal bin Mohamed @ Muhammad	Malaysian Nuclear Agency	SEA TO SPACE
671	Identification Sources of Petroleum Hydrocarbons in Marine Environment of Sabah and Sarawak Coastal Area.	MD SUHAIMI BIN ELIAS	Malaysian Nuclear Agency	SEA TO SPACE

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672	Geochemical and Sedimentological Characteristics Studies of Pahang Estuary, Malaysia	Kamaruzzaman bin Yunus	Universiti Islam Antarabangsa Malaysia	SEA TO SPACE
673	Chemical Speciation And Toxicological Evaluation Of Malaysian Water Resources	Md. Pauzi Abdullah	Universiti Kebangsaan Malaysia	SEA TO SPACE
674	Assessment Of The Malaysian Mangrove Ecosystem Through Resistance And Resilience Of Coastal Marine Fishes And Associated Fauna	Mazlan bin Abd. Ghaffar	Universiti Kebangsaan Malaysia	SEA TO SPACE
675	Distribution And Diversity Of Nrps And Pks-I Genes In Marine Actinomycete Isolates From Malaysia	Asmat binti Ahmad	Universiti Kebangsaan Malaysia	SEA TO SPACE
676	Implementing Integrated Water Resources Management (IWRM) In Malaysia: Multistakeholder And Multidisciplinary Approach	Mazlin B. Mokhtar	Universiti Kebangsaan Malaysia	SEA TO SPACE
677	Groundwater Ecosystem: The Impact Of Groundwater Abstraction To Land Stability In Langat Basin	Jasni bin Yaakub	Universiti Kebangsaan Malaysia	SEA TO SPACE
678	Landscape Ecological Assessment Of Protected Areas In Peninsular Malaysia For Sustainable Management Planning	Saiful Arif Abdullah	Universiti Kebangsaan Malaysia	SEA TO SPACE
679	Development Of A High Efficiency Marine Current Energy Converter	Othman A. Karim	Universiti Kebangsaan Malaysia	SEA TO SPACE
680	Development Of A Comprehensive Marine Energy Atlas For Malaysia	Khairul Nizam Abdul Maulud	Universiti Kebangsaan Malaysia	SEA TO SPACE
681	Development Of Robust Single Outlier Detection Procedure For Non-Linear Time Series Data	Azami bin Zaharim	Universiti Kebangsaan Malaysia	SEA TO SPACE
682	Development Of High Resolution 3D Hydrodynamic Model Of Water Circulation And Oceanographic Conditions Along Peninsular Malaysia's Eastern Continental Shelf	Fredolin Tangang @ Tajudin Mahmud	Universiti Kebangsaan Malaysia	SEA TO SPACE

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683	Investigation Of The Relative Influence Of ENSO And Indian Ocean Dipole (IOD) Phenomena On Interannual Climate Variability In Malaysia	Fredolin Tangang @ Tajudin Mahmud	Universiti Kebangsaan Malaysia	SEA TO SPACE
684	New Techniques For Rapid Toxicity Evaluation And Bioassay Of Wastewater	Salmijah binti Surif	Universiti Kebangsaan Malaysia	SEA TO SPACE
685	New Derivation On Classical Problems Of Analytic Univalent Functions Via Operator Defined On Hilbert Space	Maslina binti Darus	Universiti Kebangsaan Malaysia	SEA TO SPACE
686	An Innovative Biomarker Technique For Aquatic Pollution Assessment Using Freshwater Chironomid	Ahmad bin Abas Kutty	Universiti Kebangsaan Malaysia	SEA TO SPACE
687	Investigation Of Maritime Weather System And Development Of High-Resolution Rainfall Prediction System In Malaysia Regions Based On The PSU/NCAR 5th Generation Mesoscale Model	Liew Ju Neng	Universiti Kebangsaan Malaysia	SEA TO SPACE
688	Changing Hydro-Meteorological Events And Its Threat To Water Security - A Study Of Perak River, Klang River And Kelantan River Basins	Khairulmaini Osman Salleh	Universiti Malaya	SEA TO SPACE
689	Time Marker For The Late Pleistocene In Peninsular Malaysia: Studies On The Volcanic Ash Deposit	Ros Fatimah Muhammad	Universiti Malaya	SEA TO SPACE
690	Enhancing the forecast value of the Malaysian Meteorological Department limited area model on severe weather in Malaysia and its neighbouring sea during the northeast monsoon	Azizan bin Abu Samah	Universiti Malaya	SEA TO SPACE
691	A tool for predicting seawater intrusion into Manukan island's aquifer.	Mohd Harun bin Abdullah	Universiti Malaysia Sabah	SEA TO SPACE
692	Assessment Of Coral Reef Health Indicators At Redang Island Using High-Resolution Satellite Imagery And In-Situ Hyperspectral Measurements	Razak Zakariya	Universiti Malaysia Terengganu	SEA TO SPACE
693	The Ecological And Productivity Contribution Of Replanted Rhizophora Communities Of Different Age Groups To The Kelantan Delta, Tumpat, Kelantan	Sulong bin Ibrahim	Universiti Malaysia Terengganu	SEA TO SPACE

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694	Beach Cycle And Sediment Distribution Along The East Coast Of West Malaysia; As Reference For Extreme Storm Effect	Rosnan bin Yaacob	Universiti Malaysia Terengganu	SEA TO SPACE
695	Vegetation Health And Stress Evaluations Based On Remote Sensing And Ground Survey Techniques In Kelantan Delta Mangrove Ecosystem, Eastern Peninsular Malaysia	Sulong bin Ibrahim	Universiti Malaysia Terengganu	SEA TO SPACE
696	Runge-Kutta Nystrom Method For Solving Higher Order Ordinary And Delay Differential Equations Directly	Fudziah bt Ismail	Universiti Putra Malaysia	SEA TO SPACE
697	Developing A Code For Solving Directly Higher Order Ordinary Differential Equations (Odes) Using The Multistep Method In The Backward Difference Formulation.	MOHAMED BIN SULEIMAN	Universiti Putra Malaysia	SEA TO SPACE
698	Development Of Biological Indicators Based On Tropical Marine Copepod Biodiversity In Coastal Waters Of The Straits Of Malacca	Fatimah binti Md Yusoff	Universiti Putra Malaysia	SEA TO SPACE
699	Quantitative Determination Of Pcb's, Dioxins, And Furans In Marine Fish From Straits Of Malacca	Azrina Azlan	Universiti Putra Malaysia	SEA TO SPACE
700	Ethnobotanical Study on Aquatic Macrophytes Used by Indigenous Peoples	Muta Harah bt Zakaria@Ya	Universiti Putra Malaysia	SEA TO SPACE
701	Indoor and outdoor culture of tropical sponggrass, <i>Halophila ovalis</i> R. Brown	Japar Sidik bin Bujang	Universiti Putra Malaysia	SEA TO SPACE
702	Control And Management Of Commensal Norway Rat ( <i>Rattus Norvegicus</i> ) (Mammalia:Rodentia:Muridae) Population In An Urban Habitat: Integrated Approach By GIS-Modelling.	SHAHRUL ANUAR MOHD SAH	Universiti Sains Malaysia	SEA TO SPACE
703	The Molecular Phylogeny Of Malaysia's Sea Cucumber (Echinodermata: Holothuroidea) Based On Mitochondrial Dna Sequence	Zulfigar Yasin	Universiti Sains Malaysia	SEA TO SPACE
704	Simulation Models For Propagule Dispersal To Maximize Impact Of Mangrove Restoration	Foong Swee Yeok	Universiti Sains Malaysia	SEA TO SPACE



No.	Project Title	Project Leader	Institution	Research Cluster
705	Coastal And Marine Resource Inventory For Conservation And Restoration Of Damaged Habitats In Northern Straits Of Malacca	ANISAH LEE ABDULLAH	Universiti Sains Malaysia	SEA TO SPACE
706	Predicting The Habitat Selection And Abundance Of Raptors Using Remote Sensing Techniques And Geographic Information Systems: A Case Study With The White-Bellied Sea-Eagle ( <i>Haliaeetus Leucogaster</i> )	SHAHRUL ANUAR MOHD SAH	Universiti Sains Malaysia	SEA TO SPACE
707	Enhancing Coral Growth Through Photoecology By Using Fibre Optics To Enhance Underwater Sunlight Penetration.	Ahmad Khairi bin Abd. Wahab	Universiti Teknologi Malaysia	SEA TO SPACE
708	Enhancing Coral Growth On Artificial Reef By Direct Current	Ahmad Khairi bin Abd. Wahab	Universiti Teknologi Malaysia	SEA TO SPACE
709	Online Dynamic Cadastral Block Segmentation And Dynamic Network Adjustment Of Land Record For Modern Cadastre In Malaysia	Abdullah Hisam bin Omar	Universiti Teknologi Malaysia	SEA TO SPACE
710	Real Time Data Acquisition And Processing For Geodetic Industrial Deformation Analysis	Halim bin Setan	Universiti Teknologi Malaysia	SEA TO SPACE
711	Eco-Hydrological Dynamics Indices Of Johor River Corridors	Ayob Katimon	Universiti Teknologi Malaysia	SEA TO SPACE
712	Development Of Mapping Procedures Using Digital Imagery And Unmanned Aerial Vehicle System	Assoc. Prof. Dr. Hj. Anuar Bin Hj. Ahmad	Universiti Teknologi Malaysia	SEA TO SPACE
713	An Investigation Of Unsteady Aerodynamics On Helicopter Tail Shake Phenomenon	Shuhaimi Mansor	Universiti Teknologi Malaysia	SEA TO SPACE
714	Development Of Ship Manoeuvring Simulator For Research, Training And Safety Assessment	Adi Maimun bin Hj Abdul Malik	Universiti Teknologi Malaysia	SEA TO SPACE
715	Development Of Total Bed Material Load Equation For High Gradient Rivers In Malaysia	Shanker Kumar Sinnakaudan	Universiti Teknologi MARA	SEA TO SPACE

No.	Project Title	Project Leader	Institution	Research Cluster
716	Effects Of Used Engine Oil On Properties Of Concrete And On Structural Behaviour Of Reinforced Concrete Members	Nasir Shafiq	Universiti Teknologi PETRONAS	SEA TO SPACE
717	Development Of Effective Measures And Techniques For Control Of Weeds In Sago Plantations On Peat	Yusup B. Sobeng	Craun Research Sdn. Bhd.	AGRICULTURE
718	Paternity Analysis Of Shorea Platyclados (Meranti Bukit) Using Microsatellite Markers To Establish F1 Mapping Population For Molecular Breeding	Ng Chin Hong	Forest Research Institute of Malaysia	AGRICULTURE
719	Assessment Of Antiinflammatory Activities And Phytochemical Analysis Of Selected Senna Species Towards Herbal Product Development.	Mazura binti Md. Pisar	Forest Research Institute of Malaysia	AGRICULTURE
720	Characterisation And Sensory Evaluation Of Essential Oils From Selected Aquilaria And Curcuma Species Towards Quality Control Assessment Of Herbal Products	Nor Azah binti Mohamad Ali	Forest Research Institute of Malaysia	AGRICULTURE
721	Improvement Of The Merchantable Heights Table For Determining Volume Of Standing Trees	Wan Mohd. Shukri bin Wan Ahmad	Forest Research Institute of Malaysia	AGRICULTURE
722	Feasibility Of Growth Simulation Model (Formind) For Timber Production And Biodiversity Conservation Assessment	Abd. Rahman bin Kassim	Forest Research Institute of Malaysia	AGRICULTURE
723	Optimising Throughputs of Selected Commercial Species (Keruing) with Log Cutting Patterns Using Best Opening Face (BOF) System	How Seok Sean	Forest Research Institute of Malaysia	AGRICULTURE
724	Nutrient Loaded Khaya Senegalensis And Azadirachta Excelsa Seedlings Enhanced With Arbuscular Mycorrhizae (Am) For Forest Plantation Establishment On Degraded Soils	V. JEYANNY VIJAYANATHAN	Forest Research Institute of Malaysia	AGRICULTURE
725	Inducing Biological Nitrogen Fixation In Oil Palm Using Nitrogen Fixing Bacteria	LULIE JOSHUA MELLING	Jabatan Pertanian Sarawak	AGRICULTURE
726	Resistance To Cocoa Pod Borer And Pod Abscission Through Inter-Specific Hybridization Of Theobroma Cacao And Theobroma Grandiflorum	Nuraziawati binti Mat Yazik	Lembaga Koko Malaysia	AGRICULTURE

No.	Project Title	Project Leader	Institution	Research Cluster
727	Development Of Chocolate And Tablet Rich In Antioxidant From Cocoa	Rosmawati Mat Shair	Lembaga Koko Malaysia	AGRICULTURE
728	Use Of Beneficial Endophytic Organism To Control Common Diseases Of Cocoa.	Ishak bin Zubir	Lembaga Koko Malaysia	AGRICULTURE
729	Evaluation of tree canopy transformation technique in the rehabilitation of vascular streak dieback disease infested matured cocoa.	rozita osman	Lembaga Koko Malaysia	AGRICULTURE
730	Resistance to vascular streak dieback disease through evaluation of the enzymatic activities in selected cocoa clones	Azmi bin Che Ahmad	Lembaga Koko Malaysia	AGRICULTURE
731	Variation Of Bending Capacity Along The Lamina Length Of Rice	Lim Saw Hoon	Malaysia University of Science and Technology	AGRICULTURE
732	Removal Of Odor Produce By Chicken Manure Using Microbial Consortium	Jeffrey Lim Seng Heng	Malaysian Agricultural Research & Development Institute	AGRICULTURE
733	Assessment of safety profile, anticancer activities and bioactive constituents towards the development of new soursop-based functional foods	Saniah binti Kormin	Malaysian Agricultural Research & Development Institute	AGRICULTURE
734	Development and Evaluation of Superchilled Fish Fillet for Export Market	Ashadi bin Yaacob@Ramli	Malaysian Agricultural Research & Development Institute	AGRICULTURE
735	Improving the Nutritive Value of Feed Rice Through Enzyme Addition	Azlian Mohamad Nazri	Malaysian Agricultural Research & Development Institute	AGRICULTURE
736	Establishment of foundation breeding stocks of kampung chickens for the production of Ayam Kampung Malaysia	Azlina Azma Binti Ismail Affendee	Malaysian Agricultural Research & Development Institute	AGRICULTURE
737	Efficacy assessment of free-living nitrogen fixing bacteria biofertilizer in the soil	Emmyrafedziawati Aida Binti Kamal Rafedzi	Malaysian Agricultural Research & Development	AGRICULTURE

No.	Project Title	Project Leader	Institution	Research Cluster
			Institute	
738	Genetic characterization of Malaysian goat population for optimum genetic conservation and utilization.	Amie Marini Abu Bakar	Malaysian Agricultural Research & Development Institute	AGRICULTURE
739	Development of biological molluscicides from tea-seed cake and other local plants for the management of golden apple snail, <i>Pomacea canaliculata</i> Lamarck (Gastropoda: Pilidae).	Yahaya bin Hussain	Malaysian Agricultural Research & Development Institute	AGRICULTURE
740	Nitrogen availability in a closed system of organic chicken production process	Aini binti Zakaria	Malaysian Agricultural Research & Development Institute	AGRICULTURE
741	Improvement of storage life of papaya, pineapple, durian and mango by pre-storage application of 1-Methylcyclopropene (1-MCP).	Pauziah binti Muda	Malaysian Agricultural Research & Development Institute	AGRICULTURE
742	Macroecological Approach for Plant Diversity Characterisation and Mapping	Muhamad Radzali bin Mispan	Malaysian Agricultural Research & Development Institute	AGRICULTURE
743	Bioprospecting for microbes to control <i>Erwinia chrysanthemi</i> in pineapple	NOR AYSHAH ALIA BINTI ALI HASSAN	Malaysian Agricultural Research & Development Institute	AGRICULTURE
744	In vivo modification of lignin from rice straw as natural adhesive for mat production	Noor Sarinah Binti Mohd Noor	Malaysian Agricultural Research & Development Institute	AGRICULTURE
745	Development of NHA Coated Compound and NHA Incorporated Compound Fertilizers	Muhammad Syahren bin Adzahar	Malaysian Agricultural Research & Development Institute	AGRICULTURE
746	Phytochemical prospecting and biological activity of extracts from some traditional leafy vegetables	Erny Sabrina binti Mohd Noor	Malaysian Agricultural Research & Development Institute	AGRICULTURE

No.	Project Title	Project Leader	Institution	Research Cluster
747	Bioprospecting of effective microorganisms for the control of Anthracnose on chilli	Jeffrey Lim Seng Heng	Malaysian Agricultural Research & Development Institute	AGRICULTURE
748	Evaluation of performance and stability of new promising chilli inbred lines for processing under different agro-ecological environments.	Norfadzilah binti Ahmad Fadzil	Malaysian Agricultural Research & Development Institute	AGRICULTURE
749	Pre-storage treatments to control microbial population and maintaining quality of fresh-cut fruits (pineapple, jackfruit, melon)	Nur Aida Mohd Padzil	Malaysian Agricultural Research & Development Institute	AGRICULTURE
750	Diallel crosses of 4 selected inbred lines for production of F1 watermelon hybrids	Bahari bin Mohd Masaruddin	Malaysian Agricultural Research & Development Institute	AGRICULTURE
751	Costs and benefits analysis for conservation of agro-biodiversity resources (rice, fruits, vegetables, ulams and herbs)	Raziah binti Mat Lin	Malaysian Agricultural Research & Development Institute	AGRICULTURE
752	Sustainable weed management for aerobic rice cultivation	Azmi bin Man	Malaysian Agricultural Research & Development Institute	AGRICULTURE
753	Developing sweetpotato ( <i>Ipomoea batatas</i> (L.) Lam.) varieties for some novel uses	Tan Swee Lian	Malaysian Agricultural Research & Development Institute	AGRICULTURE
754	The use of indigenous bacteria and phage in controlling <i>Ralstonia solanacearum</i> in tomato	TAN GEOK HUN	Malaysian Agricultural Research & Development Institute	AGRICULTURE
755	Nutritional improvement of selected food products from Malaysian brown and coloured rice.	Rosniyana binti Ahmad	Malaysian Agricultural Research & Development Institute	AGRICULTURE
756	Extraction And Evaluation of Glucomannan From Locally Cultivated Tubers (Sweet Potato and Yam) As Functional Food Ingredients	Nor Azmah binti Umar	Malaysian Agricultural Research & Development Institute	AGRICULTURE

No.	Project Title	Project Leader	Institution	Research Cluster
757	Safety and bioactivity evaluation of standardized extract of domesticated <i>Ficus deltoidea</i> for the development of functional food	Hadijah binti Hassan	Malaysian Agricultural Research & Development Institute	AGRICULTURE
758	Enhancement Of Biofertilizer Development For Industrial Crops Through Irradiation And Isotopic Tracer Technology	KHAIRUDDIN BIN ABDUL RAHIM	Malaysian Nuclear Agency	AGRICULTURE
759	Development of diagnostic DNA kits for fruit fly pests (Tephritidae: INSECTA)	Chua Tock Hing	Monash University Sunway Campus Malaysia	AGRICULTURE
760	Induction Of Embryo Development To Elucidate The Molecular Biology Of Somatic Embryogenesis In Mangosteen	Normah Mohd. Noor	Universiti Kebangsaan Malaysia	AGRICULTURE
761	Production And Utilization Of Isolated Protein From Palm Kernel Cake	Mohd Khan Ayob	Universiti Kebangsaan Malaysia	AGRICULTURE
762	Development Of High Quality Cryopreserved Sperm For Assisted Reproductive Technology(ART): An Animal Model	Siti Fatimah binti Ibrahim	Universiti Kebangsaan Malaysia	AGRICULTURE
763	Conservation And Upgrading Of Katjang Goat Through Reproductive Biotechnological Method	Wan Khadijah binti Wan Embong	Universiti Malaya	AGRICULTURE
764	Monogenean Diseases In Marine Aquaculture	Lim Lee Hong Susan	Universiti Malaya	AGRICULTURE
765	Effect Of Seaweed ( <i>Eucheuma</i> ) And Geotextile On Seawater Quality And Fish Growth In A Fish Hatchery	Abentin bin Estim	Universiti Malaysia Sabah	AGRICULTURE
766	Determination of optimum light intensity for larval rearing of sea bass and tiger grouper for aquaculture.	Yukinori Mukai	Universiti Malaysia Sabah	AGRICULTURE
767	Assessment of termite pest damage and its effect on the oil palm ecosystem in Sabah.	Homathevi Rahman	Universiti Malaysia Sabah	AGRICULTURE

No.	Project Title	Project Leader	Institution	Research Cluster
768	Production of granular cold water-soluble sago starch and related instant food products	Lee Jau Shya	Universiti Malaysia Sabah	AGRICULTURE
769	The Potential Of Edible Wild Fungi As Natural Source Of Antioxidants And Micronutrients In Food Applications	Chye Fook Yee	Universiti Malaysia Sabah	AGRICULTURE
770	An Alpha-Taxonomic Treatment Of Homalomena Schott (Plantae: Araceae: Homalomeneae) Of Sarawak And Sabah Including Preliminary Investigations Of Potential Active Terpenoid & Flavonoid Principles Linked To Indigenous Peoples' Usages As Medicinal Herbs	Wong Sin Yeng	Universiti Malaysia Sarawak	AGRICULTURE
771	Rapid Diagnosis For Herbicide Resistance In Annual And Perennial Weeds	Chuah Tse Seng	Universiti Malaysia Terengganu	AGRICULTURE
772	Litter Dynamics, Decomposing Mangrove Leaves And Application Of Fatty Acid Biomarkers As Trophic Tracers In The Cukai-Kemaman Mangrove Ecosystem	Zainudin Bachok	Universiti Malaysia Terengganu	AGRICULTURE
773	Development Of Value Added Product From Pumpkin (Cucurbita Maxima)	Amiza binti Mat Amin	Universiti Malaysia Terengganu	AGRICULTURE
774	Broodstock Production Of False Clownfish (Amphiprion Ocellaris) In Captivity.	Abol Munafi bin Ambok Bolong	Universiti Malaysia Terengganu	AGRICULTURE
775	High Efficiency Control Release Fertilizer Urea Using Bio-Film As A Coater	Aminuddin bin Hussin	Universiti Putra Malaysia	AGRICULTURE
776	Halal Food Authentication Studies: Development And Application Of Multi Rapid Analytical Techniques	Yaakob bin Che Man	Universiti Putra Malaysia	AGRICULTURE
777	Study Of Pain In Sheep Animal Model	Chen Hui Cheng	Universiti Putra Malaysia	AGRICULTURE
778	Isolation And Identification Of Campylobacter Sp. From Retail Poultry And Raw Vegetables	Farinazleen Mohamad Ghazali	Universiti Putra Malaysia	AGRICULTURE

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779	Bioavailability of folate in food items commonly consumed among Malaysians	Loh Su Peng	Universiti Putra Malaysia	AGRICULTURE
780	Effect of dietary zinc levels and sources on immune response , growth and carcass quality of broilers under thermoneutral and heat stressed environments	Liang Juan Boo	Universiti Putra Malaysia	AGRICULTURE
781	Evaluating environmentally certified wood products choice among business customers in Malaysia	Shukri Mohamed	Universiti Putra Malaysia	AGRICULTURE
782	Extraction of dietary constituents with nutraceuticals potential from microalgae	Loh Su Peng	Universiti Putra Malaysia	AGRICULTURE
783	Enhancing the viability and stability of a poultry Lactobacillus-probiotic during storage in coated microparticles	Ho Yin Wan	Universiti Putra Malaysia	AGRICULTURE
784	Effects of tannins from Leucaena forage on cellulolytic rumen bacteria and fungi	Ho Yin Wan	Universiti Putra Malaysia	AGRICULTURE
785	Distribution, molecular characterization and management of citrus greening disease - (RESUBMISSION as recommended in cycle 1)	Kamaruzaman Sijam	Universiti Putra Malaysia	AGRICULTURE
786	Enhancement Meat Quality of Broiler Chicken Through Feeding of Locally Isolated Lactic Acid Bacteria	Loh Teck Chwen	Universiti Putra Malaysia	AGRICULTURE
787	Habitat Requirements Of The Black Giant Squirrel (Ratufa Bicolor) And Flying Lemur (Cynopcephalus Variegatus) In Penang National Park: Comparing Field Survey, Gis And Remote Sensing Data	SHAHRUL ANUAR MOHD SAH	Universiti Sains Malaysia	AGRICULTURE
788	A Proposal For A Better And Effective Treatment Method Against Gastrointestinal Worm Infection In Goat And Sheep Industries Via Immunization Trials Using Recombinant Haemonchus Cathepsin L Protease (Hc-CPL-1)	Abd. Wahab bin A. Rahman	Universiti Sains Malaysia	AGRICULTURE
789	Enhancing The Production Of African Catfish (Clarias Gariepinus) Through The Use Of Probiotic Bacteria.	Roshada binti Hashim	Universiti Sains Malaysia	AGRICULTURE



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790	"Cold Hydrolysis" Of Raw Granular Starch To Fermentable Sugars At Sub-Gelatinization Temperature Using A Novel Amylolytic Enzyme: Elucidation Of Mechanisms	Abd Karim Alias	Universiti Sains Malaysia	AGRICULTURE
791	Immunisation Studies Of Tilapia Fish Against The Ciliated Protozoan Parasite, Ichthyophthirius Multifiliis Using Recombinant Immobilisation Antigen (I-Antigen) Protein	Zary Shariman bin Yahaya	Universiti Sains Malaysia	AGRICULTURE
792	Molecular Characterisation And Phylogenetics Of Fusarium Solani Species Complex From Economically Important Crops In Malaysia	Latiffah Zakaria	Universiti Sains Malaysia	AGRICULTURE
793	Microbiological Safety Of Freshwater Fish, Telapia (Telapia Mossambica) And Cat Fish (Clarias Gariepinus) Fed With Poultry Carcasses And Offal's	Gulam Rusul bin Rahmat Ali	Universiti Sains Malaysia	AGRICULTURE
794	Isolation, Characterisation And Evaluation Of Antimicrobial Activity Of Selected Malaysian Herbs For Food Preservation	Rosma Ahmad	Universiti Sains Malaysia	AGRICULTURE
795	Isolation Of Local Nitrogen Fixing Bacterial Symbiont For Application Of Covercrop Mucuna Bracteata As A "Green Manure"	Amir Hamzah bin Ahmad Ghazali	Universiti Sains Malaysia	AGRICULTURE
796	Application of molecular markers to the management of wild and cultured populations of cockles, Anadara granosa	Siti Azizah binti Mohd Nor	Universiti Sains Malaysia	AGRICULTURE
797	Development Of Microwave-Spray Drying Technology For Production Of Heat Sensative Food Products (Mangoes Powder).	Adnan bin Ripin	Universiti Teknologi Malaysia	AGRICULTURE
798	A New Computerized And Automated Grading System For Fresh Fruit Bunches (Ffb) In Palm Oil Mill	Ahmed Jaffar	Universiti Teknologi MARA	AGRICULTURE
799	Development Of Empirical Formula To Predict The Fire Resistance Of Structural Wood Column.	Fazril Ideris	Universiti Tenaga Nasional	AGRICULTURE
800	Screening for beneficial endophytes from various host species for the management of Fusarium wilt of banana	Adeline Ting Su Yien	Universiti Tunku Abdul Rahman	AGRICULTURE

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801	Development of an optimal dehydration technique in minimizing the degradation of antioxidant polyphenols in cocoa during post-harvesting process	Law Chung Lim	University of Nottingham Malaysia Campus	AGRICULTURE
802	Anthelmintic Resistance And Helminth Control In Small Ruminants In Malaysia: Evaluation Of The FECRT, Drenchrite And FAMACHA Methods	Chandrawathani Panchadcharam	Veterinary Research Institute	AGRICULTURE
803	Evaluation Of Anthelmintic Effect Of Cassava (Manihot Esculenta) On Sheep	Chandrawathani Panchadcharam	Veterinary Research Institute	AGRICULTURE
804	Evaluation Of Tourism Potential In Sabah Forest Reserves Using Gis (Geographic Information System)	Anuar Bin Mohammad	Jabatan Perhutanan Sabah	S&T CORE
805	Determination Of Environment Quality Indicators Of Intensively Cultivated Rice Areas	Suhaimi Othman	Malaysian Agricultural Research & Development Institute	S&T CORE
806	Development Of Thermoluminescence Dosimeter (Tld) Using Nano-Size Dopant Material	Wan Saffiey Wan Abdullah	Malaysian Nuclear Agency	S&T CORE
807	Establish Radiation Safety Protocol/Procedure On Using The Diathermy Machines.	Rozaimah Abdul Rahim	Malaysian Nuclear Agency	S&T CORE
808	Malaysian Business Investment In China: An In-Depth Study Into The Challenges And Key Success Factors	Chew Yin Teng	Monash University Sunway Campus Malaysia	S&T CORE
809	Regaining Competitive Advantage in the Automobile Industry through Free Trade Agreements	Chew Yin Teng	Monash University Sunway Campus Malaysia	S&T CORE
810	Management of Plant Tissue Culture Production Using Radio Frequency Identification (RFID) Technology	Tan Kim Geok	Multimedia University	S&T CORE
811	Analysis Of Volatile Fruit Scent Constituents Of Bat-Dispersed Figs (Ficus Spp)	Zubaid Akbar bin Mukhtar Ahmad	Universiti Kebangsaan Malaysia	S&T CORE

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812	Habitat Classification And Mapping Towards Sustainable Development Of Ecotourism At Tasik Chini Watershed, Pahang.	WAN JULIANA WAN AHMAD	Universiti Kebangsaan Malaysia	S&T CORE
813	Developing Normative Data Of Visual Evoked Potentials For Malaysian Population And Its Application.	Zainora binti Mohammed	Universiti Kebangsaan Malaysia	S&T CORE
814	Assessment On Ecosystem Changes And Landuse Pattern On Selected Highland Areas In Malaysia	JUMAAT HAJI ADAM	Universiti Kebangsaan Malaysia	S&T CORE
815	Genotype-Phenotype Correlation In Thalassaemia: Towards Development Of A Lab-On-A-Chip For Diagnosis And Prognostication	A. Rahman bin A. Jamal	Universiti Kebangsaan Malaysia	S&T CORE
816	Laboratory And Field Studies Of Sirih Lada(Piper Aduncum)Extract And Household Spacespray For Controlling Dengue Vectors	Sallehudin bin Sulaiman	Universiti Kebangsaan Malaysia	S&T CORE
817	Dietary Fats, Interesterification And Postprandial Lipaemia	Tilakavati Karupaiah	Universiti Kebangsaan Malaysia	S&T CORE
818	Body Composition, Energy Expenditure And Their Relationship With Metabolic Syndrome Indicators In Normal And Obese Malaysian Children	Poh Bee Koon	Universiti Kebangsaan Malaysia	S&T CORE
819	Improving Reading Ability Of Dyslexic Children In Malaysia Using Low Vision Aids	Rokiah binti Omar	Universiti Kebangsaan Malaysia	S&T CORE
820	Development Of Condition Rating Procedure Of Integral Bridge	Roszilah binti Hamid	Universiti Kebangsaan Malaysia	S&T CORE
821	Development Of Malaysian Drivers' Profile For Accident Prevention And Intervention	Rozmi bin Ismail	Universiti Kebangsaan Malaysia	S&T CORE
822	Quantifying The Economic Impacts Of Different Blends Of Biodiesel Production On The Diesel And Agriculture Markets, And The Environment	Abdul Hamid bin Jaafar	Universiti Kebangsaan Malaysia	S&T CORE

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823	Development Of A Tool For Benchmarking Implementation In Manufacturing Smes	Baba bin Md Deros	Universiti Kebangsaan Malaysia	S&T CORE
824	Kajian Pembentukan Indeks Keefisienan Bandaraya Utama Semenanjung Malaysia	HAMZAH BIN JUSOH	Universiti Kebangsaan Malaysia	S&T CORE
825	Corporate Finance Behaviour: Towards Key Financial Performance Index (KFPI) Of Malaysian Firms	Fauzias binti Mat Nor	Universiti Kebangsaan Malaysia	S&T CORE
826	Pemindahan Kepakaran (Pengetahuan) Kepada Pekerja Mahir Bumiputera Di Industri Berteknologi Tinggi (Technopole) Cyberjaya, Taman Teknologikum High Tech	Abd. Hair bin Awang	Universiti Kebangsaan Malaysia	S&T CORE
827	The Maturation Of Central Auditory System And Its Relationship With Speech Perception Performance In Children With Cochlear Implants	Siti Zamratol-Mai Sarah	Universiti Kebangsaan Malaysia	S&T CORE
828	Chemical Modifications Of Filler-Matrix Interface In Thermoplastic Wood Composites	Ibrahim Abdullah	Universiti Kebangsaan Malaysia	S&T CORE
829	Risk Factors And Development Of Myopia In Urban And Rural Schoolchildren	Norhani binti Mohidin	Universiti Kebangsaan Malaysia	S&T CORE
830	Factors Affecting Auditory Performance Of Severely And Profoundly Hearing-Impaired Children Following Cochlear Implantation	Cila Umat	Universiti Kebangsaan Malaysia	S&T CORE
831	A Biomechanical Model Of School Children's Walking Posture: The Effects Of Load Carriage (School Backpack).	Azmin Sham binti Haji Rambely	Universiti Kebangsaan Malaysia	S&T CORE
832	Enhanced Bioremediation By Microbial Consortia In Areas Contaminated With Petroleum Hydrocarbon Waste	Salmijah binti Surif	Universiti Kebangsaan Malaysia	S&T CORE
833	Automated Biomonitoring For Monitoring Freshwater Pollution	Mohammad Shuhaimi Bin Othman	Universiti Kebangsaan Malaysia	S&T CORE

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834	Application of Actuarial Models in Assessing the Feasibility of Insurance Pricing	Noriszura Ismail	Universiti Kebangsaan Malaysia	S&T CORE
835	Towards a taxonomy of personality descriptors in Malay: A psycho-lexical study	Khairul Anwar Mastor	Universiti Kebangsaan Malaysia	S&T CORE
836	Development Of Risk Models And Management Strategies For Oral Cancer Patients	Rosnah binti Mohd Zain	Universiti Malaya	S&T CORE
837	Novel Strategies For Complex Indole And Lactam Formation Via Radical Cations;Towards A Synthesis Of Molecules Related To Isoeburnamine, From Malaysian H. Zeylanica, And Rhazinilam, From Malaysian Kopsia.	Noel Francis Thomas	Universiti Malaya	S&T CORE
838	Synthesis, Kinetics And Mechanism Of Homogeneous Catalysis In Organic Reactions Which Are Model To Enzyme Catalyzed Reactions	Azhar bin Ariffin	Universiti Malaya	S&T CORE
839	Assessing Knowledge, Attitude And Perceptions Of School Female Adolescents About Dysmenorrhea And Premenstrual Syndrome In Federal Territory Kuala Lumpur	Wong Li Ping	Universiti Malaya	S&T CORE
840	Pharmacogenomics Of Beta2-Adrenoceptor In Malaysian Asthmatics	Vijaya Lechimi Raj a/p T. M. Rajagopal	Universiti Malaya	S&T CORE
841	Development Of Mixture Models And Their Statistical Inference For Applications In Finance And Industry	Ong Seng Huat	Universiti Malaya	S&T CORE
842	Discrete Problems In Mathematics	Chia Gek Ling	Universiti Malaya	S&T CORE
843	Narrating Historical Change In Malaysia Through Maps: Different Perceptions	Danny Wong Tze Ken	Universiti Malaya	S&T CORE
844	The Thermal Comfort Study In Malaysian Hospitals	Yau Yat Huang	Universiti Malaya	S&T CORE

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845	A Shearographic Interferometer For Foot Pressure Distribution Measurement	Kwek Kuan Hiang	Universiti Malaya	S&T CORE
846	Development Of Knowledge-Based Information On The Major Export Market Potentials For Differentiated, Value-Added Halal Food Products From Malaysia	Pazim @ Fadzim Othman	Universiti Malaya	S&T CORE
847	Pelaksanaan Penerapan Nilai-Nilai Islam Dan Pendekatan Islam Hadhari: Kesannya Ke Atas Penghayatan Islam Di Kalangan Masyarakat Melayu, 1982-2006	Mohammad Redzuan Othman	Universiti Malaya	S&T CORE
848	Role Of Stochastic Fluctuations On Charge-Exchange Dynamics In Low Temperature Radio-Frequency (Rf) Dusty Plasma	Sithi Vinayakam Muniandy	Universiti Malaya	S&T CORE
849	Application Of Material Flow Analysis (Mfa) For Decision Support Tool For Planning And Sustainable Regional Solid Waste Management	Noor Zalina Mahmood	Universiti Malaya	S&T CORE
850	An Application Of Global Project Learning System (Gpls) For Value-Added Construction Projects	Hamzah Abdul Rahman	Universiti Malaya	S&T CORE
851	Helminth Infection And Asthma In The Orang Asli Communities	Yvonne Lim Ai Lian	Universiti Malaya	S&T CORE
852	Development Of Selective Non-Catalytic Reduction System To Control Nox Pollution In Bio-Fuel Combustion System	Mohamad Shaiful Ashrul b. Ishak	Universiti Malaysia Perlis	S&T CORE
853	Fluid Dynamics Simulation And Optical Visualization Correlation In Micron-Sized Channels	Zaliman bin Sauli	Universiti Malaysia Perlis	S&T CORE
854	Effects of Total Dose Irradiation on Semiconductor Devices	Haider F. Abdul Amir	Universiti Malaysia Sabah	S&T CORE
855	Development and Performance Evaluation of a Phase Separator with Inclined Multiple Angles Parallel Arc Coalescence Plates.	Law Puong Ling	Universiti Malaysia Sarawak	S&T CORE

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856	Performance of a Dielectric Barrier Discharge Plasma Actuator and Flow Simulations	Andrew R.H. Rigit	Universiti Malaysia Sarawak	S&T CORE
857	Dyslexia Among Undergraduates In Local Public And Private Universities: A Mixed-Method Study Of Prevalence, Academic Performances, Academic Difficulties And Self-Coping Strategies	Ong Puay Hoon	Universiti Malaysia Sarawak	S&T CORE
858	Carrying Capacities Of Estuaries For Aquaculture Industry	Ling Teck Yee	Universiti Malaysia Sarawak	S&T CORE
859	A Trickling Filter with Spherical Hollow Perforated Plastic Medium in Hexagonal Closest Packed (HCP) Arrangement.	Law Puong Ling	Universiti Malaysia Sarawak	S&T CORE
860	Design And Fabricate Portable Bridge System Using Composite Material	Norazman bin Mohamad Nor	Universiti Pertahanan Nasional Malaysia	S&T CORE
861	Isolation And Identification Of Bioactive Saponins From Xerospermum Noronhianum, A Malaysian Sapindaceae	Khozirah binti Shaari	Universiti Putra Malaysia	S&T CORE
862	Utilization Of Bioactive Constituents From Spermacoce Articularis And Spermacoce Exilis	Mohd Aspollah Hj Sukari	Universiti Putra Malaysia	S&T CORE
863	Green Technology : Development Of Biocoating Materials Of Wax Esters For Wood Based Industries	MOHD BASYARUDDIN BIN ABDUL RAHMAN	Universiti Putra Malaysia	S&T CORE
864	Generalizations Of Lindelöf Properties In Bitopological Spaces	Kamel Ariffin bin Mohd Atan	Universiti Putra Malaysia	S&T CORE
865	Efficacy Of Soy Isoflavones On Bone Mineral Density In Premenopausal Women In The Klang Valley	Zaitun binti Yassin	Universiti Putra Malaysia	S&T CORE
866	Malaysian Farmers Mental Models And How They Influence Development Of New Knowledge And Skills	Azimi bin Hj Hamzah	Universiti Putra Malaysia	S&T CORE

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867	Constraints And Challenges In Strategizing Agricultural Technology Delivery To Farmers: Developing A Participatory Technology Transfer Model	Azimi bin Hj Hamzah	Universiti Putra Malaysia	S&T CORE
868	Characterization Of Fatty Acid Methyl Ester (Fame) Signatures In Escherichia Coli O157 To Develop A Rapid Detection Technique/Kit	Goh Yong Meng	Universiti Putra Malaysia	S&T CORE
869	Development And Evaluation Of Biomaterials From Bovine Pericardium And Tunica Vaginalis For The Repair Of Abdominal Wall Defect In Animal Model	Md Zuki bin Abu Bakar @ Zakaria	Universiti Putra Malaysia	S&T CORE
870	Development Of Fermentation Process For Hyaluronic Acid Production By Streptococcus Spp Using Stirred Tank Bioreactor	ROSFARIZAN BINTI MOHAMAD	Universiti Putra Malaysia	S&T CORE
871	Development Of Post Slaughter Carcass Electrical Stimulation Technique To Produce "Electro-Tender" And Enhanced Quality Halal Meat Of Different Major Skeletal Muscles In Cattle	Awis Qurni bin Sazili	Universiti Putra Malaysia	S&T CORE
872	Utilization Of Underutilized Oil Palm Trunk From Plantation Waste For High-Performance Solid Wood Material	Edi Suhaimi Bakar	Universiti Putra Malaysia	S&T CORE
873	Exploring The Foundation Of Human-Wildlife Relationship In Malaysia	Manohar Mariapan	Universiti Putra Malaysia	S&T CORE
874	Mobilizing E-Community For Inculcating First Class Mentality	Musa Abu Hassan	Universiti Putra Malaysia	S&T CORE
875	Gis: Perancangan Sosial Perkhidmatan Keluarga Dan Masyarakat (Social Planning In Family And Community Services)	Zumilah Zainalaludin	Universiti Putra Malaysia	S&T CORE
876	Determinants Of Childhood Obesity: Influence Of Family And Social Environment	Shamarina Shohaimi	Universiti Putra Malaysia	S&T CORE
877	Mental Strength Profile Of Malaysian Football Players'	Mohd Sofian bin Omar Fauzee	Universiti Putra Malaysia	S&T CORE



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878	Attitude Towards Exercise Among School Teachers In Malaysia	Mohd Sofian bin Omar Fauzee	Universiti Putra Malaysia	S&T CORE
879	Slope Stabilization Using Bioengineering (Live Pole) Technique	Bujang bin Kim Huat	Universiti Putra Malaysia	S&T CORE
880	Design Of Impeller For Improvement Of Oxygen Transfer In Stirred Tank Bioreactor For Shear-Sensitive Biological Systems	Arbakariya bin Ariff	Universiti Putra Malaysia	S&T CORE
881	Improvement Of Raw Materials From Underutilised Timber Species Through Chemical And Densification Treatments For Value Added Laminated Products	Zaidon bin Ashaari	Universiti Putra Malaysia	S&T CORE
882	Sustainability Index Of The Malaysian Agriculture: The Case Of Rice Production	Mad Nasir Shamsudin	Universiti Putra Malaysia	S&T CORE
883	Application Of Fecal Sterols In Investigating Fecal Pollution In Major Klang Valley Rivers And Estuaries	Mohamad Pauzi Zakaria	Universiti Putra Malaysia	S&T CORE
884	Teaching of Local Traditional Music Instrument in Secondary School: An Experiment from the aspects of Viability of Instrument, Cultural Familiarities and Teaching Approach using Sape, Er-hu and Gendang	Chan Cheong Jan	Universiti Putra Malaysia	S&T CORE
885	Creation of Entrepreneurs: Analysis of psychological attributes and entrepreneurial self-efficacy among vocational and technical education students	ZAIDATOL AKMALIAH LOPE PIHIE	Universiti Putra Malaysia	S&T CORE
886	Assessment of community exposure to pesticide in the paddy growing areas of Sekinchan, Selangor.	Tengku Hanidza binti Tengku Ismail	Universiti Putra Malaysia	S&T CORE
887	The Formation Of Inter-Ethnic Perceptions And Their Impact On Ethnic Relations In Malaysia	Lee Yok Fee	Universiti Putra Malaysia	S&T CORE
888	Dropout Prevention Practices of " Turned Around " At-Risk Secondary Schools	Sharifah Binti Md Nor	Universiti Putra Malaysia	S&T CORE

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889	The Evaluation of Reading and Literacy Intervention Programme For Early Schoolers	Rahil binti Hj Mahyuddin	Universiti Putra Malaysia	S&T CORE
890	Daripada Dilema Anak Dewasa Menjaga Ibu Bapa Tua kepada Asas dan Strategi Perancangan Program Perkhidmatan Komuniti dan Sokongan Sosial	Rahim Md. Sail	Universiti Putra Malaysia	S&T CORE
891	Molecular epidemiology of community acquired methicillin resistant Staphylococcus aureus (CA-MRSA) and hospital acquired-MRSA (HA-MRSA) in Malaysia and the impact to health care.	Zamberi Sekawi	Universiti Putra Malaysia	S&T CORE
892	Characterising key features of student centred learning environments in Malaysian institutions of higher education: Its implication on the teaching-learning process	Wong Su Luan	Universiti Putra Malaysia	S&T CORE
893	Chemical Fingerprint Study Of Capsule Formulation : A Step Towards Halal Authentication For Capsule Dosage Form	Mohd Nizam Mordi	Universiti Sains Malaysia	S&T CORE
894	The Development Of Bio-Optical Sensor Multispectral Algorithms And System For Measuring Cell Freshness	Mohd Zubir bin Mat Jafri	Universiti Sains Malaysia	S&T CORE
895	Phytochemical Investigation And Biological Activity Evaluation Of Two Malaysian Plant For Their Medicinally And Modification Of Phytochemicals From These Plants.	Hasnah Osman	Universiti Sains Malaysia	S&T CORE
896	Development Of Microscale Chemistry Experimentation For Secondary Schools	Norita Mohamed	Universiti Sains Malaysia	S&T CORE
897	Quality Of Life In Children With Cancer	NORSARWANY BINTI MOHAMAD	Universiti Sains Malaysia	S&T CORE
898	Phenotypic-Genotypic Correlation Of Multiple Risk Factors In Neonatal Jaundice In Malaysian Babies	Van Rostenberghe Hans Luc Aster	Universiti Sains Malaysia	S&T CORE
899	A Study To Investigate The Effect Of Hormone Replacement Therapy And Commercially Available Vitamin E On Platelet Activation Markers As Determined By Flow Cytometry In Post-Menopausal Women.	Rosline Hassan	Universiti Sains Malaysia	S&T CORE

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900	A Study On The Genetic And Environmental Factors Associated With Non-Syndromic Cleft Lip And Palate (Nsclp) In Malay Population.	Saidi Jaafar	Universiti Sains Malaysia	S&T CORE
901	Applications Of Differential Subordination And Superordination To Functions Associated With The Generalized Hypergeometric Functions And The Multiplier Transform	Rosihan bin Mohamed Ali	Universiti Sains Malaysia	S&T CORE
902	Stream Fauna Diversity And Its Relationships To Heavy Metal Pollution In Sungai Pengkalan Chepa, Kelantan	ROHASLINEY HASHIM	Universiti Sains Malaysia	S&T CORE
903	Sense About Science: Enhancing Science Literacy And Conservation Among Secondary School Students In Malaysia	Ambigapathy Pandian	Universiti Sains Malaysia	S&T CORE
904	A Research To Assess Children's Number Sense As A Means Of Mathematical Thinking	Munirah binti Ghazali	Universiti Sains Malaysia	S&T CORE
905	Modelling Of Construction Firms Sustainability	Omar Osman	Universiti Sains Malaysia	S&T CORE
906	Taxonomy And Distribution Of Head Water Aquatic Macroinvertebrates In Catchment Areas And Implication On Their Habitats And Water Quality	Che Salmah Md Rawi	Universiti Sains Malaysia	S&T CORE
907	A Search For The MAP And The MAC Solutions With Mirror Symmetries Of The YMH Field Theory.	Rosy Teh Chooi Gim	Universiti Sains Malaysia	S&T CORE
908	Studies Of Smectic Phases In Antiferroelectric Liquid Crystal Systems	ONG LYE HOCK	Universiti Sains Malaysia	S&T CORE
909	Environmental Mapping Using Digital Camera Imagery Taken From Autopilot Aircraft	LIM HWEE SAN	Universiti Sains Malaysia	S&T CORE
910	Development Of Noise And Vibration Pollution Index For Construction Projects	Mohd Omar Ab. Kadir	Universiti Sains Malaysia	S&T CORE

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911	Urban Poverty: A Geographical Analysis Of The Relationship Between Retail Food Access And Socio-Economic Background, And Its Policy Implications	Narimah binti Samat	Universiti Sains Malaysia	S&T CORE
912	Low Cost Bio-Geomat For Erosion Control	Fauziah binti Ahmad	Universiti Sains Malaysia	S&T CORE
913	Developing An Educational Zero-Injury Environment Play Area For Preschool	Sharifah Norhaidah Syed Idrus	Universiti Sains Malaysia	S&T CORE
914	A Novel Natural Approach To Euclidean Tsp Engine For Manufacturing Application	NOR AZMAN BIN ABU	Universiti Teknikal Malaysia	S&T CORE
915	Entrepreneur Development Model For Manufacturing Sector Among Smes In Malaysia	Nor Ratna binti Masrom	Universiti Teknikal Malaysia	S&T CORE
916	Portable Biofuel Pulse Combustion Drying System	Mazlan Abdul Wahid	Universiti Teknologi Malaysia	S&T CORE
917	Development Of Agriculture-Based Surfactant To Improve Oil Recovery	Ahmad Kamal Idris	Universiti Teknologi Malaysia	S&T CORE
918	Development Of Intelligent Ukjk (Ujian Kecergasan Jasmani Kebangsaan) Fitness Test Laboratory And Training System For Malaysian Schools.	Abdul Hafidz bin Hj Omar	Universiti Teknologi Malaysia	S&T CORE
919	Development Of Design Criteria For Gross Pollutant Traps Of Surface Runoff From Small Scale Catchment	Norhan bin Abd Rahman	Universiti Teknologi Malaysia	S&T CORE
920	The Effect Of Edible Bird's Nest Extract On Chondrocytes Isolated From Osteoarthritic Articular Cartilage	Lee Ting Hun	Universiti Teknologi Malaysia	S&T CORE
921	Development Of A Simulation Model Of Traffic Operations At Signalised Junctions For The Improvements Of Traffic Signal Design Procedure And Elimination Of Dilemma Zone Problems	Othman bin Che Puan	Universiti Teknologi Malaysia	S&T CORE

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922	High Performance Temperature Prediction For Electronic System Using A Distributed Parallel Computer Systems.	Norma binti Alias	Universiti Teknologi Malaysia	S&T CORE
923	Effects Of Tocotrienol On The Molecular Pathogenesis Of Atherosclerosis And Genes Regulating Inflammation And Oxidative Stress.	Hapizah Mohd Nawawi	Universiti Teknologi MARA	S&T CORE
924	To Invent A State Of Art Technology On Web Based Hanyu Pinyin Instruction To Facilitate Self Learning Mandarin For Non Native Mandarin Learners.	LIM SOO GIAP	Universiti Teknologi MARA	S&T CORE
925	Physical Environment Conditions And Post Occupancy Evaluation (Poe) Of A Selected Non-Domestic Building In Malaysia	Norhati Ibrahim	Universiti Teknologi MARA	S&T CORE
926	Degradation of Soluble Elastin Films for the Detection of Proteases	Dzaraini Kamarun	Universiti Teknologi MARA	S&T CORE
927	Development Of Structural Life Assessment Software	Judha Purbolaksono	Universiti Tenaga Nasional	S&T CORE
928	The Development Of Online Recruitment Systems In Malaysia: Best Fit Approach.	Noor Awanis binti Muslim	Universiti Tenaga Nasional	S&T CORE
929	Mental Health Diagnostic Expert System: A Hybrid Implementation Of Rule-Based Reasoning And Fuzzy Logic	Hajar Mat Jani	Universiti Tenaga Nasional	S&T CORE
930	Integrated Probabilistic Approach In The Design Of Modern Power Distribution Network	Au Mau Teng	Universiti Tenaga Nasional	S&T CORE
931	Numerical And Experimental Investigation Of Lattice Boltzmann Method (LBM) For Turbomachinery Flow Applications.	Mohd Zamri bin Yusoff	Universiti Tenaga Nasional	S&T CORE
932	Ground Failure Induced By Earthquakes	Lee Choon Yong	Universiti Tenaga Nasional	S&T CORE

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933	Examining Factors Influencing The Intention To Outsource Strategic It Activities Offshore Using A Card-Sorting Methodology And The Theory Of Planned Behavior	Wong Siew Fan	Universiti Tunku Abdul Rahman	S&T CORE
934	Strategic Collaborative Success Factors And Sustainability Indicators Of Academia Industry Collaboration In Malaysia.	Yee Seow Voon, Angelina	Universiti Tunku Abdul Rahman	S&T CORE
935	Dye Removal Using Seaweeds	Wong Ching Lee	Universiti Tunku Abdul Rahman	S&T CORE