

No.	Project Title	Project Leader	Institution	Research Cluster
1	Novel Applications Of Document Comparison And Visualisation Technology	Wong Kuok Shoong	Malaysia University of Science and Technology	ICT
2	Developing A System Architecture For Implementing Complex Community-Based Road Safety Programs	Leong Choon Heng	Malaysia University of Science and Technology	ICT
3	Continuum Model For Wireless Network Teletraffic Analysis	Wong Kuok Shoong	Malaysia University of Science and Technology	ICT
4	Web Data Mediation Over Semantic Web Framework	Nor Adnan bin Yahaya	Malaysia University of Science and Technology	ICT
5	Bridging The Digital Divide In Rural Agricultural & Fishing Communities In Malaysia	Mahendhiran Nair	Monash University Sunway Campus Malaysia	ICT
6	S-Band Optical Amplifier	Mohd Ridzuan Mokhtar	Multimedia University	ICT
7	Secure Mobile-Internet Personal And Group Authentication Using Dynamic Handwritten Signature With Public Key Infrastructure	Ong Thian Song	Multimedia University	ICT
8	Development Of Content- And Semantics-Based Image Retrieval System For Medical Applications	Mohammad Faizal bin Ahmad Fauzi	Multimedia University	ICT
9	Design And Performance Analysis Of Ofdm Based Radio-Over-Fiber System	Mohamad Yusoff Bin Alias	Multimedia University	ICT
10	Dynamic Job Grouping-Based Scheduling For Grid Application	Nithiapidary Muthuvelu	Multimedia University	ICT
11	Multi-Wavelength Brillouin-Erbium Holey Fiber Laser	Zulfadzli Yusoff	Multimedia University	ICT

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12	Development Of An Automated Decision Support System For Diabetic Retinopathy Disease	C. Eswaran	Multimedia University	ICT
13	Automated Ontology Mapping And Merging For Learning Object Reusability	Kiu Ching Chieh	Multimedia University	ICT
14	Design Of An Efficient And Provable Secure Identity-Based Identification Scheme In The Standard Model	Heng Swee Huay	Multimedia University	ICT
15	Multi-Modal Human Computer Speech Interface	Chong Tze Yuang	Multimedia University	ICT
16	Development Of Interactive Surgical Planning And Analysis System	Wan Abdul Rahman Jauhari bin Wan Harun	SIRIM Berhad	ICT
17	Development Of Web Based Integrated Management System For Implementation Of Qms And Isms	Zalinda binti Haji Baharum	SIRIM Berhad	ICT
18	Hardware Implementation Of A Real Time Image Compression System For Next Generation Mobile Communications	Md. Mamun bin Ibne Reaz	Universiti Islam Antarabangsa Malaysia	ICT
19	Hardware Prototyping Of Fetal Heart Rate Monitoring System Using Artificial Intelligence	Muhammad Ibn Ibrahimy	Universiti Islam Antarabangsa Malaysia	ICT
20	Development Of Expert System For Flexible Pavement Design And Construction	Amiruddin Bin Ismail	Universiti Kebangsaan Malaysia	ICT
21	An Agent Based Rough Set Data Mining Tool	Azuraliza Abu Bakar	Universiti Kebangsaan Malaysia	ICT
22	Development Of An Intelligent Computer Vision System For Automatic Sorting Of Recyclable Metal And Paper Objects From Solid Waste	Hassan Basri	Universiti Kebangsaan Malaysia	ICT

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23	Vlsi Implementation Of Digital Baseband For Ultra-Wide-Band (Uwb) Communication Systems	Masuri bin Othman	Universiti Kebangsaan Malaysia	ICT
24	Formal Verification Of Security Properties Of Authentication Protocols	Zarina binti Shukur	Universiti Kebangsaan Malaysia	ICT
25	Natural Language Understanding Engine For English Essay Comprehension.	Tengku Mohd bin Tengku Sembok	Universiti Kebangsaan Malaysia	ICT
26	Development Of A Semantic Role Assignment Tool For The Automation Of Database Design	Nazlia binti Omar	Universiti Kebangsaan Malaysia	ICT
27	Location-Based Service For Public Transportation System	Norleyza Jailani	Universiti Kebangsaan Malaysia	ICT
28	Development Of Web Based User Interface Evaluation System	Azizah binti Jaafar	Universiti Kebangsaan Malaysia	ICT
29	Development Of Fuzzy Logic Control For Simultaneous Carbon And Nitrogen Removal In A High Capacity Treatment System Of A Partially Packed Biological Aerated Filter	Fatihah binti Suja'	Universiti Kebangsaan Malaysia	ICT
30	Development Of Error Analysis Marking Tool For Marking Esl Writing At Ihs	Saadiyah Darus	Universiti Kebangsaan Malaysia	ICT
31	Development Of A Virtual Reality Visualisation Laboratory To Build Virtual Worlds For Learning	Halimah Badioze Zaman	Universiti Kebangsaan Malaysia	ICT
32	Semantic Knowledge Extraction From Annotated Images	Shahrul Azman bin Mohd Noah	Universiti Kebangsaan Malaysia	ICT
33	Development Of An Advanced Multimedia In Special Education System For Learning Intervention	Halimah Badioze Zaman	Universiti Kebangsaan Malaysia	ICT

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34	The Development Of Semantic Search Engine For Malaysian Business Directory	Junaidah Mohamed Kassim	Universiti Kebangsaan Malaysia	ICT
35	Development Of Electronic Marketplace For Efficient Bidding In Wood-Based Products Industry	Muriati Mukhtar	Universiti Kebangsaan Malaysia	ICT
36	Development Of A Non-Invasive Bedside System For Endothelial Dysfunction Assessment	Mohd Syuhaimi Bin Ab. Rahman	Universiti Kebangsaan Malaysia	ICT
37	Development Of Jawi Optical Character Recognition System	Mohammad Faizul bin Nasrudin	Universiti Kebangsaan Malaysia	ICT
38	An Improvement Of Data Mining Process Using Agent	Zulaiha Ali Othman	Universiti Kebangsaan Malaysia	ICT
39	Developing A Web-Based Metacognitive Learning Strategies Courseware For Effective Learning In Hypermedia Environment	Saemah binti Rahman	Universiti Kebangsaan Malaysia	ICT
40	Development Of Advanced Traveller Information System	Riza Atiq Abdullah bin O.K. Rahmat	Universiti Kebangsaan Malaysia	ICT
41	Evaluation Of Exposure Parameters And Image Quality In Full Field Digital Mammography.	Kanaga Kumari Chelliah	Universiti Kebangsaan Malaysia	ICT
42	Development And Application Of Machine Learning Techniques To Biological Systems	Ishak bin Hashim	Universiti Kebangsaan Malaysia	ICT
43	The Development Of A Web-Based Ecological Assessment Of Childs' Readiness To School	Rohaty @ Norhatiah binti Hj. Mohd. Majzub	Universiti Kebangsaan Malaysia	ICT
44	Development Of Repository For Cardiac Data And Models	Fariza Hanum Bt Md Nasaruddin	Universiti Malaya	ICT

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45	Replication Framework In Collaborative Data Grid	Liew Chee Sun	Universiti Malaya	ICT
46	Persistence Framework Toolkit For Advanced And Legacy Application Systems Development And Integration	Lee Sai Peck	Universiti Malaya	ICT
47	Inter-Domain Qos Routing	Ling Teck Chaw	Universiti Malaya	ICT
48	A High Speed Gigabit Network Coprocessor Chip Design To Detect Polymorphic Internet Worm	Emran Mohd Tamil	Universiti Malaya	ICT
49	Development Of A Learning Environment With An Animated Pedagogical Agent Focusing On Primary School Students For Science Subject	Siti Salwah Salim	Universiti Malaya	ICT
50	Development Of Software For Online Application Of Advanced Process Control	Mohamed Azlan bin Hussain	Universiti Malaya	ICT
51	Detection Of Breast Tumors Based On Tissue Elasticity Measurement From B Mode Ultrasound Images	S. Anandan a/l Samugan @ Shanmugam	Universiti Malaya	ICT
52	Development Of Software For Malay Text-To-Speech Synthesis And Speech Recognition	Raja Noor Ainon Zabariah Raja Zainal Abidin	Universiti Malaya	ICT
53	Design Of Non-Invasive Systems To Measure Blood Sugar And Cholesterol	Raveendran a/l Paramesran	Universiti Malaya	ICT
54	Intelligent Information System For Infrastructure Management	Mokhtar Azizi Mohd. Din	Universiti Malaya	ICT
55	Development Of Transit System Modelling Based On Gis	Mokhtar Azizi Mohd. Din	Universiti Malaya	ICT

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56	Simulation Of The Fiber/Fluid Model Of The Heart Using Grid Computing	Woo Chaw Seng	Universiti Malaya	ICT
57	Development Of An Intelligent Prognostic System For Dengue Infections	Fatimah binti Ibrahim	Universiti Malaya	ICT
58	Improving Breast Cancer Management Delivery Through The Development Of A Comprehensive Data Management System And Survival Analysis.	Nur Aishah bt.Mohd Taib	Universiti Malaya	ICT
59	Microwave Imaging Using Microwave Indirect Holographic Imaging	Selvanathan s/o Narainasamy	Universiti Malaya	ICT
60	Summary-To-Summary Approach For Automated Comprehension Assessment	Mohd Sapiyan bin Baba	Universiti Malaya	ICT
61	Mobile-Based Mental-Skill Game Technology For Programming Course	Siti Hafizah binti Ab Hamid	Universiti Malaya	ICT
62	Content Based Image Retrieval In Hematology	Woo Chaw Seng	Universiti Malaya	ICT
63	Development Of Prototype Virtual Reality Dental Simulator With Force Feedback	Kenneth Sundaraj	Universiti Malaysia Perlis	ICT
64	Development Of Face Emotion Recognition Package Using Electroencephalogram And Vision System	MOHD SOFIAN BIN MOHAMMAD ROSBI	Universiti Malaysia Perlis	ICT
65	Design Of An Artificial Intelligent Diagnostic System For Tuberculosis Infection	Mohd Yusof bin Mashor	Universiti Malaysia Perlis	ICT
66	Design And Development Of Wireless Web Based Monitoring System Using 32 Bit Advance Embedded System And Gnu/Linux	R.Badlishah Ahmad	Universiti Malaysia Perlis	ICT

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67	Development Of A Bioinspired Optimization Algorithm For The Automatic Generation Of Multiple Distinct Behaviors In Simulated Mobile Robots	Jason Teo Tze Wi	Universiti Malaysia Sabah	ICT
68	Development Of Intelligent Agent For Online Auctions: Strategy For Bidders And Sellers	Patricia Anthony	Universiti Malaysia Sabah	ICT
69	Development Of An Intelligent Web-Based Tender Evaluation System	Noor Maizura Mohamad noor	Universiti Malaysia Terengganu	ICT
70	Development Of An Automatic Text Categorization Using Fuzzy Thesaurus Technique	Zailani Bin Abdullah	Universiti Malaysia Terengganu	ICT
71	Development Of An Online Distribution Of Artificial Reefs For East Cost Of Peninsular Malaysia By Using Spatial Data Approach	Mustafa Man	Universiti Malaysia Terengganu	ICT
72	Text Mining Techniques In Malay Natural Language Processing.	Masrah Azrifah Azmi Murad	Universiti Putra Malaysia	ICT
73	Event Reconstruction System For Digital Computer Forensics	Ramlan Mahmud	Universiti Putra Malaysia	ICT
74	Comparison Of Instructional Efficiency Of Dynamic Softwares On Mathematics Learning At The Secondary Level	Rohani Ahmad Tarmizi	Universiti Putra Malaysia	ICT
75	Wireless Adhoc And Sensor Optimization Tool For Network Reconfiguration	Shamala Subramanian	Universiti Putra Malaysia	ICT
76	Design And Development Of Intelligent Machine Vision System For Agriculture (Oil Palm)	Wan Ishak bin Wan Ismail	Universiti Putra Malaysia	ICT
77	Distributed Embedded System Of Multimedia Applications For Ubiquitous Home Entertainment	Abd. Rahman bin Ramli	Universiti Putra Malaysia	ICT

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78	Development Of An Early Warning System For Monitoring Water Catchment	Zailani Khuzaimah	Universiti Putra Malaysia	ICT
79	Developing A Connector Based Extraction Model For Relation Extraction In A Knowledge Management System	Jamaliah Abd Hamid	Universiti Putra Malaysia	ICT
80	Ubiquitous Pond Sensing For Proactive And Precision Aquaculture Farming	Mohd Fadlee A Rasid	Universiti Putra Malaysia	ICT
81	Collaborative Knowledge Management In Mobile Computing Environment	Rusli Abdullah	Universiti Putra Malaysia	ICT
82	Knowledge Management System In Bioinformatics With Collaborative Environment	Rusli Abdullah	Universiti Putra Malaysia	ICT
83	An Agent-Based Semantic Integrity Subsystem For Managing Mobile Databases Constraints	Hamidah binti Ibrahim	Universiti Putra Malaysia	ICT
84	Development Of A Multilingual Computer Based Interactive Program For Veterinary Thoracic Radiology	Heng Hock Gan	Universiti Putra Malaysia	ICT
85	Development Of Performance Analysis Software Specific To Badminton	Tengku Fadilah binti Tengku Kamalden	Universiti Putra Malaysia	ICT
86	Design Of Low Voltage Pipeline Analog To Digital Converter For Software Defined Radio Receiver	Sudhanshu Shekhar Jamuar	Universiti Putra Malaysia	ICT
87	Design And Development Of 3d Biometric Face Recognition System	Wan Azizun binti Wan Adnan	Universiti Putra Malaysia	ICT
88	Multi User Detection Using Parallel Interference Cancellation Strategy For Combined Code And Space Division Multiple Access Technique	Sabira Khatun	Universiti Putra Malaysia	ICT

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89	Elastic Image Registration For Land Movement Monitoring For Landslides Detection And Prediction	SITI KHAIRUNNIZA BEJO	Universiti Putra Malaysia	ICT
90	Development Of River Flow Estimator For Impact Of Landuse Changes	Mohd Amin bin Mohd Soom	Universiti Putra Malaysia	ICT
91	Weather Elements Detection And Removal In Robotic Vision	Mohammad Hamiruce bin Marhaban	Universiti Putra Malaysia	ICT
92	Access And Utilization Of Computers And The Internet Among Older Malaysians	Sharifah Norazizan binti Syed Abd Rashid	Universiti Putra Malaysia	ICT
93	Penggunaan Ict Di Kalangan Usahawan Asas Tani: Satu Pendekatan Ke Arah Pembentukan Petani Berpengetahuan (K-Farmer)	Md. Salleh Hj. Hassan	Universiti Putra Malaysia	ICT
94	An Expert System For Selecting An Appropriate Solid Waste Treatment Technology	Latifah Binti Abd Manaf	Universiti Putra Malaysia	ICT
95	Success Strategies In The Knowledge-Based And Innovation. Economy: A Critical Appraisal Of National And Organizational Initiatives Using Structural And Complexity Methodologies	Han Chun Kwong	Universiti Putra Malaysia	ICT
96	Update Strategies To Maintain Replica Consistency In Data Grid	Ali bin Mamat	Universiti Putra Malaysia	ICT
97	A Musical Search Engine For Malaysian Musical Genres	Shyamala a/p C.Doraisamy	Universiti Putra Malaysia	ICT
98	An Effective Content-Based Image Retrieval Through Improved Sub-Block Technique.	Fatimah binti Dato Ahmad	Universiti Putra Malaysia	ICT
99	New Component Model For Composition In Both Design And Deployment Phase	Mohd Hasan Bin Selamat	Universiti Putra Malaysia	ICT

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100	A New Block Cipher Algorithm	Zaiton bt. Muda	Universiti Putra Malaysia	ICT
101	Quantum Computing For The System Of Qutrits In Small World Networks.	Zuriati Ahmad Zukarnain	Universiti Putra Malaysia	ICT
102	Development Of A Scalability Solution To Source Specific Multicast For Mobile Ipv6	Mohd Adzir Mahdi	Universiti Putra Malaysia	ICT
103	Security Enhancement Of Mobile Ipv6 Route Optimization	Raja Syamsul Azmir Bin Raja Abdullah	Universiti Putra Malaysia	ICT
104	Imaging Through Human Body Using Ultra-Wideband (Ithbu)	Sabira Khatun	Universiti Putra Malaysia	ICT
105	Managing And Mining Audio With/Without Texts	Shyamala a/p C.Doraisamy	Universiti Putra Malaysia	ICT
106	A Novel Coding And Modulation Technique For Ofdm System Performance Enhancement	Nor Kamariah Noordin	Universiti Putra Malaysia	ICT
107	Development Of Land Use Cumulative Index (Luci) For River Water Quality Management	Mohd Kamil bin Yusoff	Universiti Putra Malaysia	ICT
108	Innovating Automatic Essay Scoring (Aes) In Malaysian Public Examinations	Tan Bee Hoon	Universiti Putra Malaysia	ICT
109	Improved Forest Mapping And Classification Of Tropical Tree Species Using Remote Sensing And Gis Technology	MOHD HASMADI ISMAIL	Universiti Putra Malaysia	ICT
110	Construction Of Ontology-Based Multilingual Sense Dictionary For Supporting Online Wsd Service And Sense Dictionary Look-Up	Chuah Choy Kim	Universiti Sains Malaysia	ICT

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111	The Virtual Reality And Artificial Intelligence-Based Pedagogical Agent In Constructivist E-Learning System	Hanafi bin Atan	Universiti Sains Malaysia	ICT
112	The Development Of A Clinical Linguistic Decision Support System For The Differential Diagnosis Of Child Language Disorders Using Artificial Neural Network (Anns) And Digital Brain Atlas	Rozaida Abdul Rauf	Universiti Sains Malaysia	ICT
113	Voice-Enable Automatic Question Answering System	Ranaivo Balisoamanandray	Universiti Sains Malaysia	ICT
114	Development And Application Of An Intelligent Multimodal System Integrated With An Information Repository For Support Of Medical Decision Making	Lim Chee Peng	Universiti Sains Malaysia	ICT
115	Information Integration And Representation For Business Intelligence	Vincent Khoo Kay Teong	Universiti Sains Malaysia	ICT
116	Improving Performance Of Unidirectional Link (Udl) Mesh Network Via Header Compression Scheme	Wan Tat Chee	Universiti Sains Malaysia	ICT
117	Parallel Stream Cipher Cryptosystem Based On Np-Hard Problem (Psc)	Azman Bin Samsudin	Universiti Sains Malaysia	ICT
118	A Hybrid (Neural Network And Fuzzy Logic) Approach For A Better Intrusion Detection System (Ids) Architecture To Counter Intrusion, Espionage, And Cyber-Warfare.	Aman Jantan	Universiti Sains Malaysia	ICT
119	The Design And Development Of A Web-Based Open Source Geographical Information System (Gis) As Teaching Tools In Promoting Spatial Thinking/Skills In Secondary School Education.	Ruslan bin Rainis	Universiti Sains Malaysia	ICT
120	Automatic 3d Landmarks Detection And Placement On Craniofacial Data	Bahari Belaton	Universiti Sains Malaysia	ICT
121	Parallel Sequence Alignment And Clustering Algorithms For Sequence Analyses Of Fish Species	Nur 'Aini binti Abdul Rashid	Universiti Sains Malaysia	ICT

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122	A Tutor-Based Software Visualisation Approach (Tubvis) In A Reverse Engineering Environment	Shahida Binti Sulaiman	Universiti Sains Malaysia	ICT
123	Texture Analysis For Computer Vision	Ong Hong Choon	Universiti Sains Malaysia	ICT
124	Development Of A Web Front End To The Grid For Resource Sharing, Image Analysis And Visualization	Mandava Rajeswari	Universiti Sains Malaysia	ICT
125	The Development Of Visual Data Mining Tool For Medical Data	Hasimah binti Hj. Mohamed	Universiti Sains Malaysia	ICT
126	Development Of Watermarking Algorithms To Enhance Security Feature Of Medical Images	Khoo Bee Ee	Universiti Sains Malaysia	ICT
127	Development Of A Software Fault Injection Tool To Ensure Dependability Of Commercial-Off-The-Shelf Components (Cots) For Embedded System Applications	Kamal Zuhairi Bin Zamli	Universiti Sains Malaysia	ICT
128	Feature Extraction From Engineering Drawing Images For The Purpose Of Segmentation	Abdullah Zawawi bin Haji Talib	Universiti Sains Malaysia	ICT
129	A Portal Of An Integrated Molecular Structure Database Of Antimicrobial Components From Natural Resources	Wahidah binti Husain	Universiti Sains Malaysia	ICT
130	Development Of Electropalatograph (Epg) Artificial Palate For Speech Therapy Of Cleft Lip And Palate Children	SITI NOOR FAZLIAH BINTI MOHD NOOR	Universiti Sains Malaysia	ICT
131	Parallelisation Of Protein Sequence Comparison Algorithms Using Hybridised Parallel Techniques	Rosni binti Abdullah @ Mustafa	Universiti Sains Malaysia	ICT
132	Segmentation And 3d-Visualization Of Tumour From 2d Computed Tomography Datasets	Dhanesh Ramachandram	Universiti Sains Malaysia	ICT

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133	Video Conferencing Over Wireless Network	ROSTAH IDRUS	Universiti Sains Malaysia	ICT
134	Enhancing File Transfer Algorithm For Real-Time Document Conferencing	AZLAN OSMAN	Universiti Sains Malaysia	ICT
135	Secure Multimedia Conferencing System Over Wan	RAHMAT BUDIARTO	Universiti Sains Malaysia	ICT
136	The Development Of Distributed – Interoperable Geographical Information Systems (Gis) Application	Shahrin Sahib	Universiti Teknikal Malaysia	ICT
137	Framework For Component-Based Software Engineering Of Embedded Software In Resource Constrained Real-Time Systems	Dayang Norhayati Abang Jawawi	Universiti Teknologi Malaysia	ICT
138	Depth Dependence Of Swim Bladder Target Strength For One Finlet Scad, Round Scad And Indian Mackerel	Jafri bin Din	Universiti Teknologi Malaysia	ICT
139	The Development Of Integrated Planning And Scheduling Framework For Dynamic And Reactive Environment Of Complex Manufacturing Problem	Zalmiyah binti Zakaria	Universiti Teknologi Malaysia	ICT
140	Design And Development Of Fractal Antenna For Ultra High Frequency Band Application	Mohamad Kamal bin Abdul Rahim	Universiti Teknologi Malaysia	ICT
141	Electromagnetic Band-Gaps Structure In Microwave Device Design	Mohamad Kamal bin Abdul Rahim	Universiti Teknologi Malaysia	ICT
142	Adaptive Software Architecture For Radio Frequency Identification (Rfid) Middleware	Siti Zaiton Mohd Hashim	Universiti Teknologi Malaysia	ICT
143	Development And Evaluation Of Reusable Rfid Software Components	Wan Mohd Nasir Wan Kadir	Universiti Teknologi Malaysia	ICT

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144	Bone Adaptation Algorithm For Pre-Operative Surgical Tool In Joint Arthroplasty.	Mohammed Rafiq bin Dato' Abdul Kadir	Universiti Teknologi Malaysia	ICT
145	The Development Of Classification Tool Using Intelligent Techniques For Cancer Disease Classification From Microarray Gene Expression Data	Safaai bin Deris	Universiti Teknologi Malaysia	ICT
146	Radio Frequency (Rf) Front-End Design Of Radio Access Point For Radio Over Fiber (Rof) Technology	Razali bin Ngah	Universiti Teknologi Malaysia	ICT
147	Photonics Frequency Conversion For Millimeterwave Radio Over Fiber System (Mmwrof)	SEVIA MAHDALIZA IDRUS	Universiti Teknologi Malaysia	ICT
148	Fpga-Based Space-Time Mimo-Ofdm Design For Wireless Lans	Nasir Shaikh Husin	Universiti Teknologi Malaysia	ICT
149	The Development Of Real-Time Rendering For Large-Scale 3d Virtual Heritage	Mohd Shahrizal bin Sunar	Universiti Teknologi Malaysia	ICT
150	Architecture Of R.F.I.D. System With Embedded Controllers For P.L.U.S. And P.L.K.N.	Ahmad Zuri bin Sha'ameri	Universiti Teknologi Malaysia	ICT
151	Development Of Smart Monitoring System (Ad Hoc Sensor Networks For River Pollution And Electric Discharge Monitoring)	Safaai bin Deris	Universiti Teknologi Malaysia	ICT
152	Development Of A Reference Model For Reusable Learning Objects Repository Of A Programming Education Learning System	Norsham bte Idris	Universiti Teknologi Malaysia	ICT
153	Artificial Life Neural Network Caching For Adaptive Hypermedia Learning System	Sarina binti Sulaiman	Universiti Teknologi Malaysia	ICT
154	Development Of Intelligent Tool For Rice Yield Prediction	Mohd Noor bin Md Sap	Universiti Teknologi Malaysia	ICT

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155	Development Of Intelligent 3d Solid Modeler Based On Artificial Intelligence Technique	Azlan bin Mohd. Zain	Universiti Teknologi Malaysia	ICT
156	Development Of Low Cost Enterprise Resource Planning Prototype System For Malaysian Small And Medium Industry Using Open Source Software.	Mohd. Salihin bin Ngadiman	Universiti Teknologi Malaysia	ICT
157	The Development Of Virtual Product Life Cycle Design Tool Using Artificial Intelligence Technique	Habibollah bin Haron	Universiti Teknologi Malaysia	ICT
158	Development Of High Usability And Secure Knowledge Based Authentication Technique Using Hybrid Graphical Password Scheme	Norafida	Universiti Teknologi Malaysia	ICT
159	Development Of Smart E-Form For Standard Malay Using Agent And Speech Technologies	Abd Manan bin Ahmad	Universiti Teknologi Malaysia	ICT
160	Development Of Secure Hybrid Networking Technology For Mobile Campus Community System	Kamalrulnizam bin Abu Bakar	Universiti Teknologi Malaysia	ICT
161	Intelligent Algorithm For Criterion-Based Dynamic Generation Of Test Questions	Norazah binti Yusof	Universiti Teknologi Malaysia	ICT
162	The Development Of Interactive Spatiotemporal Visualization Algorithm For 3d Surface Movement In Virtual Geographical Information System Application	Mohd Shafry bin Mohd Rahim	Universiti Teknologi Malaysia	ICT
163	Embedded Soc-Based Hardware Integration Of Compression-Encryption-Authentication For Data Security Of Networked Multi-Gigabyte Databases.	Mohamed Khalil bin Hj Mohd Hani	Universiti Teknologi Malaysia	ICT
164	Reconfigurable Ultra Wideband (Uwb) Antenna Design And Development	Tharek bin Abd Rahman	Universiti Teknologi Malaysia	ICT
165	Antenna Design Using Left-Handed Materials	Tharek bin Abd Rahman	Universiti Teknologi Malaysia	ICT

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166	Flow Regime Identification And Particle Sizing Investigation Of A Solids Conveying In Pneumatic Pipeline Using Electrostatic Sensors And Neural Network Techniques.	Mohd. Fua'ad bin Hj. Rahmat	Universiti Teknologi Malaysia	ICT
167	Development Of Phoneme Based Medium Vocabulary Malay Continuous Speech Recognition System	Rubita Sudirman	Universiti Teknologi Malaysia	ICT
168	Development Of Digital Optical Switch For All Optical Cross-Connect	ABU SAHMAH MOHD SUPA'AT	Universiti Teknologi Malaysia	ICT
169	Cooperative Intrusion Detection System For Grid Computing	Abdul Samad bin Haji Ismail	Universiti Teknologi Malaysia	ICT
170	Automation Of Dna Computing Readout Based On In Vitro-In Silico Processing Of Real-Time Polymerase Chain Reaction	Zuwairie Ibrahim	Universiti Teknologi Malaysia	ICT
171	Agent Based Language Identification Tools For Web Documents Using Machine Learning Algorithms	Ali Selamat	Universiti Teknologi Malaysia	ICT
172	Eeg-Based Brain-Computer Interface System To Control A Prototype Intelligent Wheelchair	Dr Salwani Mohd Daud	Universiti Teknologi Malaysia	ICT
173	Development Of Appoinment Scheduling Agent Using Distributed Constraint Satisfaction (Discs)	NURULHUDA FIRDAUS BT MOHD. AZMI	Universiti Teknologi Malaysia	ICT
174	Intelligent Graphology (Igrapho)	Azlinah Mohamed	Universiti Teknologi MARA	ICT
175	Engineering Affective Quality In E-Commerce Website	Nor Laila Md Noor	Universiti Teknologi MARA	ICT
176	Externalization Of Epistemic Community Tacit Knowledge For Batik Design Educational E-Gallery	Nor Laila Md Noor	Universiti Teknologi MARA	ICT

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177	Computer Assisted Diagnosis (Cadg) For Early Cancer Detection	MD SAION SALIKIN	Universiti Teknologi MARA	ICT
178	Economic Operation Of Power System Using Evolutionary Programming Optimisation Technique	TITIK KHAWA ABDUL RAHMAN	Universiti Teknologi MARA	ICT
179	Development Of Real-Time Thread Concurrency Controls For Cpu/Fpga Based Micro-Kernel	Razali Jidin	Universiti Tenaga Nasional	ICT
180	Application Of Electrical Impedance Tomography For Imaging In Bio-Medical And Materials Technology	Farrukh Nagi	Universiti Tenaga Nasional	ICT
181	Design And Development Of An Intelligent Automatic Signature Verification System	Sharifah Mumtazah Syed Ahmad	Universiti Tenaga Nasional	ICT
182	Generic Scheduling Algorithms For All-Optical Shared-Buffer Timeslot/Packet/Burst Switches	Liew Soung Yue	Universiti Tunku Abdul Rahman	ICT
183	Research And Development Of An Embedded Platform For Computer Vision Applications	Tay Yong Haur	Universiti Tunku Abdul Rahman	ICT
184	Development Of A Comprehensive Framework For Forensics Examination And Investigation Of Systemic Information Processes: A Research Study On Application Of Information Forensics On Development And Operation Of Bioinformatics Systems.	Elok Robert Tee	Universiti Tunku Abdul Rahman	ICT
185	Automated Hybrid Intelligent Agricultural Decision Support For Forecasting Weather And Palm Oil Production	Fadzilah binti Siraj	Universiti Utara Malaysia	ICT
186	Construction And Development Of Ematrix For Mobile And Multimedia Development Methodologies	Norshuhada Shiratuddin	Universiti Utara Malaysia	ICT

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187	Wireless Intelligent Incontinence Management System Using Smart Diapers For Elderly People And Children	Seng Kah Phooi	University of Nottingham Malaysia Campus	ICT
188	Comparison Of Global Genetic Alterations In Oral Squamous Cell Carcinoma From Different Sites Of The Oral Cavity - A Basis For Future Molecular Targeted Therapy	Cheong Sok Ching	Cancer Research Initiatives Foundation	BIOTECHNOLOGY
189	A Study Using Single Nucleotide Polymorphisms To Investigate The Association Between Low Penetrance Gene(S), And Risk To Breast Cancer In Malaysian High-Risk Breast Cancer Patients.	Eswary Thirthagiri	Cancer Research Initiatives Foundation	BIOTECHNOLOGY
190	Molecular Characterization Of Sago Palm (Metroxylon Sagu) Germplasm For Breeding Of High Yielding Varieties.	Bala anak Jamel	Craun Research Sdn. Bhd.	BIOTECHNOLOGY
191	Metabolic Control Analysis And Process Engineering Of Ethanol Production From Agricultural Products Using Extractive Fermentation Technology	Jobrun Nandong	Curtin Universiti of Technology Sarawak, Sarawak Campus, Malaysia	BIOTECHNOLOGY
192	Development Of Delayed Floral Gene Constructs Of Tectona Grandis For Superior Planting Materials	Norlia binti Basherudin	Forest Research Institute of Malaysia	BIOTECHNOLOGY
193	Phytochemical And Biological Evaluation Of Piper Muricatum Blume For Standardisation Towards Development Of Health Care Product	Fauziah Abdullah	Forest Research Institute of Malaysia	BIOTECHNOLOGY
194	Development Of Dna Barcode Of Neobalanocarpus Heimii (Chengal) As A Tool For Forensics And Chain Of Custody Certification	Lee Soon Leong	Forest Research Institute of Malaysia	BIOTECHNOLOGY
195	Biochemical And Biomechanical Pulping Of Oil Palm Empty Fruit Bunch And Frond Through Solid-State Fermentation With White-Rot Fungus Lentinus Sajor-Caju	Rushdan bin Ibrahim	Forest Research Institute of Malaysia	BIOTECHNOLOGY
196	Isolation And Characterization Of Genes Encoding For Lignolytic Enzymes From Selected White-Rot Fungi With Potential For Biopulping	Mohd. Rosli bin Haron	Forest Research Institute of Malaysia	BIOTECHNOLOGY
197	Exploratory Studies Of Actinomycete Biodiversity Of Frim Forests In Aid Of Drug Discovery	Getha d/o R. Krishnasamy	Forest Research Institute of Malaysia	BIOTECHNOLOGY

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198	Development Of Gene-Derived Dna Markers Of Shorea Leprosula Towards Tree Improvement And Conservation Of Dipterocarps	Kevin Ng Kit Siong	Forest Research Institute of Malaysia	BIOTECHNOLOGY
199	Evaluating The Effects Of Erythroxyllum Cuneatum Forma Cuneatum Kurz (Chinta Mula) In Morphine Addicted Rats.	Mohd Ilham bin Adenan	Forest Research Institute of Malaysia	BIOTECHNOLOGY
200	Identification Of Anti-Inflammatory Compound(S) From Prismatic Malayana; A Preliminary Study Towards Drug Development And Commercialisation.	Norhayati binti Abdullah	Forest Research Institute of Malaysia	BIOTECHNOLOGY
201	Mode Of Action Of Anti-Multi-Drug Resistance Staphylococcus Aureus (Mrsa) Study Of Senna Alata Linn By Using Proteomic Approach	Marzalina binti Mansor	Forest Research Institute of Malaysia	BIOTECHNOLOGY
202	Proteomic Assessments Of Bioactive Constituent From Selected Malaysian Plant Species With Anti- Breast Cancer And Anti-Ovarian Cancer Potentials.	Siti Syarifah Mohd Mutalip	Forest Research Institute of Malaysia	BIOTECHNOLOGY
203	Hot Spot Discovery In Mammalian Expression System: A Platform Technology Development For Increasing Recombinant Protein Production	Heilly Chong	Inno Biologics Sdn. Bhd.	BIOTECHNOLOGY
204	Increasing The Male To Female Ratio In Nile Tilapia (Oreochromis Niloticus) By Thermal Treatment And Selective Breeding For Sensitivity To The Treatment.	Azhar B. Hamzah	Institut Penyelidikan Perikanan	BIOTECHNOLOGY
205	Development Of Pcr Based Diagnostic Kit For The Detection Of Fish Viral Diseases In Cultured Marine Fish	Azila binti Abdullah	Institut Penyelidikan Perikanan	BIOTECHNOLOGY
206	Identification Of Fish Protozoan, Cryptocaryon Irritans Resistant Candidate Gene(S) In Sea Bass (Lates Calcarifer) Fingerlings	Kua Beng Chu	Institut Penyelidikan Perikanan	BIOTECHNOLOGY
207	To Investigate The Therapeutic Effect Of Recombinant Mouse Cytokines In Murine Breast Cancer Model	Ammu Kutty Chandrika a/p G.K. Radhakrishnan	International Medical University	BIOTECHNOLOGY
208	Elucidation Of Biochemical Mechanism Of Latex Vessel Plugging In Hevea Brasiliensis.	SITI ARIJA MAD ARIF	Lembaga Getah Malaysia	BIOTECHNOLOGY

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209	Enhanced Recombinant Pharmaceutical Production From The Transgenic Hevea By The Use Of Latex-Specific Promoters	Sunderasan Elumalai	Lembaga Getah Malaysia	BIOTECHNOLOGY
210	Development of a kit for rapid detection of cocoa (Theobroma cacao) clones resistant to the cocoa pod borer moth (Conopomorpha cramerella) 1. Proteomic analysis of pod development in resistant and susceptible cocoa clones	Azwan bin Awang	Lembaga Koko Malaysia	BIOTECHNOLOGY
211	Endophytic Entomopathogens To Control Cocoa Pod Borer	Douglas Bruce Furtek	Lembaga Koko Malaysia	BIOTECHNOLOGY
212	Development Of Rapid Immunoassay Test Kit For Nitrofurantoin And Chloramphenicol Antibiotic In Poultry Meat	Salmah binti Abdul Aziz	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY
213	Development Of Dna Probes For Rapid Detection Of Pathogenic E. Coli O157:H7 In Foods By Real Time Pcr	Suria binti Mohd Saad	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY
214	Development Of Test Strips Kit For The Rapid Detection Of Citrus Greening Disease	Lau Han Yih	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY
215	Development Of Virus Resistant Passion Fruit Varieties By Genetic Engineering: Cloning And Characterization Of Passionfruit Woodiness Virus Genes	Norliza Abu Bakar	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY
216	Development Of Transgenic Eksotika Papaya Resistant To Prsv: Transformation Using New Sets Of Gene Constructs.	Alizah binti Zainal	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY
217	Genetic Engineering Of Mt1 Tomato For Fruit Colour Improvement Using Carotenoid Biosynthesis Genes (Ggpps, Psy, Pds, And Zds).	Wee Chien Yeong	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY
218	Gene Expression Analysis Of Host Pathogen Interaction In Papaya Dieback Disease Using Sage Technology	Khairun Hisam bin Nasir	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY

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219	Expression Profiling Of Ripening-Related Genes In Papaya Using Cdna Microarray	Sew Yun Shin	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY
220	Identification Of Marker Compounds For Standardization Of Herbal Preparation From Selected Ficus Deltoidea (Mas Cotek) Accessions	Arif Zaidi bin Jusoh	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY
221	Development Of Sensor Technology For Detection Of Ripeness In Water Melon	Zamri bin Ishak	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY
222	Dna Fingerprinting Of Mardi Papaya Varieties Using Microsatellite Markers	Hayati binti Ahmad	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY
223	Enhancement Of Feeding Value Of Fodder And Crop Residue Silages For Ruminants Feeding Using Crop-Specific Bacterial Inoculants	Ghazali bin Hussin	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY
224	Incorporation And Evaluation On The Effectiveness Of High Yielding Qtls From Oryza Rufipogon Into Local High Quality Rice	Asfaliza binti Ramli	Malaysian Agricultural Research & Development Institute	BIOTECHNOLOGY
225	Developing A Molecular Kit In Detecting Legionella Pnuemophila In Clinical And Environmental Samples And The Study Of Oxidative Stress Of Legionella Spp.	Yong Foong Yee	Monash University Sunway Campus Malaysia	BIOTECHNOLOGY
226	Structural And Functional Analysis Of Fibroblast Activating Factor (Faf) From Porphyromonas Gingivalis, A Causative Agent For Destructive Periodontal Diseases	Song Keang Peng	Monash University Sunway Campus Malaysia	BIOTECHNOLOGY
227	Cloning And Direct Evolution Of β -Mannanase Gene Of T. Koniigi For Increase Thermostability	Hirzun Mohd Yusof	Sime Darby Technology Centre Sdn. Bhd.	BIOTECHNOLOGY
228	Optical Sensor For Determination Of Ammonia In Wastewater Leachate And Agriculture Industries	Jaafar Abdullah	SIRIM Berhad	BIOTECHNOLOGY

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229	Synthesis And Bioassay Of Peptides And Peptidomimetics For Cosmetics Use	Lim Chuan Gee	SIRIM Berhad	BIOTECHNOLOGY
230	Development Of Encapsulated Technology For Ammonia Degrader Microbes	Hasnah binti Mohd.Zin	SIRIM Berhad	BIOTECHNOLOGY
231	Coenzyme Q10 From Microbial Strains	Neelam binti Shahab	SIRIM Berhad	BIOTECHNOLOGY
232	Weight Loss Aid For Nutraceutical Applications From Tamarindus Indica L., Garcinia Xanthochymus Hook. F. And Hibiscus Sabdariffa	Puziah Hashim	SIRIM Berhad	BIOTECHNOLOGY
233	Digestive Protease From Fish: Isolation, Purification, Characterization And Expression	Lokman bin Shamsudin	Universiti Industri Selangor	BIOTECHNOLOGY
234	Development Of A Patentable Strain Of Arthrospira Platensis As A Nutritious Feed For Fish Larvae	Lokman bin Shamsudin	Universiti Industri Selangor	BIOTECHNOLOGY
235	Enhancing Reproduction, Growth And Quality Of Bivalves Through Biotechnology For Social Well Being	FATIMAH @ CORAZON BINTI ABDULLAH	Universiti Industri Selangor	BIOTECHNOLOGY
236	Bioconversion Of Rice Bran Into High Value Added Myo-Inositol Phosphate Intermediates With Anticancer Properties	Hamzah bin Mohd Salleh	Universiti Islam Antarabangsa Malaysia	BIOTECHNOLOGY
237	Improve Product Quantity Of Aromatase Inhibitor From Nicotiana Tabacum By Metabolic Engineering Techniques	Azura binti Amid	Universiti Islam Antarabangsa Malaysia	BIOTECHNOLOGY
238	Molecular Cloning, Sequencing, Purification And Characterization Of Stem Bromelain From Ananas Comosus.	Azura binti Amid	Universiti Islam Antarabangsa Malaysia	BIOTECHNOLOGY
239	Enzymatic Devulcanization Of Waste Rubber Products In Preparation To Be Recycled Into Virgin Rubber Batch	Faridah binti Yusof	Universiti Islam Antarabangsa Malaysia	BIOTECHNOLOGY

No.	Project Title	Project Leader	Institution	Research Cluster
240	Bioprotein Production From Agricultural Waste And Cheaper Carbon Source: Fulfilling The Hope Of Millions.	Parveen Jamal	Universiti Islam Antarabangsa Malaysia	BIOTECHNOLOGY
241	Inhibitory Effects Of Xanthone Derivatives From Selected Garcinia Species On Low-Density Lipoprotein Peroxidation And Platelet-Mediated Thrombosis.	Ibrahim bin Jantan	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
242	Anti-Inflammatory And Oestrogenic Effects Of Resorcinol Derivatives From Labisia Pumila Var. Alata (Myrsinaceae)	Jamia Azdina binti Jamal	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
243	Anti-Inflammatory Effects Of Flavonoid Derivatives From Annonaceae Species On The Biosynthesis Of Thromboxane B2 (Txb2) And Prostaglandin E2 (Pge2) In Plasma.	Juriyati Jalil	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
244	Expression Of Replicative Senescence-Associated Genes In Human Dermal Fibroblasts Treated With Gamma-Tocotrienol	Suzana Makpol	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
245	Marker-Assisted Selection For Aroma And Kernel Elongation In The Development Of New Rice Varieties	Mohamad Osman	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
246	Comparative Genomics For Conservation And Improvement Of Nephelium And Citrus Species	Mahani binti Mansor Clyde	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
247	The Clinical Value Of Human Mamaglobin (Hmam) In Breast Cancer	Ismarulyusda binti Ishak	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
248	Determination Of Rate Limiting Enzyme In Lipid Biosynthesis Of Cunninghamella Sp. 2a1.	Aidil bin Abdul Hamid	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
249	Modulation Of Disease Resistance In Rice Through Mitogen Activated Protein Kinase	Kalaivani Nadarajah	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
250	Signaling Pathways During Pathogenesis Of Colletotrichum Gloeosporioides	Abdul Munir Abdul Murad	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY

No.	Project Title	Project Leader	Institution	Research Cluster
251	A High Throughput System For Activation Tagging In Transformed Hairy Roots	Ismanizan Ismail	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
252	Application Of Rnai Technology For Functional Analysis Of A Novel Ripening-Related Gene	Zamri bin Zainal	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
253	Functional Analysis Of Capsanthin Capsorubin Synthase Promoter	Zamri bin Zainal	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
254	Nipah Virus Transcriptional Mechanism: Study Of L Protein Functional Domains And Promoter Sequence	Amir Bin Rabu	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
255	Stem Cells: Chemotaxis Activity In Human Progenitor Osteoblast Cells	Shahrul Hisham bin Zainal Ariffin	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
256	High Density Mammalian Cell Cultivation System For Recombinant Protein Production	Nurina binti Anuar	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
257	Development Of Bio-Solar Hydrogen Production System Using Mixed-Culture Of Photosynthetic Bacterium And Solvent Producing Strain	Mohd Sahaid bin Kalil	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
258	Identification Of Chemical Components Of Hornstedtia Scyphifera (Zingiberaceae) With Anti-Inflammatory And/Or Neuroprotective Effects.	Md. Ikram bin Mohd Said	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
259	In Silico Proteomics Analyses Of Tunicates Proteins	Khairina Tajul Arifin	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
260	A Biosensor-Flow Injection Analysis System Utilizing Acrylic Nanospheres For The Determination Of Proteins And Food Additives.	Lee Yook Heng	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
261	Molecular Characterization Of Putative M1 Gene Required For Sperm-Egg Fusion During Fertilization	Mahanem bt. Mat Noor	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY

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262	Isolation, Structure Determination And Bioactivity Of The Chemical Constituents Of Malaysian Vatica And Shorea	Jalifah binti Latip	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
263	Functional Analysis Of Appressoria Specific Genes Targeted For The Control Of The Fungal Plant Pathogen Colletotrichum Gloeosporioides	Farah Diba Abu Bakar	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
264	Development Of Species-Specific Dna Probes For The Detection Of Some Toxic Marine Dinoflagellates	Gires Usup	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
265	Host-Parasite Signaling In Plasmodium Infection	Hasidah Mohd Sidek	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
266	Residual Study Of Litsea Elliptica Blume As Botanical Pesticide Against Dengue And Dengue Haemorrhagic Fever Vectors And Its Safety Assessment	Hidayatul Fathi binti Othman	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
267	New Thermoseparating Aqueous Two-Phase Extraction System For Efficient Enzymes Recovery	Jamaliah binti Md Jahim	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
268	Continuous Solvent Production In An Oscillatory Flow Bioreactor	Mohd Sobri Takriff	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
269	Molecular Elucidation Of Solanum Torvum As A Potential Therapeutics On Oxidative Related Condition	Nor Fadilah binti Rajab	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
270	Biotechnology Of Mass Culture Of Microalgae Chlorella Vulgaris And The Determination Of Nutrient And Antioxidant Components	Yasmin Anum Mohd Yusof	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
271	Gamma-Tocotrienol Modulates Oxidative Stress Response And Gene Expression Of Human Lymphocytes From Different Age Groups	Wan Zurinah binti Wan Ngah	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
272	Potential Clinical Use Of Stem Cells From Human Placental And Umbilical Cord Matrix For Tissue Repair Through Angiogenesis	Dr Hayati Abd Rahman	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY

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273	The Isolation Of Amnion Stem Cells And Characterization Of Its Potential In Skin Regeneration	TAN GEOK CHIN	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
274	Explore The Potential Of Human Lipoaspirate Stem Cells For Future Clinical Treatment Of Cartilage Loss.	Chua Kien Hui	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
275	Molecular Genetics Of Unconjugated Hyperbilirubinemia And Development Of Molecular Screening Test For Severe Neonatal Jaundice.	Ainoon binti Othman	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
276	Epigenetic Alteration And Gene Silencing Of The Mdr Gene In Acute Leukaemia	Noor Hamidah binti Hussin	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
277	Folate, Mthfr Gene Polymorphism And Childhood Cancers.	Dr. Syed Zulkifli bin Syed Zakaria	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
278	Genomic And Proteomic Markers Of Endometrial Cancer In Malaysian Population	Norfilza Mohd Mokhtar	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
279	Genetic Polymorphisms And Enzyme Activity Of Thiopurine S-Methyltransferase: Development Of Molecular Diagnostics And A Bioassay To Reduce Toxicity And Enhance Therapeutic Efficiency In Acute Lymphoblastic Leukaemia	A. Rahman bin A. Jamal	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
280	Molecular And Genetic Profiling Of Gestational Diabetes Mellitus Using Single Nucleotide Polymorphism	Nor Azlin Mohamed Ismail	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
281	Structural Modifications And Quantitative Structure Activity Studies Of Ethyl Cinnamate, An Anti-Hypertensive Agent, And Its Analogues.	Khalijah Awang	Universiti Malaya	BIOTECHNOLOGY
282	Gene Expressions And Biological Properties Of Epstein-Barr Viral Gene Transfected Cells	Ng Ching Ching	Universiti Malaya	BIOTECHNOLOGY
283	Biomining For Mirna Genes Related To Stress In Banana Roots	Jennifer Ann Harikrishna	Universiti Malaya	BIOTECHNOLOGY

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284	Rapid Detection, Identification And Antimicrobial Susceptibility Of Enterobacteriaceae Using Molecular Techniques.	Shamala Devi K.C. Sekaran	Universiti Malaya	BIOTECHNOLOGY
285	Development Of Chemotherapeutic Agents For Dengue Diseases.	Rohana binti Yusof	Universiti Malaya	BIOTECHNOLOGY
286	Chikungunya Virus: Molecular Analysis And Development Of Diagnostic Assays	Jamal I-Ching Sam	Universiti Malaya	BIOTECHNOLOGY
287	Role Of F2-Isoprostanes, And Markers Of Inflammation And Oxidative Stress As Biomarkers Of Type 2 Diabetes.	Ikram Shah Ismail	Universiti Malaya	BIOTECHNOLOGY
288	A Comparative Analysis Of Protein Expression In Oral Cancer Patients With The Aim Of Identifying Predictive And Prognostic Biomarkers: A Proteomics Approach.	Saiful Anuar Karsani	Universiti Malaya	BIOTECHNOLOGY
289	Development Of Oral Healthcare Products From Selected Plant Extracts	Zubaidah binti Hj Abd Rahim	Universiti Malaya	BIOTECHNOLOGY
290	The Role Of Cross-Reacting Antibody Responses In Cytokine-Mediated Diseases	Sazaly bin Abu Bakar	Universiti Malaya	BIOTECHNOLOGY
291	Nutraceutical Development From Local Plant Extracts Nephelium Lappaceum (Rambutan) And Syzygium Maingayi (Jambu Merah) With Significantly High Anti Oxidant Activity	Cheng Hwee Ming	Universiti Malaya	BIOTECHNOLOGY
292	Comparative Proteomic Analysis Of Genes Expressed In Banana Roots In Response To Plant-Parasitic Nematode Infestation	Zulqarnain Mohamed	Universiti Malaya	BIOTECHNOLOGY
293	Self Targetting Novel Polymeric Drug Delivery System For Cancer Treatment	Chung Lip Yong	Universiti Malaya	BIOTECHNOLOGY

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294	Molecular Genetic Analysis And Characterisation Of Forensically Important Fly Species In Malaysia.	Zulqarnain Mohamed	Universiti Malaya	BIOTECHNOLOGY
295	Efficacy Of Antioxidant Extract From Lentinus Squarrosulus As Potential Nutraceutical Ingredient And Food Stabilizer	Noorlidah binti Abdullah	Universiti Malaya	BIOTECHNOLOGY
296	The Epidemiology And Molecular Characterization Of Macroparasitic Infections Of Feral Animals To Human Hosts In Malaysia.	Siti Nursheena bin Mohd Zain	Universiti Malaya	BIOTECHNOLOGY
297	The Investigation Of Rotator Cuff Tendinopathies In Human And Determining The Feasibility Of Applying Tissue Engineering Methods Using Autologous Fibroblast And Mesenchymal Stem Cells For The Repair Of Rotator Cuff Tears.	Tunku Kamarul Zaman bin Zainol Abidin	Universiti Malaya	BIOTECHNOLOGY
298	Development, Synthesis, And Evaluation Of Bioactive Indole Derivatives For Potential Applications In Biomedicine And Pharmacotherapy	Kam Toh Seok	Universiti Malaya	BIOTECHNOLOGY
299	The Role Of Free Radicals In The Development Of Endothelial Dysfunction In Diabetes Mellitus.	Mohd Rais bin Mustafa	Universiti Malaya	BIOTECHNOLOGY
300	Application Of Proteomic Technology In Identification Of Protein Biomarkers In Prostate Cancer Patients	Norman Dublin	Universiti Malaya	BIOTECHNOLOGY
301	Lectin-Based Approach In Proteomic Studies	Onn bin Haji Hashim	Universiti Malaya	BIOTECHNOLOGY
302	The Potential Usage Of Selected Natural Compounds As Chemotherapeutic Agents Against Cancer.	Noor Hasima Nagoor	Universiti Malaya	BIOTECHNOLOGY
303	Association Study Of Single Nucleotide Polymorphisms In Selected Candidate Genes And Non-Hodgkin's Lymphoma In The Malaysian Populations	Gan Shiaw Sze @ Gan Gin Gin	Universiti Malaya	BIOTECHNOLOGY

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304	Phenotypic And Genotypic Characterization Of Drug-Resistant Bacteria In Enterobacteriaceae	Thong Kwai Lin	Universiti Malaya	BIOTECHNOLOGY
305	The Role Of Viral Genomes In Kinase Activities And Protein Expression Profile In Lymphoma	Peh Suat Cheng	Universiti Malaya	BIOTECHNOLOGY
306	Development Of Anti-Tumour Agent From Curcuma Mangga And Pereskia Corrugata	Sri Nurestri Binti Hj Abd Malek	Universiti Malaya	BIOTECHNOLOGY
307	Assisted Reproductive Technologies (Art) In Long Tail Macaque (Ltm)	Ramli bin Abdullah	Universiti Malaya	BIOTECHNOLOGY
308	Cell Suspension Culture Of Gracilaria For The Production Of Biopharmaceuticals	Phang Siew Moi	Universiti Malaya	BIOTECHNOLOGY
309	Structure-Based Design And Synthesis Of Muscarinic Receptor Active Compounds As Potential Therapeutic Drugs	Michael James Christopher Buckle	Universiti Malaya	BIOTECHNOLOGY
310	Biomedical And Pharmacological Studies On Mucuna Pruriens Seed Components And Snake Venom Toxins	Tan Nget Hong	Universiti Malaya	BIOTECHNOLOGY
311	Antidiabetic Property Of Some Synthesized Benzoylhydrazones And Their Metal Complexes.	Hapipah Mohd Ali	Universiti Malaya	BIOTECHNOLOGY
312	Approaches Towards The Synthesis Of Bioactive Marine Macrolides	Noorsaadah binti A Rahman	Universiti Malaya	BIOTECHNOLOGY
313	Molecular Epidemiology And Molecular Pathogenesis Of Burkholderia Pseudomallei.	S.D Ampalam Puthuchery	Universiti Malaya	BIOTECHNOLOGY
314	Bioassay Guided Studies Of Two Antitumor Active Malaysian Meliaceae Species: Chisocheton Erythrocarpus Heirn And Aglaia Lanuginose King	Khalit Mohamad	Universiti Malaya	BIOTECHNOLOGY

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315	Process Scale Up Study Of Monoclonal Antibody Production For Medical Diagnostic Kit	Jailani Bin Salihon	Universiti Malaysia Pahang	BIOTECHNOLOGY
316	Essential Oil Quality And Standards Based On Novel Marker Compounds Isolated And Identified For Aqualaria Malaccensis (Gaharu)	Mashitah binti Mohd Yusoff	Universiti Malaysia Pahang	BIOTECHNOLOGY
317	Development Of Human Mimicking Sensory System For Environmental And Agricultural Applications	Abdul Hamid Adom	Universiti Malaysia Perlis	BIOTECHNOLOGY
318	Bioconversion Of Palm Kernel Cake (Pkc) To Value Added Feed Using Fibrolytic Bacteria And Fungi	Clemente Michael Wong Vui Ling	Universiti Malaysia Sabah	BIOTECHNOLOGY
319	Development Of A Biosensor For The Detection Of Saxitoxin In Pyrodinium Bahamense Var Compressum, A Harmful Algae.	Ann Anton	Universiti Malaysia Sabah	BIOTECHNOLOGY
320	Development Of Biosorbents From Sponge Gourd (Luffa Sp) For Applications In Water And Wastewater Treatment	Marcus Jopony	Universiti Malaysia Sabah	BIOTECHNOLOGY
321	Development Of Expressed Sequence Tags For Gene Discovery, Mapping And Distribution During Fruit Ripening In Pineapples	Vijay Kumar	Universiti Malaysia Sabah	BIOTECHNOLOGY
322	Searching For Potentially Commercialize Indigenous Fruits With Emphasis On Nutritional Composition, Antioxidant Activity And Anticancer Properties From Sabah Rainforest	Mohd Fadzelly Abu Bakar	Universiti Malaysia Sabah	BIOTECHNOLOGY
323	Applications Of Genomics To Acacia Mangium Plus Trees (Superbulk) And Acacia Hybrid Tree Improvement For Wood Quality.	Ismail B. Jusoh	Universiti Malaysia Sarawak	BIOTECHNOLOGY
324	Isolation And Characterization Of Collagen From Selected Edible Jellyfish For Pharmaceutical Use	Mohd Effendy bin Abd Wahid	Universiti Malaysia Terengganu	BIOTECHNOLOGY
325	Production Of Polyunsaturated Fatty Acids From Marine Microalgae	Cha Thye San	Universiti Malaysia Terengganu	BIOTECHNOLOGY

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326	Hybridization Between Pangasius Pangasius And Pangasius Hypophthalmus	Anuar bin Hassan	Universiti Malaysia Terengganu	BIOTECHNOLOGY
327	Novel Asymmetric Superphilic Bio-Separation Membranes For Newest Efficient Protein Lysozyme Purification Process Towards Bio-Pharmaceuticals Utilization And Biotechnology Development	Nora'aini Ali	Universiti Malaysia Terengganu	BIOTECHNOLOGY
328	Protein And Gene Profiling In The Developing Chick Embryo Under Normal And Treated Conditions	Nor Aripin bin Shamaan	Universiti Putra Malaysia	BIOTECHNOLOGY
329	Effect Of Recombinant Glycoproteins Of Newcastle Disease Virus On Cancer Cells	Khatijah binti Mohd Yusoff	Universiti Putra Malaysia	BIOTECHNOLOGY
330	Expression And Structural Studies Of L2 Lipase	Abu Bakar bin Salleh	Universiti Putra Malaysia	BIOTECHNOLOGY
331	Identification Of The Self-Assembly Domain Of Nipah Virus Nucleocapsid Protein And Its Application In Diagnosis	Tan Wen Siang	Universiti Putra Malaysia	BIOTECHNOLOGY
332	Functional Elucidation Of Seaweed Genes Related To Agar Biosynthesis	Ho Chai Ling	Universiti Putra Malaysia	BIOTECHNOLOGY
333	Molecular Modeling And Site-Directed Mutagenesis Of Type Iii Polyketide Synthase And Vanadium Dependent Haloperoxidase	Ho Chai Ling	Universiti Putra Malaysia	BIOTECHNOLOGY
334	Studies On Mesenchymal Stem Cells As A Potential Cellular Therapy For Cancer	Rajesh Ramasamy	Universiti Putra Malaysia	BIOTECHNOLOGY
335	Studies On Industrial Dye Effluent Degradation By Locally Isolated White Rot Fungi And Bacteria	Mohd Arif bin Syed	Universiti Putra Malaysia	BIOTECHNOLOGY
336	Cloning And Characterization Of Novel 5'-Cis-Acting Promoters And Other Controlling Elements In Green Microalgae Ankistrodesmus Convolutus	Suhaimi Napis	Universiti Putra Malaysia	BIOTECHNOLOGY

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337	In Vivo And In Vitro Study Of Atherogenesis And The Potential Benefits Of Anacardium Occidentale Linn. In Experimental Atherosclerosis	Zulkhairi Amom	Universiti Putra Malaysia	BIOTECHNOLOGY
338	Evaluation Of Probiotic Strains In Chickens By Real-Time Quantitative Pcr	SIEO CHIN CHIN	Universiti Putra Malaysia	BIOTECHNOLOGY
339	Isolation And Characterization Of Acetylcholinesterase And Butyrylcholinesterase Inhibitor From Knema Laurina.	Md Nordin bin Hj Lajis	Universiti Putra Malaysia	BIOTECHNOLOGY
340	Molecular Targets Of Natural And Synthetic Quinones	Daud Ahmad bin Israf Ali	Universiti Putra Malaysia	BIOTECHNOLOGY
341	Development Of A Strip Assay To Identify Beta-Thalassemia Alleles In Ethnic Groups In Malaysia	Elizabeth George	Universiti Putra Malaysia	BIOTECHNOLOGY
342	Microbial Biotransformation Of Selected Diterpenoids, Flavonoids And Phenolic Compounds From Natural Sources	Khozirah binti Shaari	Universiti Putra Malaysia	BIOTECHNOLOGY
343	Genetic Characterization Of Indigenous Kedah Kelantan Cattle And Its Crossbred Breed Types	JOTHI MALAR PANANDAM	Universiti Putra Malaysia	BIOTECHNOLOGY
344	Matrix Real-Time Polymerase Chain Reaction For The Rapid Detection Of Colonic Bacteria Associated With Inflammatory Bowel Disease.	Loong Yik Yee	Universiti Putra Malaysia	BIOTECHNOLOGY
345	Utilisation Of Locally Produced Additive In Replacement Of Antimicrobials In The Diet Of Broiler Chickens	Loh Teck Chwen	Universiti Putra Malaysia	BIOTECHNOLOGY
346	Gene Profiling And Survival Of Acute Leukaemias	Maha Abdullah@Maha-Lakswmi-Pon	Universiti Putra Malaysia	BIOTECHNOLOGY
347	Evaluation Of New Andrographolide Derivatives For Inhibitory Activities Against Tumour Vasculature And Metastasis	JOHNSON STANSLAS	Universiti Putra Malaysia	BIOTECHNOLOGY

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348	Large-Scale Production Of Bifidobacterium Pseudocatenulatum G4 Prelude To Product Testing	Shuhaimi Mustafa	Universiti Putra Malaysia	BIOTECHNOLOGY
349	Influence Of Rice Genotype And Its Associated Diazotrophs On Biological N2 Fixation And Nitrogen Use Efficiency	Radziah binti Othman	Universiti Putra Malaysia	BIOTECHNOLOGY
350	Methicillin Resistant Staphylococcus Aureus In Companion Animals And Livestock	Zunita binti Zakaria	Universiti Putra Malaysia	BIOTECHNOLOGY
351	Development Of Protein-Based Diagnostic Kit For Ovine Brucellosis	Siti Khairani Bejo	Universiti Putra Malaysia	BIOTECHNOLOGY
352	Development Of Diagnostic Kits Based On Leptospiral Dna And Proteins For Early Detection Of Acute Clinical Leptospirosis.	Abdul Rani bin Bahaman	Universiti Putra Malaysia	BIOTECHNOLOGY
353	Pathogenicity And Characteristics Of Avian Adenovirus Isolates Of Malaysia	Mohd Hair bin Bejo	Universiti Putra Malaysia	BIOTECHNOLOGY
354	Molecular Cloning And Expression Of An Organic Solvent Tolerant Lipase Gene From Locally Isolated Staphylococcus Sp.	Raja Noor Zaliha binti Raja Abd Rahman	Universiti Putra Malaysia	BIOTECHNOLOGY
355	Characterization Of The Reproductive Activity Of The Male Lesser Mouse Deer (Tragulus Javanicus) Using Immunohistochemistry And Radioimmunoassay	Mohd Zamri bin Saad	Universiti Putra Malaysia	BIOTECHNOLOGY
356	Prevalence Of Human Papilloma Virus (Hpv) Genotypes And Viral Load Among Asymptomatic Women And Cervical Cancer Patients In Multi-Ethnic Malaysia	Chong Pei Pei	Universiti Putra Malaysia	BIOTECHNOLOGY
357	In Vivo Study Of Resistant Starch As Blood Glucose Reducing Agent In Type 2 Diabetes	Nawalyah binti Abdul Ghani	Universiti Putra Malaysia	BIOTECHNOLOGY
358	Modulation Of Melanin Biosynthesis By Selected Malaysian Traditional Plants Using Epidermal Melanocytes Cell Line	Syahida Ahmad	Universiti Putra Malaysia	BIOTECHNOLOGY

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359	Identification And Characterization Of The Causal Pathogen Of Red-Tip Disease In Pineapple	Ganesan Vadamalai	Universiti Putra Malaysia	BIOTECHNOLOGY
360	Development Of An Improved Baculovirus Producing Occlusion Bodies That Contain Bacillus Thuringiensis Insect Toxin	Lau Wei Hong	Universiti Putra Malaysia	BIOTECHNOLOGY
361	Lactic Acid Bacteria As An Approach To Vitamin Fortification	Raha binti Hj Abdul Rahim	Universiti Putra Malaysia	BIOTECHNOLOGY
362	Antimicrobial Peptides Production For Destruction Of Multiple Drug Resistant Superbugs, Mrsa	Mariana Nor binti Shamsudin	Universiti Putra Malaysia	BIOTECHNOLOGY
363	Discovering Signal Transduction Inhibitors From Actinomycetes For Potential Anti-Cancer Drugs	Seow Heng Fong	Universiti Putra Malaysia	BIOTECHNOLOGY
364	Variant Surface Glycoprotein (Vsg) Heterogeneity And Dynamics Of Antigenic Switching In Trypanosoma Evansi	Reuben Sunil Kumar Sharma	Universiti Putra Malaysia	BIOTECHNOLOGY
365	Development Of A Multiplex Pcr Assay For The Detection Of Economically Important Poultry Mycoplasma	Aini Ideris	Universiti Putra Malaysia	BIOTECHNOLOGY
366	Identification And Characterisation Of Specific Proteins As Biomarkers For Early Detection Of Vascular Disease	Rasedee @ Mat Bin Abdullah	Universiti Putra Malaysia	BIOTECHNOLOGY
367	Nutraceuticals From Morinda Citrifolia (L), Centella Asiatica (L) And Momordica Charantia In Prevention And Treatment For Obesity And Its Related Disorders	Azizah binti Abdul Hamid	Universiti Putra Malaysia	BIOTECHNOLOGY
368	Rapid Detection Of New Antioxidant Constituents From Persicaria Tenella By Hplc-Dad-Ms Analysis.	Faridah Abas	Universiti Putra Malaysia	BIOTECHNOLOGY
369	Predictive Microbiology: Modeling Bacterial Growth Of Salmonella Typhi As A Function Of Water Activity, Ph And Temperature In Rojak Gravy, Satay Gravy And Coconut Milk (Santan)	Son Radu	Universiti Putra Malaysia	BIOTECHNOLOGY

No.	Project Title	Project Leader	Institution	Research Cluster
370	Production Of Oil Seeds And Seed Oil Of Moringa Oleifera (Kelor Or Mungai) And Enzymatic Re-Designing Of Its High Oleic Acid Oil With Other Edible Oils/Fats For Product Diversification	Hasanah binti Mohd Ghazali	Universiti Putra Malaysia	BIOTECHNOLOGY
371	Compounds From Cratoxylum Aborescens, Cratoxylum Glaucum, Garcinia Nitida And Garcinia Mangostana And Their Potential As Anti-Cancer Lead Compounds.	Gwendoline Cheng Lian Ee	Universiti Putra Malaysia	BIOTECHNOLOGY
372	Establishment Of Nuclear Transformation Protocol Of Ankistrodesmus Convolutus For The Expression Of Therapeutic Proteins	Suhaimi Napis	Universiti Putra Malaysia	BIOTECHNOLOGY
373	Biomonitoring Of Heavy Metals In The Environment Using A Novel Inhibitive Enzyme Assay System	Mohd Yunus bin Abd. Shukor	Universiti Putra Malaysia	BIOTECHNOLOGY
374	Combating Biofilm: Gentamycin Drug Delivery System In Bone Tissue	Fauziah binti Othman	Universiti Putra Malaysia	BIOTECHNOLOGY
375	Development Of Rapid Test For Diagnosis Of Feline Coronavirus	Siti Suri binti Arshad	Universiti Putra Malaysia	BIOTECHNOLOGY
376	Development Of An Affinity Adsorption Method For The Purification Of Recombinant Hepatitis B Core Antigen	TEY BENG TI	Universiti Putra Malaysia	BIOTECHNOLOGY
377	Development Of Plant-Based Vaccine For Newcastle Disease In Poultry	Norihan binti Mohd. Saleh	Universiti Putra Malaysia	BIOTECHNOLOGY
378	Single Nucleotide Polymorphisms Of The Human Fatty Acid Amide Hydrolase Gene And The Risk Of Drug Addiction In Malaysian Subjects	Rozita Rosli	Universiti Putra Malaysia	BIOTECHNOLOGY
379	Development Of Rapid Diagnostic Tools Based On Polymerase Chain Reaction (Rt-Pcr) And Specific Antibodies For Identification And Diagnosis Of Viral Encephalopathy And Retinopathy (Ver) Of Marine Food Fishes	Hassan bin Hj Mohd Daud	Universiti Putra Malaysia	BIOTECHNOLOGY
380	Immunohistochemical Assessment Of Endothelial And Smooth Muscle Cell Integrity Of Saphenous Veins Harvested By Endoscopic And Open Methods For Coronary Bypass Surgery	Sabariah Abdul Rahman	Universiti Putra Malaysia	BIOTECHNOLOGY

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381	Virtual High Throughput Screening Of Compounds Derived From Natural Products For Anti-Tuberculosis Activity.	Habibah A Wahab	Universiti Sains Malaysia	BIOTECHNOLOGY
382	Interactions Of Soya Protein, Transglutaminase (Tgase) And Ribose In A Composite Model System	Azhar bin Mat Easa	Universiti Sains Malaysia	BIOTECHNOLOGY
383	Bioprospecting For New Novel Therapeutics Natural Products From Unicellular Algae	Wan Maznah Wan Omar	Universiti Sains Malaysia	BIOTECHNOLOGY
384	Identification Of Signal Transduction Pathways Mediating The Cytokine- Inhibitory Effect On Human Peroxisome Proliferator Activated Receptor Alpha (Pparalpha) Mrna Expression In Liver Cells: Towards Elucidation Of The Intracellular Signalling Routes During Acute Phase Response	Chong Shu Chien @ Alexander	Universiti Sains Malaysia	BIOTECHNOLOGY
385	Integrating Biotechnological And Breeding Approaches For The Genetic Enhancement Of The Keli Bunga, Clarias Macrocephalus	Siti Azizah binti Mohd Nor	Universiti Sains Malaysia	BIOTECHNOLOGY
386	Biosynthesis Of Biodegradable Poly(3-Hydroxybutyrate-Co-4-Hydroxybutyrate) By Bacteria From Malaysian Environment.	Amirul Al-Ashraf Abdullah	Universiti Sains Malaysia	BIOTECHNOLOGY
387	Bioregeneration Of Adsorbents In The Simultaneous Adsorption And Biodegradation Processes	Dr Seng Chye Eng	Universiti Sains Malaysia	BIOTECHNOLOGY
388	Biopreservation Of Prawns (Peneus Merguensis) Using Lactic Acid Bacteria (Lab) As Probiotic Products	Noryati Ismail	Universiti Sains Malaysia	BIOTECHNOLOGY
389	Production Of Fructo-Oligosaccharides (Fos) As A Source Of Functional Foods, In Rotating Fibrous Bed Bioreactor	MASHITAH MAT DON	Universiti Sains Malaysia	BIOTECHNOLOGY
390	Process Technology For The Production Of Edible Palm Oil Fat Products Using Enzymatic Reactor Technology	Azlina binti Harun @ Kamaruddin	Universiti Sains Malaysia	BIOTECHNOLOGY

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391	A Bioroute Production Of Biodiesel Using Cheap Feedstocks In A Continuous Packed Bed Reactor	Azlina binti Harun @ Kamaruddin	Universiti Sains Malaysia	BIOTECHNOLOGY
392	Functional And Structural Analysis Of Candidate Gene(S) Associated In The Aetiology Of Nonsyndromic Cleft Lip With Or Without Palate (C±P)	Normastura binti Abd. Rahman	Universiti Sains Malaysia	BIOTECHNOLOGY
393	Leptin And Related Risk Factors In Breast Cancer Patients	Bhavaraju Venkata Murali Krishna	Universiti Sains Malaysia	BIOTECHNOLOGY
394	Characterization Of Circulating Antigens In Toxoplasmosis	Rahmah binti Noordin	Universiti Sains Malaysia	BIOTECHNOLOGY
395	Experimental Rnomics Based Systemic Search For Small-Non-Coding Rna Riboswitches In Vibrio Cholerae Towards Discovering Novel Drug Target, Vaccine Candidate And Diagnostic Markers	Tang Thean Hock	Universiti Sains Malaysia	BIOTECHNOLOGY
396	Determination Of Elements And Morphological Characterization Of Malaysian Sea Cucumber Using Vpsem, Edx, Aas, Tem, Ft-Ir And Xrd Analysis.	Prof. Dr Syed Mohsin Syed Sahil Jamalullail	Universiti Sains Malaysia	BIOTECHNOLOGY
397	Development Of Test For Diagnosis Of Active Tuberculosis By Detecting Mycobacterium Specific Igg, Igg Subclasses And Iga Antibodies From Lymphocyte Secretions	Rapeah Suppian	Universiti Sains Malaysia	BIOTECHNOLOGY
398	Autophagic-Related Mtor And Beclin-1 Gene And Protein Expression In Human Breast Cancer Tissues	Tan Mei Lan	Universiti Sains Malaysia	BIOTECHNOLOGY
399	Artesunate And Amodiaquine: Tolerability And Pharmacokinetic Study In Healthy Normal Volunteers Of Non-Fixed And Fixed Combination & Their Correlation With The Cyp2a6 & Cyp2c8 Genes.	Gan Siew Hua	Universiti Sains Malaysia	BIOTECHNOLOGY
400	Mutation Of The Virulence And Ompa Genes Of Shigella Flexneri: Towards Development Of An Oral Live Attenuated Shigella Vaccine	Kirnpal Kaur Banga Singh	Universiti Sains Malaysia	BIOTECHNOLOGY

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401	In Vivo Study Of The Effects Of Angiogenic Suppression And Protein Kinase C Inhibition On Growth Of Breast Cancer And Its Blood Supply	Hasnan bin Jaafar	Universiti Sains Malaysia	BIOTECHNOLOGY
402	Mathematical Modelling Of Splicing Systems On Dna Molecules	Nor Haniza binti Sarmin	Universiti Teknologi Malaysia	BIOTECHNOLOGY
403	Phytochemicals With Antioxidants And Antityrosinase Activities From Two Melastomataceae	Hasnah binti Mohd Sirat	Universiti Teknologi Malaysia	BIOTECHNOLOGY
404	The Development Of Feature Selection Tool For Classification Of Microarrays Gene Expression Data Using Statistical And Machine Learning Techniques	Zuraini binti Ali Shah	Universiti Teknologi Malaysia	BIOTECHNOLOGY
405	Dna Sequence Design For Dna Computing With Length And Taqman Constraints	Zuwairie Ibrahim	Universiti Teknologi Malaysia	BIOTECHNOLOGY
406	Enzymatic Study Of The Dehalogenases Involved In Biodegradation Of A Herbicide 3-Chloropropionic Acid (3cp) By A Novel Indigenous Bacteria	Fahrul Zaman bin Huyop	Universiti Teknologi Malaysia	BIOTECHNOLOGY
407	Evaluations Of Anti-Inflammatory Activities Of Phytochemicals From Three Wild Pipers	Farediah binti Ahmad	Universiti Teknologi Malaysia	BIOTECHNOLOGY
408	Encapsulation Of Papain For Edible Cosmeceuticals	Azila binti Abd. Aziz	Universiti Teknologi Malaysia	BIOTECHNOLOGY
409	Metabolic Modeling Software For Metabolic Assessment Of Diabetic Patients	Lee Chew Tin	Universiti Teknologi Malaysia	BIOTECHNOLOGY
410	Production Of Biofuels From Empty Fruit Bunch (Efb) Via Integrated Catalytic Process	Nor Aishah binti Saidina Amin	Universiti Teknologi Malaysia	BIOTECHNOLOGY
411	Development Of Ecofriendly Aromatic Mosquito Repellents From Pelargonium Radula (Jeremin) Styptic Oil	Ramlan bin Abdul Aziz	Universiti Teknologi Malaysia	BIOTECHNOLOGY

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412	Production Of Thermostable Pullulanase From Locally Isolated Bacillus Flavothermus Using Fed-Batch Culture	Madiah binti Md Salleh	Universiti Teknologi Malaysia	BIOTECHNOLOGY
413	Development Of Laboratory Scale Cyclic Activated Sludge Bioreactor (Casbio) To Enhance Aerobic Sludge Granulation (Ags) And Polyhydroxyalkanoates (Pha) Recovery	Mohd Razman bin Salim	Universiti Teknologi Malaysia	BIOTECHNOLOGY
414	Hybrid Membrane Bioreactor (Mbr) For Biotransformation And Biomineralization Of Palm Oil Mill Effluent (Pome)	Zaini bin Ujang	Universiti Teknologi Malaysia	BIOTECHNOLOGY
415	Malaysian Basic Biodiversity Genomic Database For Alzheimer's Disease	Habibah binti Hashim	Universiti Teknologi MARA	BIOTECHNOLOGY
416	Bioassay-Guided Isolation Of Antiplasmodial Compounds From Two Malaysian Kopsia Species.	Nor Hadiani Binti Ismail	Universiti Teknologi MARA	BIOTECHNOLOGY
417	Studies Towards The Total Synthesis Of Codonopsinine, An Anti-Hypertensive Compound From Codonopsis Clematidea	Ahmad Sazali bin Hamzah	Universiti Teknologi MARA	BIOTECHNOLOGY
418	Phytomedicinal Studies Of Some Malaysian Uncaria	Rohaya binti Ahmad	Universiti Teknologi MARA	BIOTECHNOLOGY
419	Development Of Natural Dyes From Waste Plants	Wan Yunus bin Wan Ahmad	Universiti Teknologi MARA	BIOTECHNOLOGY
420	New Nanotechnological Application: Wet-Grinding As A Process To Produce Nanodrugs And Improve Drug Bioavailability	Abu Bakar Abdul Majeed	Universiti Teknologi MARA	BIOTECHNOLOGY
421	Enhancement Of Lipase Enzyme Activity Through Three Phase Partitioning And Microwave Mediated Immobilization On Nanoparticles Of Hydrophobically Modified Chitosan For Biodiesel Production From Palm Oil.	Saifuddin bin Hj. M. Nomanbhay	Universiti Tenaga Nasional	BIOTECHNOLOGY
422	Land Contamination And Erosion Protection Using Temporary Degradable And Long-Term Non-Degradable Material	Rohayu Che Omar	Universiti Tenaga Nasional	BIOTECHNOLOGY

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423	In Situ Expression Of Nifh Genes In Natural Microbial Assemblages Of Malaysian Soil Using Quantitative Pcr	Choo Quok Cheong	Universiti Tunku Abdul Rahman	BIOTECHNOLOGY
424	An Investigation Of The Combined Efficacy Of Light Activated Photosensitizing Compounds And Chemotherapeutic Agents On Human Cancer Cell Lines.	Anthony Ho Siong Hock	Universiti Tunku Abdul Rahman	BIOTECHNOLOGY
425	Development Of A Brain-Computer Interface System For Control Of Prosthetic Arm And Other Devices.	Goh Sing Yau	Universiti Tunku Abdul Rahman	BIOTECHNOLOGY
426	Development Of Exterior Grade Plybamboo	Mohd Khairun Anwar bin Uyup	Forest Research Institute of Malaysia	INDUSTRY
427	Suitability Of Laminated Oil Palm Veneer Lumber (Lopvl) As Raw Materials Fortimber-Based Products	Wan Tarmeze Wan Ariffin	Forest Research Institute of Malaysia	INDUSTRY
428	Development Of Eco-Friendly Rubberwood Furniture Dimensional Stocks, With Minimum Preservative Requirement, Using High Heat Treatment Technique	Sik Huei Shing	Forest Research Institute of Malaysia	INDUSTRY
429	Zinc Borate And Epoxy Resin Treatments To Increase Durability Of Wood Composites From Acacia Hybrid And Oil Palm Empty Fruit Bunches	Koh Mok Poh	Forest Research Institute of Malaysia	INDUSTRY
430	Development Of Fibreglass Reinforced Wood Veneer Moulded Products.	Hamdan bin Husain	Forest Research Institute of Malaysia	INDUSTRY
431	Development Of Wood Polymer Composite With Enhanced Properties From Modified Acacia Mangium And Oil Palm Fibres	Puad bin Elham	Forest Research Institute of Malaysia	INDUSTRY
432	Development Of Low Density Particleboard Using Kenaf Core	Mohamad Jani bin Saad	Forest Research Institute of Malaysia	INDUSTRY
433	Development Of Smart Automotive Mounting System	Asyraf Bin Ismail	Lembaga Getah Malaysia	INDUSTRY

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434	Computer Aided Engineering Design Of Rubber Components	Shamsul bin Kamaruddin	Lembaga Getah Malaysia	INDUSTRY
435	Rubber/Clay Nanocomposites For Improved Product Lifetime	Nik Intan Binti Nik Ismail	Lembaga Getah Malaysia	INDUSTRY
436	Optimization Of Chemical Dispersions For Latex Product Formulary Studies	Manroshan Singh s/o Jaswan Singh	Lembaga Getah Malaysia	INDUSTRY
437	Environmentally Friendly And Nitrosamine-Free Latex Preservative System	Vivaygananthan s/o K.Kathireson	Lembaga Getah Malaysia	INDUSTRY
438	Minimizing Chemical Hazards, Cytotoxicity And Genotoxicity Of Rubber Chemicals And Natural Rubber Latex Products	Mok Kok Lang	Lembaga Getah Malaysia	INDUSTRY
439	Development Of Sucrose-Free Chocolate Using Polyols	Wan Aidah binti Wan Ibrahim	Lembaga Koko Malaysia	INDUSTRY
440	Development Of Lowland Cabbage And Cauliflower Production Using The Fertigation Technique Under Protective Structures For High Yield And Quality Produce.	Illias bin Mohd.Khir	Malaysian Agricultural Research & Development Institute	INDUSTRY
441	Development And The Effects Of Radiation On Microbial Fuel Cell In Generating Bioenergy From Agricultural Wastewater	Jong Bor Chyan	Malaysian Nuclear Agency	INDUSTRY
442	Preparation Of Natural Rubber Based Nano-Sized Materials Using Sol-Gel Technique	Dahlan Bin Hj Mohd	Malaysian Nuclear Agency	INDUSTRY
443	Development Of Natural Rubber/Polypropylene/Clay Nanocomposite For Automotive Application	Jamaliah bt Sharif	Malaysian Nuclear Agency	INDUSTRY
444	In-Situ Multiple Parameter Monitoring And Measurement System For Liquid Hydrocarbon Using Fiber Optic Sensor	Mohd Ridzuan Mokhtar	Multimedia University	INDUSTRY

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445	Device Applications Of Diamond-Like Carbon Film	Tou Teck Yong	Multimedia University	INDUSTRY
446	Multivariable Identification Of Thermal Systems	Tan Ai Hui	Multimedia University	INDUSTRY
447	Quantum Image Processor (Qip) – An Embedded Design Humanoid Brain	Loo Chu Kiong	Multimedia University	INDUSTRY
448	The Dynamics Of The Technology Transfer Process: A Study Of The Multimedia Super Corridor (Msc) Flagships.	Kamarulzaman Ab. Aziz	Multimedia University	INDUSTRY
449	Development Of Bio-Degradable Nanocomposite Lithium Sulfur Battery	Lee Wah Pheng	Multimedia University	INDUSTRY
450	Scanning Uv Surface Voltage Technique : A New Approach For The Study Of Defects In Insulating Materials And Nanostructures.	Lee Wah Pheng	Multimedia University	INDUSTRY
451	Preparation And Analysis Of Magnetic Fept Films For Ultra High Density Storage Media	Ong Boon Hoong	Multimedia University	INDUSTRY
452	Synthesis And Characterisation Of Monodisperse Magnetic Nanoparticles	Ong Boon Hoong	Multimedia University	INDUSTRY
453	Design And Fabrication Of Iii-V Inp Based Quantum-Well(Qw) Laser.	Wong Hin Yong	Multimedia University	INDUSTRY
454	Design And Development Of Single-Phase Voltage Sag Mitigator.(Dynamic Voltage Restorer)	Kartik Prasad Basu	Multimedia University	INDUSTRY
455	Intelligent Nonlinear Calibration Method Of Robot Tool Center Point (TcP) And Part Positioning Method With Laser Line Scanner	lee tian soon	Multimedia University	INDUSTRY

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456	Development Of Low Thermal Expansion Glaze For Anorthite Ceramic	Doll Said bin Ngah	SIRIM Berhad	INDUSTRY
457	Development Of Stainless Steel 316l Parts Using Powder Injection Molding Technique For Orthopaedic And Orthodontic Application	Rosdi bin Ibrahim	SIRIM Berhad	INDUSTRY
458	Enhancing The Properties Of Epoxidised Natural Rubber Based Polymer Electrolytes For Electrochemical Device Applications	Razali Idris	SIRIM Berhad	INDUSTRY
459	Development Of Porous Carbonated Apatite For Possible Biomedical Purposes	Fadzil Ayad Zakaria	SIRIM Berhad	INDUSTRY
460	Development And Fabrication Of Apatite-Coated Metallic Implants For Fracture Fixation In Orthopedic And Maxillofacial Applications	Mohd Afian bin Omar	SIRIM Berhad	INDUSTRY
461	Development Of Nano Structured Lithium Manganese Based Cathode Materials For High Power Energy Storage And Devices	Mohd Ali Sulaiman	SIRIM Berhad	INDUSTRY
462	Development Of Sintered Harmetal Alloy From Sub-Micron Powder Particle For Mechanical Seal And Wear Resistant Application Through Powder Metallurgy Routes	Mohd Asri Bin Selamat	SIRIM Berhad	INDUSTRY
463	Development Of Ceramic Based Artificial Coral Material For Application As Fish Aggregating Device (Fad)	Saidin bin Karim	SIRIM Berhad	INDUSTRY
464	Development Of Techniques For Design And Fabrication Of Patient Specific Medical Implants Using Cad/Cam	Victor Devadass	SIRIM Berhad	INDUSTRY
465	Development Of Nanoceramic Photocatalyst For Reduction Of Bod From Palm Oil Mill Effluent	Teng Wan Dung	SIRIM Berhad	INDUSTRY
466	Techniques For Design And Development Of Products Related To Craniofacial (Head) For Malaysian Population	Wan Abdul Rahman Jauhari bin Wan Harun	SIRIM Berhad	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
467	Synthesis And Development Of Novel Nanomaterials For Enhancement Of Photocatalytic Activity For Destruction Of Organic And Inorganic Toxic Contaminants In Air	Abdul Kadir bin Masrom	SIRIM Berhad	INDUSTRY
468	Development Of Metal Injection Moulding (Mim) Feedstock Formulation Using Palm Stearin Based Biopolymers Binder For High Performance Applications	Mohd Afian bin Omar	SIRIM Berhad	INDUSTRY
469	Developing An Imaging Spectrometer Technique For Investigating Reversible Photodimerization Of Optically Active Photochromic Dyes	Nik Mohd Azmi Bin Nik Abdul Aziz	SIRIM Berhad	INDUSTRY
470	Development Of Novel Single Layer Polyethylene Barrier Film Using Nanoclay Impregnation	Rahmad bin Abd Shukor	SIRIM Berhad	INDUSTRY
471	Development Of High Performance Anisotropic Ndfeb Magnet By Die-Upset Forging.	Mat Husin bin Saleh	SIRIM Berhad	INDUSTRY
472	Design And Fabrication Of Step Index Plastic Optical Fiber (Si_Pof) Preform Using Co-Extrusion Technique For Optical Applications	Ahmad Zaki bin Haji Shaari	SIRIM Berhad	INDUSTRY
473	Formulation And Development Of Modified Phenolic Resin With Polyvinyl Butyral For High Impact Composite Applications	Ismarul Nizam B. Ismail	SIRIM Berhad	INDUSTRY
474	Development Of Natural Rubber-Based Protonic Membrane For Fuel Cell Technology And The Fuel Cell Utilized The Membrane	Wan Siti Noor binti Wan Abdul Halim	SIRIM Berhad	INDUSTRY
475	Fabrication Of Thin Microporous Layer By Electrophoretic Deposition (Epd) For Gas Separation Membrane	Rafindde bin Ramli	SIRIM Berhad	INDUSTRY
476	The Use Of Solid Particle Aerosol Dopants For Fabricating Optical Fiber Preform In The Modified Chemical Vapor Deposition Technique.	Abdul Aziz b. Mat Hassan	Telekom Research & Development Sdn Bhd	INDUSTRY
477	Implementation Of Workpiece Preheating To Control Chatter And Improve Machinability During End-Milling Of Titanium Alloy Ti-6al-4v	A.K.M. Nurul Amin	Universiti Islam Antarabangsa Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
478	Enhancement Of Machinability Of Hardened Steels In End Milling Using Advanced Cutting Methods And Tools	A.K.M. Nurul Amin	Universiti Islam Antarabangsa Malaysia	INDUSTRY
479	Hybrid Process Of Low Temperature Nitriding-Carburising For Austenitic Stainless Steels	Shahjahan Mridha	Universiti Islam Antarabangsa Malaysia	INDUSTRY
480	Development Of Bioactive Porous Ceramic Microcarriers For Animal Cell Proliferation	Iis Sopyan	Universiti Islam Antarabangsa Malaysia	INDUSTRY
481	Development Of Rechargeable Zinc-Air Batteries Employing Gelled Electrolyte	Raihan bin Othman	Universiti Islam Antarabangsa Malaysia	INDUSTRY
482	Fuzzy-Based Nctf Controller For High Precision Ptp Positioning Systems	WAHYUDI MARTONO	Universiti Islam Antarabangsa Malaysia	INDUSTRY
483	Development And Prototyping Of Intelligent Gantry Crane	WAHYUDI MARTONO	Universiti Islam Antarabangsa Malaysia	INDUSTRY
484	Development Of Environmental Friendly Super Bioadhesive For Structural Applications Using Egg Albumin As The Matrix Material	Zuraida Ahmad	Universiti Islam Antarabangsa Malaysia	INDUSTRY
485	Fabrication Of Membrane Electrode Assembly (Mea) Using Casting Technique	ABU BAKAR BIN MOHAMAD	Universiti Kebangsaan Malaysia	INDUSTRY
486	High Quality Transparent Zno Films For High Efficiency Solar Cell Application	Zahari bin Ibarahim	Universiti Kebangsaan Malaysia	INDUSTRY
487	Solvolyis And Hydrotreatment Of Biomass To Produce Fuel	Sarani binti Zakaria	Universiti Kebangsaan Malaysia	INDUSTRY
488	Development Of Design Advisor Software For Fuel Cell System	Siti Kartom binti Kamarudin	Universiti Kebangsaan Malaysia	INDUSTRY

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489	Development Of Advanced Photovoltaic Thermal Air Based (Hybrid) Solar Collectors For Simultaneous Production Heat And Electricity	Mohd. Yusof bin Hj. Othman	Universiti Kebangsaan Malaysia	INDUSTRY
490	Development Of Semi-Solid Metal Processing For Automotive Components	Mohd Zaidi Omar	Universiti Kebangsaan Malaysia	INDUSTRY
491	Fatigue Reliability Of Magnesium Alloy Metal Matrix Composites For Lightweight Structural Components	Zainuddin Sajuri	Universiti Kebangsaan Malaysia	INDUSTRY
492	Development Of A Fatigue Life Characterisation Of Composite Materials Under Spectrum Loadings	Shahrum Abdullah	Universiti Kebangsaan Malaysia	INDUSTRY
493	Development Of A Fatigue Data Editing Algorithm For Road Vehicle Loadings In Time-Frequency Domain	Shahrum Abdullah	Universiti Kebangsaan Malaysia	INDUSTRY
494	Rolling Contact Fatigue (Rcf) Studies Of Railway Track In Malaysia	Zainuddin Sajuri	Universiti Kebangsaan Malaysia	INDUSTRY
495	Novel Separation Methods In Biodiesel Production Using Solvent Stable Nanofilters Technology	Abdul Wahab bin Mohammad	Universiti Kebangsaan Malaysia	INDUSTRY
496	Nanomagnetic Thermoplastic Natural Rubber Composites	Sahrim Haji Ahmad	Universiti Kebangsaan Malaysia	INDUSTRY
497	Modelling Of Electronic Properties Of Semiconductor Quantum Dots	Geri Kibe Ak Gopir	Universiti Kebangsaan Malaysia	INDUSTRY
498	Power Quality Remote Monitoring: A Low Cost System Development	Aini Hussain	Universiti Kebangsaan Malaysia	INDUSTRY
499	Superconductor-Nanomagnet Hybrid Conductors For Energy Transport Applications	Roslan bin Abd. Shukor	Universiti Kebangsaan Malaysia	INDUSTRY

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500	Catalytic Production Of Levulinic Acid From Renewable Cellulosic Materials And Carbohydrates	Zahira Yaakob	Universiti Kebangsaan Malaysia	INDUSTRY
501	Advanced Power Quality Monitoring Instrument For Real Time Disturbance Recognition And Source Detection	Azah binti Mohamed	Universiti Kebangsaan Malaysia	INDUSTRY
502	Development Of Advanced Algorithms And Computational Methods To Enhance Power System Security And Reliability	Azah binti Mohamed	Universiti Kebangsaan Malaysia	INDUSTRY
503	Establishment Of Malaysian Anthropometrics Data For The Design And Development Of Safe And Comfortable Driver's Seat For Road Vehicles	Baba bin Md Deros	Universiti Kebangsaan Malaysia	INDUSTRY
504	Fabrication And Materials Performance Of Carbon And Natural Silk Laminate Composites For Light Weight Vehicles (Lwv)	Che Husna binti Azhari	Universiti Kebangsaan Malaysia	INDUSTRY
505	Synthesis Of SnO ₂ Nanowires For High Sensitivity Gas Sensor	Dee Chang Fu	Universiti Kebangsaan Malaysia	INDUSTRY
506	System-On-Chip For Mems Accelerometers	Masuri bin Othman	Universiti Kebangsaan Malaysia	INDUSTRY
507	Development Of Metal Oxide-Polymer Nanocomposite Thin Films For Volatile Organic Compound Gas Sensor	Mohammad Hafizuddin Haji Jumali	Universiti Kebangsaan Malaysia	INDUSTRY
508	Vibro-Acoustics Modeling, Prediction And Development Of Control Systems For Road Transport Vehicles	Mohd. Jailani bin Mohd Nor	Universiti Kebangsaan Malaysia	INDUSTRY
509	Junction Diode Using Metal Oxides Nanowires Thin Films	Muhammad bin Yahaya	Universiti Kebangsaan Malaysia	INDUSTRY
510	Development Of Post-Tensioned Lightweight Concrete For Load Bearing Structural Elements.	Muhammad Fauzi Bin Mohd Zain	Universiti Kebangsaan Malaysia	INDUSTRY

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511	Photoacoustic Cell For Investigations Of Solids At Various Temperatures	Hasan Adli Alwi	Universiti Kebangsaan Malaysia	INDUSTRY
512	Development Of A Continuos Solar-Assisted Dehumidification System For High Quality Dried Lemongrass For Export Market	Kamaruzzaman Sopian	Universiti Kebangsaan Malaysia	INDUSTRY
513	Development Of Single Step Renewable Hydrogen Production System From Agrowaste Using Aqueous Phase Reforming (Apr)	Zahira Yaakob	Universiti Kebangsaan Malaysia	INDUSTRY
514	Development Of Thermocouple Mesh System To Measure Three Dimensional Temperature Profile Of Polyolefin Melt Inside Twin Screw Extruder	ROZAIDI RASID	Universiti Kebangsaan Malaysia	INDUSTRY
515	Automated Vision Based Fruit Size Grading System	Mohd. Marzuki bin Mustafa	Universiti Kebangsaan Malaysia	INDUSTRY
516	Development Of Ruthenium-Doped Tris(Dithiolene)Tungstate Photocatalyst For Solar Assisted Photoelectrochemical Cell (Solarpec) For Photolysis Of Water	Mohammad B. Kassim	Universiti Kebangsaan Malaysia	INDUSTRY
517	Development Of New Binder System For Metal Injection Molding Process Using A Locally Extracted Material	Dr. Norhamidi bin Muhamad	Universiti Kebangsaan Malaysia	INDUSTRY
518	Electrodeposition And Characterization Of Nanocrystalline Cuprous Oxide (Cu ₂ O) Films For Photoelectrochemical Solar Cells.	Ibrahim bin Abu Talib	Universiti Kebangsaan Malaysia	INDUSTRY
519	Modifications And New Developments Of Carbide Cutting Tool Geometry For Machining Cast Iron	Jaharah binti A Ghani	Universiti Kebangsaan Malaysia	INDUSTRY
520	Fault Diagnosis And Isolation Of Smart Engine Mounting System For Automotive Applications	Mohd Hanif Md Saad	Universiti Kebangsaan Malaysia	INDUSTRY
521	Rubber Toughened Polyester Kenaf Fiber Composite	Sahrim Haji Ahmad	Universiti Kebangsaan Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
522	Carbon Based Composite Electrode From Pre-Carbonized Oil Palm Empty Fruit Bunches For Electrochemical Supercapacitors	MOHAMAD DERAMAN	Universiti Kebangsaan Malaysia	INDUSTRY
523	Green Envelope And Breathing Construction Materials	Khairiah binti Haji Badri	Universiti Kebangsaan Malaysia	INDUSTRY
524	Statistical Analysis For Prediction And Optimization Of Strength And Slump Of High Performance Concrete	Muhammad Fauzi Bin Mohd Zain	Universiti Kebangsaan Malaysia	INDUSTRY
525	Superheated Steam Drying Of Oil Palm Frond Chips In A Vibrating Fluidized Bed Dryer	Meor Zainal Meor Talib	Universiti Kebangsaan Malaysia	INDUSTRY
526	Mapping The Faulty Behaviors Of Defective Rf Mems Filter For Self-Testable Design	Mohd. Alauddin bin Mohd. Ali	Universiti Kebangsaan Malaysia	INDUSTRY
527	Development Of A Compact Instrument For Long-Term Fetal Heart Rate Monitoring	Mohd. Alauddin bin Mohd. Ali	Universiti Kebangsaan Malaysia	INDUSTRY
528	Development Of Chemical And Biochemical Sensors For Capsaicin (Chilli Hotness) Quantification	Musa bin Ahmad	Universiti Kebangsaan Malaysia	INDUSTRY
529	Bulk-Metallic Glasses And Its Applications: Constitutive Modeling, Finite Element Analysis And Experimental Investigation	Nik Abdullah Nik Mohamed	Universiti Kebangsaan Malaysia	INDUSTRY
530	Degradable Biocements Based Nano Hydroxyapatite / Alginate-Gel Protein For Bone Healing.	Roslinda binti Shamsudin	Universiti Kebangsaan Malaysia	INDUSTRY
531	Development Of Novel Beta Titanium Alloys For Biomaterials	Syarif Junaidi Sjarifuddin Djalil	Universiti Kebangsaan Malaysia	INDUSTRY
532	Development Of Novel Dual-Phase Steel For Automotive Body Via Substitutional Solid-Solution Mechanism	Syarif Junaidi Sjarifuddin Djalil	Universiti Kebangsaan Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
533	Study Of Long Spanning Profiled Steel Sheet Dry Board (Pssdb) Floor Subject To Lateral Loading	Wan Hamidon bin Wan Badaruzzaman	Universiti Kebangsaan Malaysia	INDUSTRY
534	Development Of Humid-Sensitive Nanometal Oxides Thin Film By Thermal Evaporation Method	Muhammad Azmi bin Abdul Hamid	Universiti Kebangsaan Malaysia	INDUSTRY
535	Nonionic Surfactants From Palm Oil Derivatives	Mohd Ambar bin Yarmo	Universiti Kebangsaan Malaysia	INDUSTRY
536	Fugacity Dynamic Multi-Compartmental Mass Balance Model Of Persistent Organic Pollutants	Abdul Amir H. Kadhum	Universiti Kebangsaan Malaysia	INDUSTRY
537	Development Of High Frequency Vibro-Acoustic Sensor System For Automotive Engine Performance Monitoring	Mohd Zaki Nuawi	Universiti Kebangsaan Malaysia	INDUSTRY
538	Automated Weigh-In-Motion Systems For Data-Collection And Enforcement	Ahmad Saifizul Abdullah	Universiti Malaya	INDUSTRY
539	Development Of Vision Based Automated Driver System For Intelligent Navigation System	Ahmad Saifizul Abdullah	Universiti Malaya	INDUSTRY
540	Hardware In-The-Loop Simulation For Control System Designs Of Mini Scale Rotorcraft	Zahari bin Taha	Universiti Malaya	INDUSTRY
541	Improvement Of Peat And Clay Soils For Construction Industry.	Roslan Hashim	Universiti Malaya	INDUSTRY
542	Development Of A Multi-Feature Recognition System For Autonomous Mobile Robot	Yap Hwa Jen	Universiti Malaya	INDUSTRY
543	Innovative Asphalt Pavement Using Palm Oil Fiber	Mohamed Rehan bin Karim	Universiti Malaya	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
544	Development Of Aerated And Non-Aerated Power Cohesion Measurement Methods.	Ezzat Chan Abdullah @Chan Beng Kuan	Universiti Malaya	INDUSTRY
545	Development Of High Performance And Durable Rice Husk Ash Concrete	Hilmi bin Mahmud	Universiti Malaya	INDUSTRY
546	Utilization Of Incinerator Ash As Construction Material	Hashim bin Razak	Universiti Malaya	INDUSTRY
547	Steel Connections Behaviour Under Fire Loading	Nor Hafizah Ramli @ Sulong	Universiti Malaya	INDUSTRY
548	Investigation On Ultimate Behavior Of Steel And Steel- Concrete Structural Shell Systems For Enclosing Large Spaces , Numerical And Experimental Analysis	ISMAIL BIN OTHTMAN	Universiti Malaya	INDUSTRY
549	Development Of A Robotic Drilling System With Haptic Interface	Zahari bin Taha	Universiti Malaya	INDUSTRY
550	Investigation Into Minimal Cutting Fluid Application Technique In High Speed Milling Operation	Mohd Hamdi bin Abd Shukor	Universiti Malaya	INDUSTRY
551	Development Of A Quantitative Assessment System For Mental And Upper Limb Muscle Fatigue On Repetitive Task Load In Manufacturing Industries	Siti Zawiah binti Md. Dawal	Universiti Malaya	INDUSTRY
552	The Development And Fabrication Of Miniature Heat Exchangers	Bushroa Abdul Razak	Universiti Malaya	INDUSTRY
553	Development Of Engineering Automated Rapid Maxillary Expander For Dento-Facial Applications.	Noor Azuan bin Abu Osman	Universiti Malaya	INDUSTRY
554	Organic Solar Cells	Khaulah @ Che Som Sulaiman	Universiti Malaya	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
555	Development Of Novel Nanocatalysts For Environmental Pollution Protection And Bio-Medical Applications	Iskandar Idris Yaacob	Universiti Malaya	INDUSTRY
556	Generation Of Pulsed Plasma Streams And Particle Beams For Applications In Nano Scaled Material Surface Modification	Wong Chiow San	Universiti Malaya	INDUSTRY
557	Production Of Palm Biodiesel From Rbd Palm Oil Using Continuous Membrane Reactor	Abdul Aziz Abdul Raman	Universiti Malaya	INDUSTRY
558	Electrodeposition Of Semiconductor Thin Films For Device Applications.	Wan Jeffrey Basirun	Universiti Malaya	INDUSTRY
559	Molecular Rationalization Of The Stability Of Glycolipid Bilayers	Rauzah binti Hashim	Universiti Malaya	INDUSTRY
560	Behavior Of High Performance Reinforced Concrete Beams For Repeated Loads And Fatigue.	Mohd. Zamin Jumaat	Universiti Malaya	INDUSTRY
561	Development Of Novel H ₂ s And Co ₂ 'Molecular Basket' Adsorbent Materials From Palm Shell For Natural And Biogas Purification	Mohamed Kheireddine Aroua	Universiti Malaya	INDUSTRY
562	The Use Of Zircon (ZrSiO ₄) Matrix To Immobilize Radioactive Materials And Wastes	Yusoff bin Mohd.Amin	Universiti Malaya	INDUSTRY
563	Cathode Materials For Lithium Ion Batteries	Abdul Kariem Mohd Arof	Universiti Malaya	INDUSTRY
564	Develop An Injectable, Biocompatible And In-Situ Crosslinkable Bone Fracture Cement	Wan Abu Bakar Bin Wan Abas	Universiti Malaya	INDUSTRY
565	Preparation And Fabrication Of Resonant Cavity Organic Light Emitting Diode (Rc-Oled) Containing Small Molecules Of Tris (8-Hydroxyquinoline Aluminum), Alq ₃ For Colour Generation And Visual Displays.	Wan Haliza binti Abd Majid	Universiti Malaya	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
566	Programmable High Efficiency Permanent Magnet Linear Electrical Motor For Linear Piston Pump Application	Hamzah Arof	Universiti Malaya	INDUSTRY
567	Novel And Sustainable Construction System For Flood Control Using Neuro-Fuzzy Logic.	Ramani Bai V.	Universiti Malaya	INDUSTRY
568	Studies On Palm Oil Biomass Properties And Energy Data For Combustion Enhancement In Boilers	Mohd Zamri bin Zainon @ Baharom	Universiti Malaya	INDUSTRY
569	Design And Development Of Inverter Drive System For Air-Conditioners Driven By High-Energy Efficiency Interior Permanent Magnet (Ipm) Motor	Nasrudin bin Abd Rahim	Universiti Malaya	INDUSTRY
570	Manufacturing Of Advanced Bioreactor For Mechanical Cell Conditioning	Belinda Murphy	Universiti Malaya	INDUSTRY
571	Energy Efficient Nano Coating To Control Solar Radiation Through The Glasses Of Building Windows	Mohd Faizul bin Mohd Sabri	Universiti Malaya	INDUSTRY
572	The Use Of A Hphx System For Reducing Energy Consumption Of Treating Ventilation Air In Hospitals Located In Tropical Climates	Yau Yat Huang	Universiti Malaya	INDUSTRY
573	High Power Converter For The Realization Of Facts Controllers	Saad Mekhilef	Universiti Malaya	INDUSTRY
574	Development Of A Polymer Composite With Improved Crack Resistance For Dental Restoration Applications	Zamri Radzi	Universiti Malaya	INDUSTRY
575	Development Of Palm Oil Based Dental Polymers.	Noor Hayaty Abu Kasim	Universiti Malaya	INDUSTRY
576	Synthesis And Reactivity Studies Of Organotransition Metal Cluster Complexes With Potential Catalytic Properties.	Richard Wong Chee Seng	Universiti Malaya	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
577	Development Of Superior Grade Gaharu Extract Via Enzymatic Intensification Steam Distillation Process	Rosli bin Mohd Yunus	Universiti Malaysia Pahang	INDUSTRY
578	Thermochemical Conversion Of Biomass To Synthetic Gasoline	Khairuddin Md Isa	Universiti Malaysia Perlis	INDUSTRY
579	Fabrication Of Hybrid Electronic Tongue For Water Quality Monitoring In Aquaculture Industry Based On Sensor Arrays And Pattern Recognition	Mohd Noor bin Ahmad	Universiti Malaysia Perlis	INDUSTRY
580	Development Of Ultrasonic Technology To Extract Carrageenan From Seaweeds And Online Estimation	Awang Bono	Universiti Malaysia Sabah	INDUSTRY
581	Lignin And Cellulose Wood For Polymetric Electrolyte	Fauziah binti Hj Aziz	Universiti Malaysia Sabah	INDUSTRY
582	Improved Synthesis Of Poly(Hydroxamic Acid)-Poly(Amidoxime) Resin As Effective Chelator For Toxic Metals Removal From Aqueous Media	Md. Lutfor Rahman	Universiti Malaysia Sabah	INDUSTRY
583	Production Of Biodiesel From Encapsulated Lipase In Immobilized Bioreactor	Chan Eng Seng	Universiti Malaysia Sabah	INDUSTRY
584	Development Of Advanced Artificial Clay (Ceramic) Membrane	Rosalam Hj. Sarbatly	Universiti Malaysia Sabah	INDUSTRY
585	The Development Of Compact Pem Electrolyzer Unit For Renewable Hydrogen Production	Mohd Zamri Ibrahim	Universiti Malaysia Terengganu	INDUSTRY
586	Fabrication Of High Temperature Superconducting Multilayer Josephson Junctions For The Development Of Superconducting Quantum Interference Devices(Squids)	Abd Halim bin Shaari	Universiti Putra Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
587	Study Of Novel Nanoscale Multiferroic Materials Via Magnetic And Electrical Properties Manipulation	Abd Halim bin Shaari	Universiti Putra Malaysia	INDUSTRY
588	Production Of Antioxidant Nutraceuticals From By-Products Of Pink Guava Puree Industry	Amin bin Ismail	Universiti Putra Malaysia	INDUSTRY
589	Delivery Of Therapeutic Peptides Into Human Liver Cells Using Virus-Like Nanoparticles	Tan Wen Siang	Universiti Putra Malaysia	INDUSTRY
590	Proton Exchange Membranes Of Sulfonated Inorganic Polymer/Metal Oxide Nanocomposites For Direct Methanol Fuel Cell (Dmfc) Applications	Elias bin Saion	Universiti Putra Malaysia	INDUSTRY
591	The Effect Of Nano-Sized Starting Powders On The Physico-Chemical Properties Of The Superconducting Ceramics Prepared Via Coprecipitation Method.	Zulkarnain bin Zainal	Universiti Putra Malaysia	INDUSTRY
592	Development Of A New Microwave Extraction And Separation Systems For Production Of Essential Oil, Virgin Oil And Oil Recovery.	Kaida Khalid	Universiti Putra Malaysia	INDUSTRY
593	Synthesis And Characterization Of Metal Complexes And Schiff Bases Derived From Natural Dyes (Eg. Curcumin And Lawsone).	Kamaliah Binti Sirat	Universiti Putra Malaysia	INDUSTRY
594	Fabrication Of Multilayers Manganite Thin Films Having Lfmr Effect Using Pulsed Laser Ablation Technique	LIM KEAN PAH	Universiti Putra Malaysia	INDUSTRY
595	Preparation Of Rare-Earth Exchanged Zeolite For Sorption Removal Of Hazardous Anions	Md Jelas Haron	Universiti Putra Malaysia	INDUSTRY
596	Synthesis Of Multifunctional Nanoparticles Using Biomaterials As Shape Directing Agents	Mohd Zobir bin Hussein	Universiti Putra Malaysia	INDUSTRY
597	Anisotropic Catalysts As The Driving Force For The Growth Of Vertically Aligned Carbon Nanotubes	Irmawati binti Ramli	Universiti Putra Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
598	Development Of A Pda-Based Microwave Sensor For Non-Destructive Determination Of Moisture Content In Grains And Seeds	Zulkify bin Abbas	Universiti Putra Malaysia	INDUSTRY
599	Development Of Microarray, Based On Novel Nanotransducers For Metal Ion Sensors, Exploiting Amino Acids And Peptides As Recognition Elements	Nor Azah binti Yusof	Universiti Putra Malaysia	INDUSTRY
600	Biocomposites From Biodegradable Polymers And Modified Oil Palm Empty Fruit Bunch Fiber	Nor Azowa Ibrahim	Universiti Putra Malaysia	INDUSTRY
601	Fabrication Of Molecular Imprinted Polymer (Mip) For Waste Water Treatment	Nor Azah binti Yusof	Universiti Putra Malaysia	INDUSTRY
602	Synthesis And Characterization Of Bismuth-Based Oxide Ion Conductors As New Sensor Materials	Tan Yen Ping	Universiti Putra Malaysia	INDUSTRY
603	Economics And Strategic Management Evaluation Of Global Agribusiness Competitiveness: The Case Of Malaysian Halal Hub Aspirations	Mohd Ghazali Mohayidin	Universiti Putra Malaysia	INDUSTRY
604	Preparation And Characterization Of Fatty Hydrazide Acids From Palm Oil	Wan Md Zin Bin Wan Yunus	Universiti Putra Malaysia	INDUSTRY
605	Novel Microstructures And Reactivity Of Vanadium Phosphate Catalysts For Partial Oxidation Of Light Hydrocarbons	Taufiq Yap Yun Hin	Universiti Putra Malaysia	INDUSTRY
606	Enhancing The Properties Of Selected Recycle Paper Products Through Blending With Kenaf (Hibiscus Cannabinus) Fibre.	Jalaluddin Harun	Universiti Putra Malaysia	INDUSTRY
607	Development Of An Alternative Bone Graft For Used In Bone Repair	Md Zuki bin Abu Bakar @ Zakaria	Universiti Putra Malaysia	INDUSTRY
608	Environmetal Evaluation Of Biofuels: A Comparative Study Of Conventional Fossil Fuel Diesel And Palm Oil Base Biodiesel Using Life Cycle Assessment Approach	Mad Nasir Shamsudin	Universiti Putra Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
609	Preparation And Characterization Of Zinc Oxide Nanoparticle As Photocatalyst	Abdul Halim Abdullah	Universiti Putra Malaysia	INDUSTRY
610	Synthesis Of Layered Organic-Inorganic Nanohybrid Materials: Organic Dye, Aluminon Intercalated Into Layered Double Hydroxide	Sarinawani Abdul Ghani	Universiti Putra Malaysia	INDUSTRY
611	Development Of A.I.-Based Machining Parameter Prediction Device With Machine Performance Degradation For Turning Process	WONG SHAW VOON	Universiti Putra Malaysia	INDUSTRY
612	Development Of Bio-Ethanol From Wood Waste And Oil Palm Lignocellulosic Materials Use As Engine's Fuel	H'ng Paik San	Universiti Putra Malaysia	INDUSTRY
613	Synthesis, Characterization And Applications Of Palm Based Ether (Fatty Alcohol Ethoxylates) Surfactants In Personal Care	Anuar bin Kassim	Universiti Putra Malaysia	INDUSTRY
614	Characterization Of Thermal Properties For Biodiesels And Biodiesel-Petrodiesel Blends Using New Photothermal Technique	Ionel Valeriu Grozescu	Universiti Putra Malaysia	INDUSTRY
615	Electrochemical Studies Of Cuprate And Magnesium Diboride Superconducting Materials	Tan Wee Tee	Universiti Putra Malaysia	INDUSTRY
616	Development Of Oil Palm Carbon-Based Supercapacitors For Energy Storage	Zulkarnain bin Zainal	Universiti Putra Malaysia	INDUSTRY
617	Preparation Of High Efficient Oled From Metal Chalcogenides And Polythiophene Derivatives For Display Applications	Zulkarnain bin Zainal	Universiti Putra Malaysia	INDUSTRY
618	Design And Development Of A Multiple-Input Single-Output Space-Time-Frequency Coded-Ofdm Modem For Broadband Communications	Nor Kamariah Noordin	Universiti Putra Malaysia	INDUSTRY
619	Simulation Of Fatigue Crack Propagation Of 2024-T351 Aluminium Aircraft Friction Stir Welded Joints	Aidy Ali	Universiti Putra Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
620	Low Loss Micromachined Microwave Transmission Line And Filters For Rf Mems Application	Alyani Ismail	Universiti Putra Malaysia	INDUSTRY
621	Development Of A Moldable And Non-Extruding Polyurethane Roofing Materials Using Palm Oil Based Eutectic Phase Change Materials As Thermal Energy Storage	Chuah Teong Guan@Luqman Chuah Abdullah	Universiti Putra Malaysia	INDUSTRY
622	Development Of Low Pressure Compression Moulding Method For Multi-Layered Heat Insulator Laminated Hybrid Biocomposite	Khalina Abdan	Universiti Putra Malaysia	INDUSTRY
623	Development Of An Integrated Cad And Failure Mode And Effects Analysis System For Mechanical Components	Napsiah binti Ismail	Universiti Putra Malaysia	INDUSTRY
624	Detoxification Of Water And Removal Of Pollutants In Hazardous Effluent By Oscillatory Flow Mixing	Tinia Idaty Mohd. Ghazi	Universiti Putra Malaysia	INDUSTRY
625	Gasification Of Agro-Waste To Produce Bio-Fuel.	Wan Azlina Wan Ab. Karim Ghani	Universiti Putra Malaysia	INDUSTRY
626	Evaluation Of Organizational Capabilities For New Technology Implementation In Small And Medium Scale Manufacturing Enterprises	Rosnah bt. Mohd Yusuff	Universiti Putra Malaysia	INDUSTRY
627	Renewable Energy Production From Agro-Industry Biomass Using Microwave Technology	Rozita binti Omar	Universiti Putra Malaysia	INDUSTRY
628	Susceptor Packaging Material For Differential Heating In Microwave With Special Application For Microwave Reheating Of Frozen Foods	Russly bin Abd Rahman	Universiti Putra Malaysia	INDUSTRY
629	Design And Development Of Experimental And Numerical Simulation Models Of Motorcycle Crashes	WONG SHAW VOON	Universiti Putra Malaysia	INDUSTRY
630	Ion Dynamics And Transport In Chalcogenide Ge-Se-Ag Glass System	Sidek bin Hj Abd Aziz	Universiti Putra Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
631	The Design, Analysis, Fabrication And Flight Testing Of A Fixed Wing Unmanned Aerial Vehicle (Uav) For Deep Sea Fish School Spotting	Zairil Azhar bin Zaludin	Universiti Putra Malaysia	INDUSTRY
632	Design And Development Of A Prototype Variable Frequency Ohmic Heating Unit For Beverages	Norman bin Mariun	Universiti Putra Malaysia	INDUSTRY
633	Development Of Bio Mastic Fatigue Resistant Asphalt For Road Mixtures	Ratnasamy Muniandy	Universiti Putra Malaysia	INDUSTRY
634	Electron Beam Irradiated Thermal Resistance Polyurethane-Clay Nanocomposited Polyol	Saari bin Mustapha	Universiti Putra Malaysia	INDUSTRY
635	Efficiency And Productivity Of Malaysian Seaports	Arfah binti Salleh	Universiti Putra Malaysia	INDUSTRY
636	International Competitiveness Of The Malaysian Manufacturing Industries	Mohd. Azhar Abdul Karim	Universiti Putra Malaysia	INDUSTRY
637	Post-Buckling Analysis Of Hybrid Composite Laminated Fuselage Structures.	Rizal Zahari	Universiti Putra Malaysia	INDUSTRY
638	Studies On Mo-V-O Based Mixed Oxide Catalysts Synthesised By Reflux Method	Irmawati binti Ramli	Universiti Putra Malaysia	INDUSTRY
639	Isolation And Characterization Of Tannin From Acacia Mangium Tree Bark For Wood Adhesive	Paridah Md. Tahir	Universiti Putra Malaysia	INDUSTRY
640	Floating Catalyst Carbon Nanotube Synthesis In Fluidized Bed And Characterizations	Mohamad Amran bin Mohd Salleh	Universiti Putra Malaysia	INDUSTRY
641	A Problem Solution For The Night Cooling In Solar Water Heaters By Using Thermal Stratification	Megat Mohamad Hamdan bin Megat Ahmad	Universiti Putra Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
642	Development Of A New Material For Municipal Solid Waste Leachate Treatment -Case Study At Pulau Burung Landfill.	Hamidi bin Abdul Aziz @ Abdul Rahman	Universiti Sains Malaysia	INDUSTRY
643	The Production Of Thermoplastic-Kenaf Composites With Enhanced Mechanical Property Through Incorporation Of Nanofiller	Rozman Hj. Din	Universiti Sains Malaysia	INDUSTRY
644	Automated Methods For The Determination Of Palm Oil Quality Parameters	Bahrudin bin Saad	Universiti Sains Malaysia	INDUSTRY
645	Reinforcement Of Natural Rubber Latex Films By Soya Proteins.	Baharin bin Azahari	Universiti Sains Malaysia	INDUSTRY
646	Silica From Rice Husk By Solvent Extraction - Transition Metal Modification And Mechanistic Investigation As A Heterogeneous Catalyst For Organic Reactions	Farook Adam	Universiti Sains Malaysia	INDUSTRY
647	Synthesis And Characterization Of Novel Electroluminescent Transition Metal Complexes As Active Light Emitter Materials In Electronic Display Devices	Teoh Siang Guan	Universiti Sains Malaysia	INDUSTRY
648	Studies On Freezing Point Depression Of Palm Oil By Using Natural Blenders For The Enhancement Of Its Market Acceptability	Anees Ahmad	Universiti Sains Malaysia	INDUSTRY
649	Ni-Sno ₂ Nanoparticles : Synthesis, Characterization, Hydrogenation Activity On Alkenes And Theoretical Study	Rohana Adnan	Universiti Sains Malaysia	INDUSTRY
650	Physical, Mechanical And Thermal Fundamental Studies Of Main Commodity Plant Wastes Fibres	Abdul Khalil bin H P Shawkataly	Universiti Sains Malaysia	INDUSTRY
651	Separation And Characterization Of Vanillin From Soda Lignin Extracted From Black Liquor Of Oil Palm Empty Fruit Bunch.	Mohamad Nasir Bin Mohamad Ibrahim	Universiti Sains Malaysia	INDUSTRY
652	Synthesis, Characterization And Evaluation Of Symmetry And Non-Symmetry Liquid Crystals (Lcs) With Ferroelectric And Antiferroelectric Properties For Lcd	Yeap Guan Yeow	Universiti Sains Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
653	Supercritical Carbon Dioxide Extraction And Regeneration Of Spent Bleaching Clays	Mohd Omar Ab. Kadir	Universiti Sains Malaysia	INDUSTRY
654	Development Of Semiconductor Based Photocatalytic Gas Sensor For Detection Of Hazardous Volatile Organic Compounds (Vocs)	Mohamad Zailani Abu Bakar	Universiti Sains Malaysia	INDUSTRY
655	Study On The Characteristics Of Various Types Of Adhesives For The Development Of Oil Palm Veneer As Lamination Products	Othman Sulaiman	Universiti Sains Malaysia	INDUSTRY
656	The Production Of High Quality Pulps And Papers By Using Environmentally Compatible Chlorine-Free Bleaching Sequences	Leh Cheu Peng	Universiti Sains Malaysia	INDUSTRY
657	Development Of Silicon Dioxide (SiO ₂) Gate On Single-Crystal Silicon Carbide (SiC)-Based Switching Device For High-Power And High-Temperature Applications.	Cheong Kuan Yew	Universiti Sains Malaysia	INDUSTRY
658	Development Of Efficient Nonlinear Model-Based Control Strategy For Batch Reactors: A Case Study On Esterification Of Citronellyl Laurate Via Immobilized Lipase	Norashid bin Aziz	Universiti Sains Malaysia	INDUSTRY
659	Production Of Precipitated Calcium Carbonate (Pcc) With Various Morphology And Characteristic Using Local Limestone-Based Materials Via Continuous Production Technique.	NORLIA BAHARUN	Universiti Sains Malaysia	INDUSTRY
660	Development Of An Automatic Real-Time Intelligent Aggregate Classification System Based On Image Processing And Neural Networks	Nor Ashidi Mat Isa	Universiti Sains Malaysia	INDUSTRY
661	Ti-Al Alloys Development : Effect Of Alloying Elements And Surface Treatment On The High-Temperature Oxidation Behavior.	Nurulakmal Bt Mohd Sharif	Universiti Sains Malaysia	INDUSTRY
662	Development Of Natural Rubber Foam And Characterisation Of Its Structure-Properties Relationship For Sound Proofing And Shock Absorbing Applications	Zulkifli Bin Mohamad Ariff	Universiti Sains Malaysia	INDUSTRY
663	A Study On The Use Of Dissolved Air Flotation Process For The Treatment Of Leachate From Landfill Site.	Hamidi bin Abdul Aziz @ Abdul Rahman	Universiti Sains Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
664	The Development Of A Composite Adsorption/Membrane Unit For Separation Of Impurities In Gases Using Hydrotalcites	Mohd Roslee bin Othman	Universiti Sains Malaysia	INDUSTRY
665	Design And Development Of A Computerised Integrated Manufacturing Planning System On The Basis Of Machine Factor For The Semiconductor Industries	Shahrul Kamaruddin	Universiti Sains Malaysia	INDUSTRY
666	Investigation On The Suitability Of Biomass Component Of Cerbera Odollam As Bio Preservatives For Wood And Wood Based Composites	Rokiah Hashim	Universiti Sains Malaysia	INDUSTRY
667	Development Of Integrated Cad/Cam System For Cold Forging Die Design Process	Zahurin Samad	Universiti Sains Malaysia	INDUSTRY
668	Development Of An Automatic Variable Focus Fluid Lens System	Mani Maran Ratnam	Universiti Sains Malaysia	INDUSTRY
669	Synthesis, Characterization, And Testing Of Manganese Oxide/Carbon Nanotube Nanocomposites As Supercapacitor Materials	Sharif Hussein Sharif Zein	Universiti Sains Malaysia	INDUSTRY
670	The Development Of Tilt Measuring Device Using Mems Accelerometer	Ishak Haji Abdul Azid	Universiti Sains Malaysia	INDUSTRY
671	Formation Of Crosslinked Polyolefins Foam By Using Waste Polymer And Agricultural Waste	Coswald Stephen Sipaut @ Mohd Nasri	Universiti Sains Malaysia	INDUSTRY
672	Development Of Multiple Input Multiple Output (Mimo) Wireless Testbed	MOHD FADZIL BIN AIN	Universiti Sains Malaysia	INDUSTRY
673	Development Of A Portable Generic Intelligent System For Flow Measurement Using Electrical Capacitance Tomography Sensor	Junita Binti Mohamad Saleh	Universiti Sains Malaysia	INDUSTRY
674	Development Of Hydroxyapatite Filled Poly(Methyl Methacrylate) Dental Materials With High Mechanical Performance, Enhanced Environmental Stability And Radio Opacity Behavior	Chow Wen Shyang	Universiti Sains Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
675	Development Of Catalytic Zeolite Membrane For Simultaneous Conversion And Separation Of Para-Xylene From Xylene Isomers	Subhash Bhatia	Universiti Sains Malaysia	INDUSTRY
676	Utilization Of Recycled Materials For The Production Of Wood-Plastic Composites Intended For Outdoor Applications	Razaina Mat Taib	Universiti Sains Malaysia	INDUSTRY
677	Production Of Biodiesel Fuel From Palm Oil Via Non-Catalytic Supercritical Alcohol Transesterification	Lee Keat Teong	Universiti Sains Malaysia	INDUSTRY
678	Utilization Of Paper Sludge As Filler In Thermoplastic Elastomer Composites (Tpec)	Hanafi Ismail	Universiti Sains Malaysia	INDUSTRY
679	Structural Investigation Of Molecular-Based Opto-Electronic Materials From Porphyrin Chromophores	Fun Hoong Kun	Universiti Sains Malaysia	INDUSTRY
680	Impact Study Of Renewable Energy (Re) And Energy Efficiency (Ee) In Secondary Schools	Hashimah Mohd. Yunus	Universiti Sains Malaysia	INDUSTRY
681	Development Of Ultrasonic-Assisted Solid Base Catalyzed Process For The Production Of High Quality Monoglycerides Through Transesterification Of Glycerol And Fatty Acid Methyl Esters	Ahmad Zuhairi bin Abdullah	Universiti Sains Malaysia	INDUSTRY
682	Enhancing Small Medium Industries (Smi) Agenda On Energy Efficiency (Ee) And Renewable Energy (Re)	Mohammed Zin Bin Nordin	Universiti Sains Malaysia	INDUSTRY
683	A Study On The Biological Efficacy Of Synthetic Bone Scaffold Enhanced With Plasma Rich Growth Factors In Vitro And In Vivo	NOR SHAMSURIA OMAR	Universiti Sains Malaysia	INDUSTRY
684	Development Of High Performance Composite Materials From Semi Amorphous Hybrid Minerals Fillers From Local Resources For Automotive Industry.	Samayamutthirian @ Thilagan Palaniandy	Universiti Sains Malaysia	INDUSTRY
685	Development Of New Distribution Automation System And Remote Metering System	Musse Mohamud Ahmed	Universiti Teknikal Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
686	Design Of A 6 Degree Of Freedom (6dof) Motion Base For Vehicle Driving Simulator	Mohamad Kasim bin Abdul Jalil	Universiti Teknologi Malaysia	INDUSTRY
687	Development Of New Nonlinear Robust Controller For Stabilization Of Active Magnetic Bearing System	Mohamad Noh Ahmad	Universiti Teknologi Malaysia	INDUSTRY
688	Design And Development Of A Magnetorheological Shock Absorber For Automotive Applications	Hishamuddin bin Jamaluddin	Universiti Teknologi Malaysia	INDUSTRY
689	Generation Of Bioelectrochemical Energy From The Degradation Of Cellulose In Agriculture Wastes	Adibah binti Yahya	Universiti Teknologi Malaysia	INDUSTRY
690	Development Of A Converter To Interface Ultra-Capacitor Energy Storage To An Alternate Energy Resource	Abdul Halim bin Mohamed Yatim	Universiti Teknologi Malaysia	INDUSTRY
691	Harnessing Cooling Effects From A Portable Thermoacoustic Refrigeration	Normah binti Mohd. Ghazali	Universiti Teknologi Malaysia	INDUSTRY
692	Laboratory Scale For Acid Catalyzed Transformation Of Petrol-Fuel To Clean Fuels	Sugeng Triwahyono	Universiti Teknologi Malaysia	INDUSTRY
693	An Intelligent Ant Colony Algorithm For Optimising Facility Layout	Wong Kuan Yew	Universiti Teknologi Malaysia	INDUSTRY
694	Mms : Mobile Monitoring System Using Electrical Capacitance Tomography (Ect)	Ruzairi bin Hj Abdul Rahim	Universiti Teknologi Malaysia	INDUSTRY
695	Development Of A Two-Link Flexible Robot Manipulator With Input Shaping Control Schemes	Zaharuddin bin Mohamed	Universiti Teknologi Malaysia	INDUSTRY
696	Development Of Ultrasonic Tomography For Composition Determination Of Water And Oil Flow	Ruzairi bin Hj Abdul Rahim	Universiti Teknologi Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
697	Development Of A Novel Compaction Extrusion Method For The Production Of High Performance Transparent Polyglass Sheets For High Rise Buildings	Hanizam bin Sulaiman	Universiti Teknologi Malaysia	INDUSTRY
698	Theoretical And Experimental Study On The Effect Of The Turbulence Production On The Mixing In A Tubular Combustor Of A Micro-Gas Turbine	Mohammad Nazri bin Mohd. Jaafar	Universiti Teknologi Malaysia	INDUSTRY
699	A New Technique For Predicting Damage In Advanced Interconnect Materials For Microelectronic Applications	MOHD NASIR TAMIN	Universiti Teknologi Malaysia	INDUSTRY
700	Performance Characterization Of Advanced Alloys For High-Temperature Recuperators Applications In Improved Efficiency Microturbines	MOHD NASIR TAMIN	Universiti Teknologi Malaysia	INDUSTRY
701	Development Of Low Density Polyethylene/Sago Based Biofilm Via Blow Film Molding Technique	Wan Aizan binti Wan Abdul Rahman	Universiti Teknologi Malaysia	INDUSTRY
702	Performance Evaluation Of Advanced Finish Sanding On Wood Surface	Safian bin Sharif	Universiti Teknologi Malaysia	INDUSTRY
703	Surfactant Modified Synthetic Zeolites As Drug Support System	Alias bin Mohd Yusof	Universiti Teknologi Malaysia	INDUSTRY
704	Kinetic And Stability Study Of Synthetic Pyretrins Isolated In Inert Matrices And Cationic Nano High Surface Area Metal Oxides.	Abd Rahim bin Yacob	Universiti Teknologi Malaysia	INDUSTRY
705	Development Of Novel Natural Rubber Latex Based Membranes Using Interpenetrating Polymer Network (Ipn) For The Separation Of Azeotropic Mtbe/Methanol Mixtures	Mohd Ghazali bin Mohd Nawawi	Universiti Teknologi Malaysia	INDUSTRY
706	The Development Of Nanoelectronic Devices Using Tcad (Technology Computer Aided Design) Tools	Razali Ismail	Universiti Teknologi Malaysia	INDUSTRY
707	Development Of Photoluminescent Material Based On Silicate Glass Matrix For Display Applications	Rosli bin Hussin	Universiti Teknologi Malaysia	INDUSTRY

No.	Project Title	Project Leader	Institution	Research Cluster
708	Development Of Cost Effective And Environmentally Friendly Solid Fuels From Plastics Waste	Hanizam bin Sulaiman	Universiti Teknologi Malaysia	INDUSTRY
709	Development Of Mixed Matrix Polymer Electrolyte Membranes For Proton Exchange Membrane Fuel Cell (Pemfc)	Azeman bin Mustafa	Universiti Teknologi Malaysia	INDUSTRY
710	Development Of Third Generation High Performance Hybrid Membrane For Effective Removal Of Greenhouse Gas From Hydrocarbon Mixtures.	Azeman bin Mustafa	Universiti Teknologi Malaysia	INDUSTRY
711	Development Of Novel Activated-Mdea Hollow Fiber Membrane Contactor For Co2 From Natural Gas Removal	Ahmad Fauzi bin Ismail	Universiti Teknologi Malaysia	INDUSTRY
712	New Concept Of Construction Method For Foundations System Using Cold-Formed Steel Section.	Mahmood bin Md. Tahir	Universiti Teknologi Malaysia	INDUSTRY
713	Applications Of Adaptive Model Predictive Control For Petroleum Refining Process	Arshad bin Ahmad	Universiti Teknologi Malaysia	INDUSTRY
714	Development Of Transmission Usage Allocation Scheme For Deregulated Power Systems	Mohd Wazir bin Mustafa	Universiti Teknologi Malaysia	INDUSTRY
715	Normal Incidence Sound Absorption Coefficient Of Direct Piercing Carved Wood Panels (Dpcwp) With Geometric Pattern	Mohd. Ngasri bin Dimon	Universiti Teknologi Malaysia	INDUSTRY
716	Design And Development Of A Microcontroller System For Automatic Continuously Variable Transmission	Kamarul Baharin bin Tawi	Universiti Teknologi Malaysia	INDUSTRY
717	Preparation And Characterization Of Rare Earth Organometallic Materials For Solar Cells	Madzlan bin Aziz	Universiti Teknologi Malaysia	INDUSTRY
718	Development Of Marine Current Energy Extraction System	Omar bin Yaakob	Universiti Teknologi Malaysia	INDUSTRY

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719	Thermoelectric Generator (Teg) From Automotive Exhaust Gases Waste Heat	Mohd Nor bin Musa	Universiti Teknologi Malaysia	INDUSTRY
720	Modeling And Analysis Of Distribution Networks Connected To Waste-Heat Recovery Co-Generators	Khalid bin Mohamed Nor	Universiti Teknologi Malaysia	INDUSTRY
721	Production Of Pure Multi-Walled Carbon Nanotubes (Mwnts) By Using Catalytic Chemical Vapour Deposition (Ccvd) System For Hydrogen Storage	Ahmad Fauzi bin Ismail	Universiti Teknologi Malaysia	INDUSTRY
722	Development Of A Remote Lightning Mapping System Utilising Existing Overhead Telecommunication Cable	Zulkurnain Abdul-Malek	Universiti Teknologi Malaysia	INDUSTRY
723	Power Electronics Converter Control Based On Fuzzy Logic (FI)	Naziha Ahmad Azli	Universiti Teknologi Malaysia	INDUSTRY
724	Polymer Coated Hollow Fibre Membrane Microextraction System	Mohd Marsin bin Sanagi	Universiti Teknologi Malaysia	INDUSTRY
725	Zeolites As Matrix For Protein Purification	Noor Aini bt. Abdul Rashid	Universiti Teknologi Malaysia	INDUSTRY
726	High Performance Blended Membranes Using A Novel Preparation Technique	Ani binti Idris	Universiti Teknologi Malaysia	INDUSTRY
727	Novel Sol-Gel Crown Ether Coating Material For Solid Phase Microextraction Of Organophosphorus Pesticides	Wan Aini binti Wan Ibrahim	Universiti Teknologi Malaysia	INDUSTRY
728	A Functionalized Nanostructure Biomaterial For Improved Separation In Food Processing	Ida Idayu binti Muhamad	Universiti Teknologi Malaysia	INDUSTRY
729	Preparation And Characterization Of Nano Metal Oxides For Solar Cells	Madzlan bin Aziz	Universiti Teknologi Malaysia	INDUSTRY

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730	Development Of Natural Rubber Toughened Polyolefin Based Nanocomposites Using Locally Developed Montmorillonite	Mat Uzir b. Wahit	Universiti Teknologi Malaysia	INDUSTRY
731	Biomimetic Nanostructured Catalysts Based On Metalloporphyrin Dendrimers Immobilized Within Mesoporous Materials	Salasiah binti Endud	Universiti Teknologi Malaysia	INDUSTRY
732	Development Of Fuzzy Techniques For Forecasting Electricity Load Demand	Zuhaimy bin Ismail	Universiti Teknologi Malaysia	INDUSTRY
733	Synthesis And Fabrication Of Novel Re123-Based Ceramic Oxygen Sensor Based On Hot Spot Phenomenon	Ahmad Kamal Hayati Bin Yahya	Universiti Teknologi MARA	INDUSTRY
734	Characterization Of A Novel Light-Weight Metal Matrix Composite With Nanomaterial Reinforcement	Aidah Jumahat	Universiti Teknologi MARA	INDUSTRY
735	Development Of Cerate-Zirconate For Application In Intermediate Temperature Protonic Conductors	Hamidi bin Abd Hamid	Universiti Teknologi MARA	INDUSTRY
736	Development Of Low Cost Catalysts For Nox Reduction In The Flue Gas From Municipal Solid Waste Incinerators	Kamariah Noor Bt Ismail	Universiti Teknologi MARA	INDUSTRY
737	Liquefaction Of Low-Rank Malaysian Coals Via Semi-Continuous Solvent-Flow Two-Stage High-Pressure High-Temperature Reactor System.	Khudzir bin Ismail	Universiti Teknologi MARA	INDUSTRY
738	Development Of Proton Batteries Based On Cellulose Polymer Electrolytes	Dr. Muhd Zu Azhan bin Yahya	Universiti Teknologi MARA	INDUSTRY
739	Development Of A Vibrated Fluidized Bed Mixer Cum Drier For Herbal Products In Small And Medium Industries (Smis)	Norazah binti Abd. Rahman	Universiti Teknologi MARA	INDUSTRY
740	Incorporation Of Malaysian Herbal Extracts As An Antioxidant In Cakes	Noriham Abdullah	Universiti Teknologi MARA	INDUSTRY

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741	Development Of Edible Fruit Coating From Palm Stearin	NORIZZAH BINTI ABD. RASHID	Universiti Teknologi MARA	INDUSTRY
742	Development Of A Ceramic Membrane Bioreactor For The Production Of Lactic Acid	Norliza Ibrahim	Universiti Teknologi MARA	INDUSTRY
743	Development Of Nanocomposite Solid Polymer Electrolyte Films	Ri Hanum Yahaya Subban	Universiti Teknologi MARA	INDUSTRY
744	A Study On Energy (Thermal) Efficient Aquaculture Buildings For Recirculating Tank System.	Sabarinah Sh Ahmad	Universiti Teknologi MARA	INDUSTRY
745	Efb Based Roofing Insulation Material And Optimum Roof System For Energy Efficiency In Industrial Buildings In Tropical Climates	Azni Zain Ahmed	Universiti Teknologi MARA	INDUSTRY
746	Design Of Insulin Loaded Polymeric Nanoparticles For Uptake By Intestinal Cells	Wong Tin Wui	Universiti Teknologi MARA	INDUSTRY
747	Development Of Engineered Built-Up Column Using Betong Bamboo (Dendrocalamus Asper)	Mansur Ahmad	Universiti Teknologi MARA	INDUSTRY
748	The Effects Of Embedded Magnetic Nanoparticles On The Electrical And Magnetic Properties Of Superconductor Tapes	SYED YUSAINEE BIN SYED YAHYA	Universiti Teknologi MARA	INDUSTRY
749	Synthesis And Characterization Of Some Novel Energy Storage Materials	Norlida binti Kamarulzaman	Universiti Teknologi MARA	INDUSTRY
750	Preparation, Characterizations And Application Of Silicon Quantum Dots Nanoparticles (Sqdn) From Free Standing Porous Silicon	Saifollah bin Abdullah	Universiti Teknologi MARA	INDUSTRY
751	Development Of Iron Oxide Silica Aerogel Magnetic Nano-Composte Using Silica Rich Natural Sources As Precursors.	UMI SARAH BT JAIS	Universiti Teknologi MARA	INDUSTRY

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752	Development Of Superpave Designed Hot Mix Asphalt Under Malaysian Environment	Juraidah Ahmad	Universiti Teknologi MARA	INDUSTRY
753	Development Of Biomaterials For Biomedical Applications	Lee (Kok) Pat Moi	Universiti Teknologi MARA	INDUSTRY
754	Development Of High Efficiency Ni-Cu/Tio2-Sio2 Photocatalyst For Solar-Generation Of Hydrogen And Oxygenates.	Chong Fai Kait	Universiti Teknologi PETRONAS	INDUSTRY
755	Development Of A Soft Sensor For Inferential Control Of Fatty Acid Concentration In Palm Oil Fractionation Plant	Marappagounder Ramasamy	Universiti Teknologi PETRONAS	INDUSTRY
756	Development Of Hydrogen Sensor Based On Titania Nanotubes For Medical Applications.	Norani Muti binti Mohamed	Universiti Teknologi PETRONAS	INDUSTRY
757	Development Of Inherent Safety Software For Process Plant Design	Azmi bin Mohd Shariff	Universiti Teknologi PETRONAS	INDUSTRY
758	Design And Implementation Of Switching And Commutation Strategies For Linear Motor	M Noh bin Karsiti	Universiti Teknologi PETRONAS	INDUSTRY
759	Development Of Vibration-Based Micro Power Generator For Wireless Applications	Hanim Salleh	Universiti Tenaga Nasional	INDUSTRY
760	An Experimental And Numerical Investigation Of The Pumping Effect In Rotating Orifices To Prevent Non-Contact Seal Leakage	Mohd Azree bin Idris	Universiti Tenaga Nasional	INDUSTRY
761	An Improved High Strength Alumina-Based Structural Ceramics For Industrial Applications	Ramesh Singh	Universiti Tenaga Nasional	INDUSTRY
762	Development Of Nanoporous Solid Acid Catalyst From Waste Materials For Oil Industries	Halina Misran	Universiti Tenaga Nasional	INDUSTRY

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763	Fabry-Perot Interferometric Optical Pressure Sensor For Turbo-Machinery Application	Md Zaini bin Jamaludin	Universiti Tenaga Nasional	INDUSTRY
764	Development Of Electricity Generation System For Marine Current Energy Extraction In Malaysia.	Ungku Anisa Binti Ungku Amiruldin	Universiti Tenaga Nasional	INDUSTRY
765	Solving Technical Issues Of Integrating Embedded Generators With Renewable Energy Sources In A Distribution Network.	Azni Wati Azizan	Universiti Tenaga Nasional	INDUSTRY
766	Development Of Composite Floor Using Local Industrial Wastes	Abdul Monayem Akhand	Universiti Tenaga Nasional	INDUSTRY
767	Fabrication Of Bi-2212/Nano-Mgo Bulk Superconductor Elements For Applications In Power System	Nasri bin A. Hamid	Universiti Tenaga Nasional	INDUSTRY
768	Micro Hydro Potentials In Malaysia	Ibrahim bin Hussein	Universiti Tenaga Nasional	INDUSTRY
769	Development Of Stormwater Gross Pollutant Traps (Gpt's) Decision Support System For River Rehabilitation	Lariyah Mohd. Sidek	Universiti Tenaga Nasional	INDUSTRY
770	Modeling And Simulation Of Resin Transfer Molding (Rtm) Process	Ahmad Kamal bin Zulkifle	Universiti Tenaga Nasional	INDUSTRY
771	Lean Construction Management (Lcm)	Christy Pathrose Gomez	Universiti Tun Hussein Malaysia	INDUSTRY
772	Development Of Classification Model For Purpose Built Offices In Malaysia	Maziah binti Ismail	Universiti Tun Hussein Malaysia	INDUSTRY
773	Study On Thermal Comfort And Productivity	Adnan Husain	Universiti Tun Hussein Malaysia	INDUSTRY

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774	Design Of New Cutting Tool Geometry For High Speed Drilling Of Titanium Alloy	Kamaruddin bin Kamdani	Universiti Tun Hussein Malaysia	INDUSTRY
775	Development Of High Speed Multiple Sensor Weigh In Motion System	Ignatius Agung Wibowo	Universiti Tun Hussein Malaysia	INDUSTRY
776	Development Of A Mode-Stirred Chamber As A Low-Cost Facility For Electromagnetic Compatibility Measurements	Mohd. Zarar b. Mohd. Jenu	Universiti Tun Hussein Malaysia	INDUSTRY
777	Development Of Modular And Real-Time Manufacturing Machine Control Software Systems	Saparudin bin Ariffin	Universiti Tun Hussein Malaysia	INDUSTRY
778	A 0.35 Micron 16-Bit Pipeline Analog-To-Digital Ic Converter For Biomedical Application	SITI HAWA BINTI RUSLAN	Universiti Tun Hussein Malaysia	INDUSTRY
779	Microstructure And Mechanical Properties Of Squeeze Cast A356 Al-Si Alloy Inoculated With Tic.	Lim Ying Pio	Universiti Tunku Abdul Rahman	INDUSTRY
780	Investigating The Potential Of Harnessing Ocean Energy In Malaysia For Electricity Generation Using Simulation Approach	Lim Yun Seng	Universiti Tunku Abdul Rahman	INDUSTRY
781	Investigation Of Silicon Nanocrystals: Synthesis, Structural And Properties Characterisations	Teh Geok Bee	Universiti Tunku Abdul Rahman	INDUSTRY
782	Two-Stage Heat Pump Drying Of Malaysian Fruits	Law Chung Lim	University of Nottingham Malaysia Campus	INDUSTRY
783	Hybrid Pseudocapacitors Based On Nanoscale Materials For Pulse Applications	S.R.S. Prabaharan	University of Nottingham Malaysia Campus	INDUSTRY
784	Methane And Nitrous Oxide Emissions From Direct-Seeded Rice In Malaysia	Shuhaimen bin Ismail	Malaysian Agricultural Research & Development Institute	SEA TO SPACE

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785	Development Of Rice Field Radar And Yield Prediction Models Using Mobile Scatterometer Measurement And Satellite Image Data	KOO VOON CHET	Multimedia University	SEA TO SPACE
786	Marine Transboundary Pollution Is A National Security Issue	Che Abd. Rahim bin Mohamed	Universiti Kebangsaan Malaysia	SEA TO SPACE
787	Development Of Low Cost Aero-Platform For Airborne Testing Of Avionics System	Norbahiah Misran	Universiti Kebangsaan Malaysia	SEA TO SPACE
788	Development Of Advanced Pulse Jet Heating System For Aerospace Applications	Rozli bin Zulkifli	Universiti Kebangsaan Malaysia	SEA TO SPACE
789	Biodiversity And Ecology Of Invertebrate Fauna Associated With Seagrass Beds At Pulau Tinggi, Mersing, Johor And Adjacent Waters	Ramlan bin Omar	Universiti Kebangsaan Malaysia	SEA TO SPACE
790	Innovative Identification Of Soniferous Fishes Spawning Habitat Using Passive Hydroacoustic Technique	Mazlan bin Abd. Ghaffar	Universiti Kebangsaan Malaysia	SEA TO SPACE
791	Modelling And Determination Of Ionospheric Effects On Gnss Measurements	Mardina binti Abdullah	Universiti Kebangsaan Malaysia	SEA TO SPACE
792	Tracing Anthropogenic Contamination In The Malaysian Estuarine And Marine Environment Using Sewage Derived Sterols.	Masni binti Mohd Ali	Universiti Kebangsaan Malaysia	SEA TO SPACE
793	Biogeographic Analysis Of Marine Macrophytes Using Geographic Information Systems (Gis)	Jillian Ooi Lean Sim	Universiti Malaya	SEA TO SPACE
794	Study On Seawater Intrusion And Evolution Of Protection Strategies For Coastal Erosion	Ramani Bai V.	Universiti Malaya	SEA TO SPACE
795	A Study On The Carbon-Sulphur-Nitrogen Fluxes During Experimental Burning Of Tropical Biomass	Nik Meriam binti Nik Sulaiman	Universiti Malaya	SEA TO SPACE

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796	Reconstruction Of Paleoclimate In Malaysia And Its Surrounding From Late Pleistocene To Present: Speleothem, Karst Landscape And Cave Waters From The Peninsula	Ros Fatimah Muhammad	Universiti Malaya	SEA TO SPACE
797	Investigating Bacteria Mediated Carbon Fluxes In Tropical Coastal Waters	Lee Choon Weng	Universiti Malaya	SEA TO SPACE
798	1.4 Ghz Hydrogen Line Radio Astronomical Survey	Zamri Zainal Abidin	Universiti Malaya	SEA TO SPACE
799	Study Of The Factors Regulating The Bloom Mechanisms Of Harmful Algal Species In Sabah	Ann Anton	Universiti Malaysia Sabah	SEA TO SPACE
800	Coastal Processes And Geomorphologic Characteristics Of Major Coastal Towns In East Sabah For Assessment Of Tsunami Impacts	Felix Tongkul	Universiti Malaysia Sabah	SEA TO SPACE
801	Hydrosystems For Integrated Control Of Flood And Low Flow For A River Basin In Sarawak	Charles Bong Hin Joo	Universiti Malaysia Sarawak	SEA TO SPACE
802	The Spatial And Temporal Change Of Heavy Metals Concentration In Sediment Of Southern Terengganu Waters.	Noor Azhar bin Shazili	Universiti Malaysia Terengganu	SEA TO SPACE
803	Monsoon Effects On Nutrient And Primary Productivity Distribution Pattern In The Coastal Waters Off Kemaman, East Coast Peninsular Malaysia	Mohamed Kamil bin Abdul Rashid	Universiti Malaysia Terengganu	SEA TO SPACE
804	Assessment Of Wave Attenuation Ability Of Selected Mangrove Vegetations	Mohd Lokman bin Husain	Universiti Malaysia Terengganu	SEA TO SPACE
805	Dissolved And Particulate Trace Metal Distribution In The South China Sea Off The Kemaman Coast: Seasonal And Monsoon Effects	Noor Azhar bin Shazili	Universiti Malaysia Terengganu	SEA TO SPACE
806	Determination Of Persistent Organic Pollutants (Pops) In Malaysian Sedimentary Environments And Development Of Sediment Quality Criteria (Sqc) For Hydrocarbons For Coastal Waters	Mohamad Pauzi Zakaria	Universiti Putra Malaysia	SEA TO SPACE

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807	Development Of Airbone-Based Ground Penetrating Radar System For Soil Moisture Mapping Of Agricultural Fields	Jumiah binti Hassan	Universiti Putra Malaysia	SEA TO SPACE
808	Exposure Assessment Of Mercury And Methyl Mercury In Fish	Jinap Selamat	Universiti Putra Malaysia	SEA TO SPACE
809	Multi-Dimensional Evaluation Of Coastal Areas For Sustainable Development; Using Gis	Mohd Ibrahim bin Hj Mohamed	Universiti Putra Malaysia	SEA TO SPACE
810	Forward Scattering Radar For Biodiversity Conservation Monitoring System	Raja Syamsul Azmir Bin Raja Abdullah	Universiti Putra Malaysia	SEA TO SPACE
811	Design And Development Of Radio Frequency (Rf) Front-End For A Wireless Receiver Or Transceiver.	Sudhanshu Shekhar Jamuar	Universiti Putra Malaysia	SEA TO SPACE
812	Effects Of Aspect Ratio At Low Reynolds Number On Flight Dynamics And Aerodynamics Performance Of Unmanned Aerial Vehicle (Uav)	Mohd Ramly bin Mohd Ajir	Universiti Putra Malaysia	SEA TO SPACE
813	Performance Of A Stormwater Storage-Infiltration System	Abdul Halim bin Ghazali	Universiti Putra Malaysia	SEA TO SPACE
814	Wireless Geocoding For Road Accidents Reporting System Using Location Based Services (Lbs)	Ahmad Rodzi Mahmud	Universiti Putra Malaysia	SEA TO SPACE
815	Design Of A Multi-Standard Base Band Digital Transceiver Using Software Defined Radio (Sdr)	Alyani Ismail	Universiti Putra Malaysia	SEA TO SPACE
816	Developing Precision Environmental Management Utilizing Green Plot Ratio, Human Activities Phenomena And Physical Development Aspect In Achieving Sustainable Living Environment.	AHMAD MAKMOM HJ. ABDULLAH	Universiti Putra Malaysia	SEA TO SPACE
817	Evaluation Of Slope Stability In Pos Selim To Simpang Pulai Highway Using Remote Sensing Technique	Mohammad Firuz bin Ramli	Universiti Putra Malaysia	SEA TO SPACE

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818	Ocean Transboundary Pollution As A Potential Threat To National Security: Determination And Characterization Of Fate And Transport	Mohamad Pauzi Zakaria	Universiti Putra Malaysia	SEA TO SPACE
819	Determination Of Impact Of Land Use - Land Cover Changes On Flood Hydrology Of Pahang River Basin	Wan Nor Azmin bin Sulaiman	Universiti Putra Malaysia	SEA TO SPACE
820	Development Of A Three Dimensional Numerical Model Of The Strait Of Malacca For Simulating Pollutant Flushing Capacity	Zelina Bt Zaiton Ibrahim	Universiti Putra Malaysia	SEA TO SPACE
821	Forecasting Land-Based Pollution Loads To Estimate Marine Pollution In The Malaysian Seas To The Year 2020	Zelina Bt Zaiton Ibrahim	Universiti Putra Malaysia	SEA TO SPACE
822	Investigation Of Past Climate, Hydrological Regime And Changing Water Pollution History Using The Deposited Sediment Record In Reservoir: A Case Of Tasik Merah And Its Catchment Area, Perak.	Wan Ruslan bin Ismail	Universiti Sains Malaysia	SEA TO SPACE
823	Atmospheric Optical Properties Using Modtran And Multispectral Lidar System	Nasirun Mohd Saleh	Universiti Sains Malaysia	SEA TO SPACE
824	Modelling And Predictions Of Air Pollutant Concentrations In Selected Cities Of Malaysia	Ahmad Shukri bin Yahaya	Universiti Sains Malaysia	SEA TO SPACE
825	Earthquake Induced Deformation Of National Geodetic Vertical Datum (Ngvd) And Its Implication On Surveying And Mapping	Kamaludin bin Hj. Mohd. Omar	Universiti Teknologi Malaysia	SEA TO SPACE
826	The Development Of Physical Oceanography Database For Malaysian Seas Using Satellite Altimetry Missions	Kamaludin bin Hj. Mohd. Omar	Universiti Teknologi Malaysia	SEA TO SPACE
827	Development Of Doppler Shift Algorithm For Modelling Sea Surface Current Movements From Radar Remote Sensing Data	Maged Marghany	Universiti Teknologi Malaysia	SEA TO SPACE
828	Development Of Estuarine Nutrient Response Model For Circulation And Water Quality	Noor Baharim bin Hashim	Universiti Teknologi Malaysia	SEA TO SPACE

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829	Development Of An Intelligent Flood Warning System And Inundation Model For Selected Catchment In Peninsular Malaysia	JUNAIDAH BINTI ARIFFIN	Universiti Teknologi MARA	SEA TO SPACE
830	Development Of Rainfall Model From Incomplete Hydrological Data In Malaysia	Marlinda Binti Abd. Malek	Universiti Tenaga Nasional	SEA TO SPACE
831	Study On Magnetic Field Shielding Techniques For Extremely Low Frequency Applications	Ismail Bin Said	Universiti Tenaga Nasional	SEA TO SPACE
832	Studies On Starch Synthase In Sago Palm (Metroxylon Sagu Rottb.)	Zaliha Christine Binti Abdullah	Craun Research Sdn. Bhd.	AGRICULTURE
833	Determination Of Nutritional And Physiological Factors Contributing To The Trunking And Good Growth Of Sago On Peat	Noraini Busri	Craun Research Sdn. Bhd.	AGRICULTURE
834	A Mathematical Model For Alkaline Delignification And Cellulose Degradation Of Oil Palm Empty Fruit Bunch Fibre	Rushdan bin Ibrahim	Forest Research Institute of Malaysia	AGRICULTURE
835	Study On The Extent Of Gaharu Trade In Peninsular Malaysia	Lim Hin Fui	Forest Research Institute of Malaysia	AGRICULTURE
836	Radiofrequency-Vacuum Drying Of Timber For Enhanced Property	Gan Kee Seng	Forest Research Institute of Malaysia	AGRICULTURE
837	Market Opportunities For Mas Cotek (Ficus Deltoidea) Products In Peninsular Malaysia	HUDA FARHANA MOHAMAD MUSLIM	Forest Research Institute of Malaysia	AGRICULTURE
838	Enhancing The Application Of Kerengga For Biological Control Of The Mahogany Shoot Borer	Grace Tabitha Lim Wui Oi	Forest Research Institute of Malaysia	AGRICULTURE
839	Modelling Of Soil Erosion Risk In Water Catchment Area For Sustainable Forest Management.	Saiful Iskandar bin Khalit	Forest Research Institute of Malaysia	AGRICULTURE

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840	Development Of Chemical Sensors For Permethrin Determination In Preservatives For Treated Wood.	Mohamad Nasir bin Mat Arip	Forest Research Institute of Malaysia	AGRICULTURE
841	Wood Quality Of Selected Species Grown From Rooted Cuttings	Ani binti Sulaiman	Forest Research Institute of Malaysia	AGRICULTURE
842	Bioaccumulation Of Heavy Metals By Timber Species Grown On Tin Tailings	Ang Lai Hoe	Forest Research Institute of Malaysia	AGRICULTURE
843	Field Evaluation Of Composted And Raw Paper Mill Sludge On Selected Medicinal And Plantation Forest Species	Rosazlin binti Abdullah	Forest Research Institute of Malaysia	AGRICULTURE
844	Stumpage Appraisal And Financial Evaluation Of Second Growth Forests In Long Term Timber Concession Of Peninsular Malaysia.	Ismail bin Harun	Forest Research Institute of Malaysia	AGRICULTURE
845	Final Crop Regimes Of Plantation-Grown Mahogany Stand For Maximum Volume Production And Financial Evaluation Of Each Regimes.	AHMAD ZUHAIIDI YAHYA	Forest Research Institute of Malaysia	AGRICULTURE
846	Rainfall Interception Processes And Water Balance Of Young Plantation Catchment.	Siti Aisah binti Shamsuddin	Forest Research Institute of Malaysia	AGRICULTURE
847	Enhancement Of Asthetic Value Of Malaysian Oak By Homogeneity Colour	Mohd Dahlan bin Jantan	Forest Research Institute of Malaysia	AGRICULTURE
848	Enzymatic Pre-Treatment Of Kraft Pulp Towards Development Of Biobleaching For Kenaf	Latifah Jasmani	Forest Research Institute of Malaysia	AGRICULTURE
849	Pyrethroid Compounds As Alternative Treatment To Boron To Enhance Durability Of Malaysian Oak	Salmiah binti Ujang	Forest Research Institute of Malaysia	AGRICULTURE
850	Domestication, Production And Harvesting Of Tongkat Ali From Various Provenances: Good Agricultural Practices And Agroforestry Approach	Mohamad Lokmal Ngah	Forest Research Institute of Malaysia	AGRICULTURE

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851	Production Of Activated Carbon From Bamboo Using Chemical And Steam Activations	MAHANIM BINTI SARIF @ MOHD ALI	Forest Research Institute of Malaysia	AGRICULTURE
852	Study On Diseases Of Medicinal Plants And Their Impact On Commercial Production In Peninsular Malaysia	Patahayah Mansor	Forest Research Institute of Malaysia	AGRICULTURE
853	Economic Potentials Of Lianas In Dipterocarp Forest Of East Negeri Sembilan	Nur Supardi bin Md. Noor	Forest Research Institute of Malaysia	AGRICULTURE
854	Use Of Algae In Genotoxicity Assessment Of Marine Ecosystems	Chu Wan Loy	International Medical University	AGRICULTURE
855	Provenance And Progeny Trial Of Rotan Batu (Calamus Subinermis) In Sabah	Chia Fui Ree	Jabatan Perhutanan Sabah	AGRICULTURE
856	The Effects Of Weather And Seed Predators On The Recruitment Of Mangroves In Sabah	CHONG FUNG YUN	Jabatan Perhutanan Sabah	AGRICULTURE
857	A Study On Medicinal Ferns & Fern Allies (Pteridophytes) Of Sabah	Anuar Bin Mohammad	Jabatan Perhutanan Sabah	AGRICULTURE
858	Utilization Of Cocoa Butter Condensate From Cocoa Butter Deodorized Process In Soap Making	Samuel Yap Kian Chee	Lembaga Koko Malaysia	AGRICULTURE
859	Determination On The Relationships Between Yield Loss And Economic Injury Levels In Management Of Cocoa Pod Borer	Albert Ling Sheng Chang	Lembaga Koko Malaysia	AGRICULTURE
860	Development Of Cocoa Based Bath Preparations	Azila binti Abdul Karim	Lembaga Koko Malaysia	AGRICULTURE
861	Evaluation Of Different Planting Patterns For Mechanized Farm Operations	rozita osman	Lembaga Koko Malaysia	AGRICULTURE

No.	Project Title	Project Leader	Institution	Research Cluster
862	Biological Control Of Cocoa Pod Borer (Cpb) Using Cocoa Black Ants (Cba): Introduction And Maintenance Of Cba Under Cocoa-Coconut Ecosystems For Cpb Management.	Saripah Bakar	Lembaga Koko Malaysia	AGRICULTURE
863	Screening Of Morphological Traits Of Cocoa Clones In Relation To Resistance To Cocoa Pod Borer	Haya bin Ramba	Lembaga Koko Malaysia	AGRICULTURE
864	Study On The Effects Of Shade, Seasons And Locations On The Content And Physicochemical Characteristics Of Cocoa Butter Of Selected Planting Materials.	Jumali bin Suratman	Lembaga Koko Malaysia	AGRICULTURE
865	Evaluation Of Antixenosis Mechanism Of Host Plant Resistance In Cocoa For Use In The Cocoa Pod Borer Management.	Navies bin Maisin	Lembaga Koko Malaysia	AGRICULTURE
866	Utilization Of Cocoa Butter And Polyphenol In Cosmetic Foundation	Norliza binti Abdul Wahab	Lembaga Koko Malaysia	AGRICULTURE
867	Development Of Specialty Cocoa For Flavor And Other Desirable Qualities	Mohd Zaini Bin Nanyan	Lembaga Koko Malaysia	AGRICULTURE
868	Development And Deployment Of A Wireless Sensor Network For Precision Agriculture	Chan Toong Khuan	Malaysia University of Science and Technology	AGRICULTURE
869	Mass Production And Formulation Of Exserohilum Sp. Isolate B22a From Echinochloa Spp. (Sambau).	Tosiah binti Sadi	Malaysian Agricultural Research & Development Institute	AGRICULTURE
870	Development Of Agronomic Practices For Domestication Of Selected Mas Cotek (Ficus Deltoidea) Accessions	Wan Zaki bin Wan Mamat	Malaysian Agricultural Research & Development Institute	AGRICULTURE
871	Evaluation And Identification Of Resistant Genotypes Against Cucumber Mosaic Cucumovirus (Cmv) On Chilli	Mohamad Roff bin Mohd Noor	Malaysian Agricultural Research & Development Institute	AGRICULTURE
872	Development Of Automated Image Processing And Analysis System For Inspection And Grading Of Tropical Fruits	Teoh Chin Chuang	Malaysian Agricultural Research & Development Institute	AGRICULTURE

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873	Habitat Management Strategies For Control Of Aphis Gossypii And Virus On Chilli Crop	Mohd.Norowi bin Hamid	Malaysian Agricultural Research & Development Institute	AGRICULTURE
874	Fast-Track Biodegradation Of Rice Straw By A Microbial Consortium	Stella Matthews	Malaysian Agricultural Research & Development Institute	AGRICULTURE
875	Evaluation And Enhancement Of Rice Germplasm With Superior Yielding Traits, Special Grain Quality And Tolerance To Water Stress	Site Noorzuraini binti Abd. Rahman	Malaysian Agricultural Research & Development Institute	AGRICULTURE
876	Packaging For Preservation Of Nutritional And Bioactive Compounds Of Pegaga (Centella Asiatica) And Mengkudu (Morinda Citrifolia) Products	Siah Watt Moey	Malaysian Agricultural Research & Development Institute	AGRICULTURE
877	Effects Of Varying Energy Levels On Optimum Yield And Quality Of Cattle Oocytes.	Azizah binti Amri	Malaysian Agricultural Research & Development Institute	AGRICULTURE
878	Characterisation, Chemical Attributes, Nutritional And Eating Quality Of Malaysian Organic Rice.	Khairunizah Hazila binti Khalid	Malaysian Agricultural Research & Development Institute	AGRICULTURE
879	Integrated Management Of Pest And Diseases Causing Cosmetic Damages To Citrus Fruits In Malaysia	Mohd.Shamsudin bin Osman	Malaysian Agricultural Research & Development Institute	AGRICULTURE
880	Development Of Effective Storage And Handling Techniques For Selected Highly Perishable Fruits (Dokong, Salak, Wax Apple And Dragonfruit) With Good Market Potential	Abdullah bin Hassan	Malaysian Agricultural Research & Development Institute	AGRICULTURE
881	Development Of Edible Film From Sago Starch And Its Potential Application As Food Casing	Noor Zainah binti Adzaly	Malaysian Agricultural Research & Development Institute	AGRICULTURE
882	Evaluation Of Performance And Stability Of Selected Starfruit Hybrids Under Different Agro-Ecological Environments	Abd Rahman bin Milan	Malaysian Agricultural Research & Development Institute	AGRICULTURE

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883	Introduction, Screening And Evaluation Of Papaya Accessions For Bacterial Dieback Resistance	Lim Li San	Malaysian Agricultural Research & Development Institute	AGRICULTURE
884	The Mass Production, Evaluation And Packaging Of Phytoseiulus Persimilis For Management Of Tetranychus Urticae On Roses And Strawberries In Cameron Highlands.	Saiful Zaimi bin Jamil	Malaysian Agricultural Research & Development Institute	AGRICULTURE
885	Selection Of Cattleya Alliance Orchid Progenies For High Quality Flowers And Fragrance.	Fadelah binti Abdul Aziz	Malaysian Agricultural Research & Development Institute	AGRICULTURE
886	Double-Cross Eksotika Papaya Hybrids For Improving Fruit Quality And Storage Life	Chan Ying Kwok	Malaysian Agricultural Research & Development Institute	AGRICULTURE
887	Development Of An Expert System To Manage Mechanized Vegetables Production.	Arina binti Mohd Noh	Malaysian Agricultural Research & Development Institute	AGRICULTURE
888	Improved Vegetative Propagation Method For Local Salak (Salacca Glabrescens) Using Sucker Induction Technique	Hashim bin Abu Bakar	Malaysian Agricultural Research & Development Institute	AGRICULTURE
889	Enhancement Of Yield And Fruit Quality In Limau Madu (Citrus Reticulata) Through Nutrient Manipulation	Kamariah binti Mohamed	Malaysian Agricultural Research & Development Institute	AGRICULTURE
890	Characterization And Identification Of Musa (Banana) Germplasm Using Dna-Based Markers	Umikalsum Mohamed Bahari	Malaysian Agricultural Research & Development Institute	AGRICULTURE
891	Evaluation And Identification Of Antioxidant Phytochemicals In Tropical Fruits And Its By Product As A Potential Source Of Functional Ingredients	Mahanom binti Hussin	Malaysian Agricultural Research & Development Institute	AGRICULTURE
892	Evaluation And Selection Of Jackfruit (Artocarpus Heterophyllus) Varieties For Resistance To Bacterial-Wilt	Maimun binti Tahir	Malaysian Agricultural Research & Development Institute	AGRICULTURE

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893	Improvement Of Chilli Var. Mc 12 For Tolerance To Anthracnose And Viral Diseases Through Hybridization.	Melor binti Rejab	Malaysian Agricultural Research & Development Institute	AGRICULTURE
894	Evaluation Of The Prevalence Of Emerging Campylobacter Jejuni In Local Foods	Nur Ilida binti Mohamad	Malaysian Agricultural Research & Development Institute	AGRICULTURE
895	Development Of Disinfestations Protocol Using Hot Water Immersion Technique On Papaya Var. Eksotika For Export Markets	Sulaiman bin Zulkifly	Malaysian Agricultural Research & Development Institute	AGRICULTURE
896	Extraction And Identification Of Galactomannan From Tropical Fruits And Its By-Products As Functional Food Ingredients.	Tun Norbrillinda binti Mokhtar	Malaysian Agricultural Research & Development Institute	AGRICULTURE
897	Development Of Primemover For Conservation Slope Land Orchards	Mohd Taufik bin Ahmad	Malaysian Agricultural Research & Development Institute	AGRICULTURE
898	Design And Development Of Self Propelled Compost Turner For Agro Waste.	Muhamad Isa bin Othman	Malaysian Agricultural Research & Development Institute	AGRICULTURE
899	Technology For Production Of Salsa And Chili-Based Jam	Saiful Bahri bin Sa'ari	Malaysian Agricultural Research & Development Institute	AGRICULTURE
900	Evaluation And Utilisation Of Lycopene From Selected Local Fruits For The Development Of Nutraceuticals	Umi Kalsum binti Hussain Zaki	Malaysian Agricultural Research & Development Institute	AGRICULTURE
901	Biodiversity Of Wild Edible Durio (Bombacaceae) Species And Prospect For Their Utilization And Conservation	Salma binti Idris	Malaysian Agricultural Research & Development Institute	AGRICULTURE
902	Development Of Sustainable Aerobic Rice Production System Through Improve Water Productivity	Chan Chee Sheng	Malaysian Agricultural Research & Development Institute	AGRICULTURE

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903	Studies On The Chemical Constituents Of Ficus Deltoidea Jack Planted On Bris Soil And Their Bioactivities.	Mohd Lip bin Jabit	Malaysian Agricultural Research & Development Institute	AGRICULTURE
904	Utilization Of Leaves Of Local Varieties Of Sweetpotato (Ipomoea Batatas) As Potential Antioxidant Rich Food Ingredient	Jeeven Karruppan	Malaysian Agricultural Research & Development Institute	AGRICULTURE
905	Enhancement Of Yield, P And N Uptake Of Chilli By Application Of P-Solubilizing And N-Fixing Microbes As Biofertilizer In Open Field Area	Umi Kalsom binti Md Shah	Malaysian Agricultural Research & Development Institute	AGRICULTURE
906	Improvement Of Ferto Model (Location-Specific Nutrient Management Tool) For High Yielding Rice Production	Abdul Razak bin Hamzah	Malaysian Agricultural Research & Development Institute	AGRICULTURE
907	Efficient Orchid Production Through The Ebb & Flow Technique	Rahayu binti Anang	Malaysian Agricultural Research & Development Institute	AGRICULTURE
908	Nutrient Management For Aerobic Rice Cultivation	Sariam bt. Othman	Malaysian Agricultural Research & Development Institute	AGRICULTURE
909	Mechanised Processing System For Production Of Durian Paste For Making Durian Puree	Ahmad Safuan bin Hj Bujang	Malaysian Agricultural Research & Development Institute	AGRICULTURE
910	Development Of Optical Sensor System To Determine Chilli Pungency	Khairul Anuar bin Shafie	Malaysian Agricultural Research & Development Institute	AGRICULTURE
911	Development Of Extraction System For Dokong Juice Production	Masniza binti Sairi	Malaysian Agricultural Research & Development Institute	AGRICULTURE
912	Design And Development Of Various Cooling Systems For Tropical Greenhouses	Rezuwan bin Kamaruddin	Malaysian Agricultural Research & Development Institute	AGRICULTURE

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913	Determination Of Uncertainties In Pesticide Residue Analysis For Mango And Star Fruit To Comply With Iso/lec 17025 Standard	Ngan Chai Keong	Malaysian Agricultural Research & Development Institute	AGRICULTURE
914	The Effects Of Growing Media And Plant Water Availability On Phytochemical Concentration Of Kacip Fatimah (Labisia Pumila)	Mohamad Zabawi bin Abdul Ghani	Malaysian Agricultural Research & Development Institute	AGRICULTURE
915	Identification Of Potential Mild Strain For Cross Protection Management Of Citrus Tristeza Virus (Ctv) In Citrus	Razean Haireen binti Mohd Razali	Malaysian Agricultural Research & Development Institute	AGRICULTURE
916	Development Of Molecular Marker For Identification Of Parasitoid Of Fruit Flies Larva To Be Use In Icm	Rosliza binti Jajuli	Malaysian Agricultural Research & Development Institute	AGRICULTURE
917	Biodiversity And Evaluation Of Rambai (Baccaurea Motleyana) And Tampoi (B. Macrocarpa) In Peninsular Malaysia	Khadijah binti Awang	Malaysian Agricultural Research & Development Institute	AGRICULTURE
918	Diversity Assessment Of Asam Gelugor (Garcinia Atroviridis) And Cerapu (Garcinia Prainiana) In Peninsular Malaysia	Azuan bin Amron	Malaysian Agricultural Research & Development Institute	AGRICULTURE
919	Modification Of Starch From Sweet Potato For The Production Of Resistant Starch	Madzlan bin Kasran	Malaysian Agricultural Research & Development Institute	AGRICULTURE
920	Development Of Advance Technique For The Production Of Sexed Embryos	Wan Somarny binti Wan Md. Zain	Malaysian Agricultural Research & Development Institute	AGRICULTURE
921	Utilization Of Phyto-Based Supplements To Enhance Lutein Content, Reduce Egg Cholesterol And Characterize Their Effects On Blood Metabolic Profile Of Layers	Wong Hee Kum	Malaysian Agricultural Research & Development Institute	AGRICULTURE
922	Morphological Characterization And Evaluation Of Selected Malaysian Indigenous Vegetable-Bebuas (Premna Cordifolia), Peria Pantai (Colubrina Asiatica), Beluntas (Pluchea Indica), And Gajus (Anacardium Occidentale)	Site Noorzuraini binti Abd. Rahman	Malaysian Agricultural Research & Development Institute	AGRICULTURE

No.	Project Title	Project Leader	Institution	Research Cluster
923	The Ecogeographic Distribution And Assessment Of The Diversity Status Of Tempunik (<i>Artocarpus Rigidus</i>), Terap Nasi (<i>Artocarpus Elasticus</i>), Kulor (<i>Artocarpus Camansi</i>) And Bangkong (<i>Artocarpus Integer</i> Var. <i>Silvestris</i>) In Peninsular Malaysia	Jamadon Bin Bahari	Malaysian Agricultural Research & Development Institute	AGRICULTURE
924	Assessment Of Genetic Diversity Of <i>Mangifera</i> Germplasm Using Inter Simple Sequence Repeats (Issrs)	Zulhairil Ariffin	Malaysian Agricultural Research & Development Institute	AGRICULTURE
925	Evaluation And Selection Of Advanced Sweetpotato Clones Based On Participatory Approach By Specific Stakeholders	Tan Swee Lian	Malaysian Agricultural Research & Development Institute	AGRICULTURE
926	Dietary Risk Assessment Of Pesticide For Mrl Setting And Consumer Health's Protection	Lim Ah Hong	Malaysian Agricultural Research & Development Institute	AGRICULTURE
927	Evaluation Of Genetic Stability And Performance Of Selected Banana Varieties Under Different Agro-Ecological Environments.	Suhana binti Omar	Malaysian Agricultural Research & Development Institute	AGRICULTURE
928	Effectiveness Of Natural Enemies In Managing Tiger Moth, <i>Atteva Sciodoxa</i> Meyrick (Lepidoptera: Yponomeutidae) On Tongkat Ali, <i>Eurycoma Longifolia</i> Jack	Mohamed Rani bin Mat Yusoh	Malaysian Agricultural Research & Development Institute	AGRICULTURE
929	Biodiversity And Evaluation Of Torch Gingers (<i>Etlingera Elatior</i> , <i>E. Corneri</i> And <i>E. Venusta</i>)	Nor Asiah binti Ismail	Malaysian Agricultural Research & Development Institute	AGRICULTURE
930	Field Control Of Passion Fruit Mosaic Virus (Pfmv) By Cross Protection	Aminah binti Hj. Mahmud	Malaysian Agricultural Research & Development Institute	AGRICULTURE
931	Extraction And Identification Of Phytochemicals In Culled Limau Madu And Limau Langkat For The Development Of High Value Nutraceutical Product.	Hasseri bin Halim	Malaysian Agricultural Research & Development Institute	AGRICULTURE
932	Characterization And Pathogenicity Of A Nucleopolyhedrosis Virus (Npv) Of The Beet Armyworm, <i>Spodoptera Exigua</i> And The Npv Of The Tiger Moth, <i>Atteva Sciodoxa</i> For Biological Control Utilization	Siti Noor Aishikin binti Abdul Hamid	Malaysian Agricultural Research & Development Institute	AGRICULTURE

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933	Modification Of Micro-Environment To Improve In-Vitro Production Of Embryo From Local Cattle	Habsah binti Bidin	Malaysian Agricultural Research & Development Institute	AGRICULTURE
934	Collection And Evaluation Of Sweetpotato Accessions For Nutritional, Phytochemical And Eating Qualities.	Thiyagu s/o Devarajan	Malaysian Agricultural Research & Development Institute	AGRICULTURE
935	Identification Of Natural Plant Extracts With Potent Antimicrobial Properties Against Chicken Gut Microbes	Shanmugavelu Sithambaram	Malaysian Agricultural Research & Development Institute	AGRICULTURE
936	Impact Of Environmental Factors On The Incidence Of Uneven Fruit Ripening (Ufr) In Durian Clone D24	Abd Jamil bin Zakaria	Malaysian Agricultural Research & Development Institute	AGRICULTURE
937	Identification Of Potential Biomarkers Specific To Ganoderma Infection In Oil Palm – Profiling Of Metabolites And Volatile Organic Compounds Using Gc-Ms.	Tony Ooi Eng Keong	Sime Darby Technology Centre Sdn. Bhd.	AGRICULTURE
938	Study On The Effect Of Natural Antioxidants Among Diabetogenic Animals With Special Emphasis On Alpha Lipoic Acid (Ala).	Jamaludin bin Hj Mohamed	Universiti Kebangsaan Malaysia	AGRICULTURE
939	Studies On Toxicity And Oxidative Activity Of Palm Sugar-Like Flavouring	Wan Aida binti Wan Mustapha	Universiti Kebangsaan Malaysia	AGRICULTURE
940	Screening, Isolation And Characterization Of Hydroxycitric Acid (Hca) From Roselle (Hibiscus Sabdariffa L.) As A Potential Agent For Body Weight Loss	Mohamad Osman	Universiti Kebangsaan Malaysia	AGRICULTURE
941	The Studies On Taxonomy And Phylogeny Of The Genus Goryphus Holmgren (Hym: Ichneumonidae: Cryptinae) In Sundaland	Idris bin Abd. Ghani	Universiti Kebangsaan Malaysia	AGRICULTURE
942	Roost Selection And Utilization By Bats At Selected Sites In Peninsular Malaysia	Zubaid Akbar bin Mukhtar Ahmad	Universiti Kebangsaan Malaysia	AGRICULTURE
943	Extraction And Characterization Of Fine Chemicals From Natural Lipids	JUMAT BIN SALIMON	Universiti Kebangsaan Malaysia	AGRICULTURE

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944	Taxonomic Diversity And Phylogenetic Study Of Alysiniinae And Opiinae (Hymenoptera: Braconidae) From Malaysia Based On Molecular And Morphological Analyses	Idris bin Abd. Ghani	Universiti Kebangsaan Malaysia	AGRICULTURE
945	Development Of Specialty Fats And Lipids Modification For Food And Nonfood Products	JUMAT BIN SALIMON	Universiti Kebangsaan Malaysia	AGRICULTURE
946	Effects Of 1-Methylcyclopropene (1-Mcp) On Ripening-Related Texture Changes, Ethylene Biosynthesis And Storage Quality Of Papaya Fruit	Zainon binti Mohd. Ali	Universiti Kebangsaan Malaysia	AGRICULTURE
947	In Vivo Production Of Nosema Bombycis And Its Efficacies Against Major Insect Pests Of Cabbage Crops	Zainal Abidin Bin Abu Hasan	Universiti Kebangsaan Malaysia	AGRICULTURE
948	Development Of Non-Pesticide Control Strategies Using Semiochemicals And Biopesticides For Agricultural Pest And Plant Protection	Fauziah binti Abdullah	Universiti Malaya	AGRICULTURE
949	Enhancement, Management And Conservation Of The Wild Populations Of An Endangered Fish Species Ikan Kelisa (Scleropages Formosus).	Mohd Zakaria bin Ismail	Universiti Malaya	AGRICULTURE
950	Quantifying Nursery Value Of Mangroves For Fisheries: A Multi-Criteria Approach	Chong Ving Ching	Universiti Malaya	AGRICULTURE
951	Generation And Analyses Of Expressed Sequence Tags (Ests) From Sargassum Polycystum, A Brown Seaweed.	Phang Siew Moi	Universiti Malaya	AGRICULTURE
952	Study Of Ectoparasites Infestation On Avifauna Of Selected Forests In Peninsular Malaysia	Rosli Ramli	Universiti Malaya	AGRICULTURE
953	Paternity Analysis Of The Population Of Johannesteijsmannia Lanceolata Via Microsatellite Marker.	Rozainah Mohamad Zakaria	Universiti Malaya	AGRICULTURE

No.	Project Title	Project Leader	Institution	Research Cluster
954	Molecular Phylogenetic Study On Chingia-Sphaerostephanos-Christella Groups Of Genera (Thelypteridaceae) Using Rbcl Gene Sequences Data From Sabah	Idris Moht Said	Universiti Malaysia Sabah	AGRICULTURE
955	Harmful Algal Bloom Dynamics Under Controlled Environmental Conditions	Sitti Raehanah Binti Muhamad Shaleh	Universiti Malaysia Sabah	AGRICULTURE
956	Development Of An Immobilized Microbial Treatment For Removing Nutrient And Dissolved Organic Matter In An Aquaculture Water Recirculation System	Hii Yii Siang	Universiti Malaysia Terengganu	AGRICULTURE
957	Measuring And Analyzing Variability To Establish The Permanent Field Characteristics That Influence The Production Of Ffb From Multiple Years	Anuar bin Abd Rahim	Universiti Putra Malaysia	AGRICULTURE
958	Development Of Diagnostic Dna Primers Of Ganoderma Boninense, By Random Amplified Microsatellite (Rams) And Internal Transcribed Spacer (Its) Gene Typing.	Faridah binti Abdullah	Universiti Putra Malaysia	AGRICULTURE
959	Development Of Innovative Antioxidant Ingredients From Mango Fruits	Amin bin Ismail	Universiti Putra Malaysia	AGRICULTURE
960	Bacteriophage As Potential Therapeutic Agent Against Prevalent Pathogens In Local Broiler Chickens	SIEO CHIN CHIN	Universiti Putra Malaysia	AGRICULTURE
961	Differential Efficiency Of Nutrient Uptake By Clonal Oil Palm	Anuar bin Abd Rahim	Universiti Putra Malaysia	AGRICULTURE
962	Calcium Nutrition For Improved Growth And Yield Of Jatropha Curcas	Asiah binti Abdul Malek	Universiti Putra Malaysia	AGRICULTURE
963	Effects Of Prebiotics On The Growth Of Probiotic Lactobacillus And Their Impact On The Growth Performance Of Chickens	Ho Yin Wan	Universiti Putra Malaysia	AGRICULTURE

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964	Sustainability Indicator Of Tropical Peat Under Various Crops Using Carbon Management Index (Cmi)	Ahmad Husni bin Mohd Haniff	Universiti Putra Malaysia	AGRICULTURE
965	Livestock-Crops Integrated Production Systems (Licro): Sustainability Of Ruminant Production Systems In Crop Plantations.	Dahlan bin Ismail	Universiti Putra Malaysia	AGRICULTURE
966	Diversity And Distribution Of Marine Fish And Invertebrate Larvae In The Seagrass Ecosystem	Aziz bin Arshad	Universiti Putra Malaysia	AGRICULTURE
967	Genetic Diversity Of Phosphate Solubilizing Rhizobacteria (Psr) From Oil Palm Rhizosphere	Halimi Mohd Saud	Universiti Putra Malaysia	AGRICULTURE
968	Structural Modification And Chemical Derivatives Of Constituents Of Glycosmis, Melicope And Artocarpus Species	Mawardi bin Rahmani	Universiti Putra Malaysia	AGRICULTURE
969	Development Of Pisciponic Technology For A Low Saline Water Environment	Mohd Salleh bin Kamarudin	Universiti Putra Malaysia	AGRICULTURE
970	Postharvest Biocontrol Of Anthracnose (Colletotrichum Gloeosporioides) Of Papaya Using Antagonistic Bacteria	Mahmud bin Tengku Muda Mohamed	Universiti Putra Malaysia	AGRICULTURE
971	Phytochemical And Bioactivity Studies Of Kaempferia Angustifolia And Boesenbergia Rotunda	Mohd Aspollah Hj Sukari	Universiti Putra Malaysia	AGRICULTURE
972	Variation In Mycorrhizal Specificity Among Grammatophyllum Spp., Tiger Orchid: A Preliminary Study For The Development Of A Seed Baiting Technique For Epiphytic Orchids.	MUSKHAZLI MUSTAFA	Universiti Putra Malaysia	AGRICULTURE
973	Microbial Enzymes As Feed Supplement For Poultry	Norhani binti Abdullah	Universiti Putra Malaysia	AGRICULTURE
974	Diversity And Conservation Of Limestone Orchids In Selangor And Padawan, Sarawak	Rusea Go	Universiti Putra Malaysia	AGRICULTURE

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975	Development Of Single Nucleotide Polymorphism (Snp) Markers For The Characterization Of Clarias Spp	Siti Khalijah binti Daud	Universiti Putra Malaysia	AGRICULTURE
976	Identification Of Diagnostic Dna Microsatellite Markers For Heavy Metal Pollution In The Biomonitoring Agent, The Green-Lipped Mussel Perna Viridis	Tan Soon Guan	Universiti Putra Malaysia	AGRICULTURE
977	Manipulating Temperature And Ethylene Concentration During Ripening To Produce Yellow Harumanis Mango	Phebe Ding	Universiti Putra Malaysia	AGRICULTURE
978	Lodging Resistance In Rice (Oryza Sativa) Using Growth Regulators Under Varying Application Doses And Growth Stages	Uma Rani Sinniah	Universiti Putra Malaysia	AGRICULTURE
979	Molecular Genetic Studies On Rhinoceros Beetle (Oryctes Rhinoceros) Populations In Malaysian Oil Palm Plantations	Rita Muhamad	Universiti Putra Malaysia	AGRICULTURE
980	Effects Of Calcium On Quality And Disease Development Of Pitaya Fruits (Hylocereus Undatus)	Yahya B Awang	Universiti Putra Malaysia	AGRICULTURE
981	Increasing Phosphorus Uptake Efficiency In Oil Palm Using Selected Transporters Isolated From Potential Genotypes	Zaharah binti Abd Rahman	Universiti Putra Malaysia	AGRICULTURE
982	Conversion Of Oil Palm Waste Into An Organic Fertilizer For Cultivation Of Fruit Vegetables In An Organic Farming System.	Rosenani Abu Bakar	Universiti Putra Malaysia	AGRICULTURE
983	Increasing Yield Of Upland Rice Through Improvement In Plant Nutrient Uptake Efficiency	Zaharah binti Abd Rahman	Universiti Putra Malaysia	AGRICULTURE
984	Development Of Control Strategy For Cucumber Mosaic Cucumovirus And Zucchini Yellow Mosaic Potyvirus In Watermelon Cultivation.	Zakaria bin Sidek	Universiti Putra Malaysia	AGRICULTURE
985	Development Of Microbial-Enriched Compost Extracts For The Control Of Fungal Diseases And Enhance Productivity Of Vegetables.	Sariah binti Meon	Universiti Putra Malaysia	AGRICULTURE

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986	Herbal Plants As Growth And Health Promoters In Poultry	Zulkifli bin Idrus	Universiti Putra Malaysia	AGRICULTURE
987	Production Of Omega-3 Enriched Chevron Through Dietary Manipulation	Mohamed Ali bin Rajion	Universiti Putra Malaysia	AGRICULTURE
988	Utilizing Microbial Diversity As Bioindicators For Sustainable Oil Palm Cultivation.	ZAINAL ABIDIN BIN MIOR AHMAD	Universiti Putra Malaysia	AGRICULTURE
989	Nutritional Values Of Selected Indigenous Riverine Fruits As Feed Ingredients In Kelah Diet	Mohd Salleh bin Kamarudin	Universiti Putra Malaysia	AGRICULTURE
990	Nitrogen Nutrition For Improved Yield And Phytonutritional Qualities Of Fresh Leafy Herbs.	Siti Aishah binti Hassan	Universiti Putra Malaysia	AGRICULTURE
991	Histological And Biochemical Characterization Of E.Guineensis Endosperm During Seed Development	Parameswari Namasivayam	Universiti Putra Malaysia	AGRICULTURE
992	Antimicrobial Activity Of Melastoma Malabathricum Linn. Crude Flower And Fruit Extracts	Janna Ong Abdullah	Universiti Putra Malaysia	AGRICULTURE
993	Aboveground Carbon Sequestration In Different Tropical Rainforest Forest Types	Ahmad Ainuddin bin Nuruddin	Universiti Putra Malaysia	AGRICULTURE
994	Enhancing Sustainable Forest Management Through Forest Certification	Rusli bin Mohd	Universiti Putra Malaysia	AGRICULTURE
995	Production Of Value-Added Taugeh With High Phytochemical Contents Under Controlled Environment.	Siti Hajar binti Ahmad	Universiti Putra Malaysia	AGRICULTURE
996	Use Of Remote Sensing To Establish Oil Palm Productivity Clusters	Siva K. Balasundram	Universiti Putra Malaysia	AGRICULTURE

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997	Foliar Application Of Calcium And Copper To Reduce Fungal Diseases In Rice Plant.	Syed Omar bin Syed Rastan	Universiti Putra Malaysia	AGRICULTURE
998	The Effect Of Dietary Supplementation Of Antioxidants On The Growth Performance, Carcass Composition And Meat Quality Of Goats Fed Diets Containing Palm Oil By-Products.	Abd Razak Alimon	Universiti Putra Malaysia	AGRICULTURE
999	Development Of Protected Protein-Enriched Energy (Ppee) Supplements Based On Palm Fatty Acids And Local Protein Sources For Small Ruminants	Abd Razak Alimon	Universiti Putra Malaysia	AGRICULTURE
1000	Site Specific Chemical Properties And Heavy Metal Concentrations In Oil Palm And Paddy Cultivated Areas.	Siti Zauyah Darus	Universiti Putra Malaysia	AGRICULTURE
1001	The Effect Of Copper Content In Palm Kernel Cake On The Sheep Reproductive System	Halimatun binti Yaakub	Universiti Putra Malaysia	AGRICULTURE
1002	Assessment Of Putative Bacteria As Probiotics In Juvenile Tiger Prawn (Penaeus Monodon)	Che Roos bin Saad	Universiti Putra Malaysia	AGRICULTURE
1003	Sustainable Weed Control Method By Using Sea Water In Salt Tolerant Turfgrass Species	Abdul Shukor bin Juraimi	Universiti Putra Malaysia	AGRICULTURE
1004	Establishment Of Novel Arthropod-Selective Toxins For Insect Pest Management	Lau Wei Hong	Universiti Putra Malaysia	AGRICULTURE
1005	A Study Of The Socioeconomic And Biological Values Of Recreational And Commercial Fisheries At The Pedu Reservoir	Mustafa Kamal bin Abd Satar	Universiti Putra Malaysia	AGRICULTURE
1006	Development Of Protein-Enriched Cassava (Tapioca) Root Meal As An Alternative Protein Source For Goat By Fungal Fermentation	Zainal Aznam Mohd Jelani	Universiti Putra Malaysia	AGRICULTURE
1007	The Effect Of Cutting Age, Inoculants And Additives On The Characteristics And Nutritional Value Of Silages Made From Guinea Grass (Panicum Maximum), Common Napier (Pennisetum Perpureum) And Whole Crop Corn (Zea Mays) For Dairy Goats.	Halimatun binti Yaakub	Universiti Putra Malaysia	AGRICULTURE

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1008	Development Of A Rice Straw-Based Pelleted Feed For A Sustainable Intensive Ruminant Production.	AZHAR KASIM	Universiti Putra Malaysia	AGRICULTURE
1009	Development Of Baiting And Biorational Control Of Subterranean Termites, <i>Coptotermes</i> Spp.	Ahmad Said bin Sajap	Universiti Putra Malaysia	AGRICULTURE
1010	Identification Of Defect Pattern In Selected Urban Trees Species	Amat Ramsa Yaman	Universiti Putra Malaysia	AGRICULTURE
1011	To Develop A Trial Of Commercial Bamboo Plantation For Shoot Production Of <i>Gigantochloa</i> 'Brang' And <i>Dendrocalamus Asper</i>	Azmy bin Mohamed	Universiti Putra Malaysia	AGRICULTURE
1012	Anti-Cancer Properties Of Conjugated Linoleic Acid (Cla) Derived From Crossbred Kedah-Kelantan (Kk) Beef Cattle.	Arifah binti Abdul Kadir	Universiti Putra Malaysia	AGRICULTURE
1013	Method Development For The Molecular Diagnostic Of Hepatitis A Virus In Shellfish	Son Radu	Universiti Putra Malaysia	AGRICULTURE
1014	Encapsulation And Controlled Release Of Selected Tropical Fruit Flavours.	Nazimah binti Sheikh Abdul Hamid	Universiti Putra Malaysia	AGRICULTURE
1015	Production Of Food-Grade Lipases From Selected Thermostable Lipase-Producing Bacteria For Commercial Purposes	Nazamid Saari	Universiti Putra Malaysia	AGRICULTURE
1016	Extraction Oils And Functional Lipids From Selected Plant Seeds And Their Modification Via Nanotechnology And Biotechnology	Tan Chin Ping	Universiti Putra Malaysia	AGRICULTURE
1017	Development Of Water Dispersible Granules Formulation Of Entomopathogenic Fungi	Dzolkhifli bin Omar	Universiti Putra Malaysia	AGRICULTURE
1018	Cytogenetics Of Freshwater Catfish Under Family Clariidae And Bagridae	Siti Shapor Siraj	Universiti Putra Malaysia	AGRICULTURE

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1019	Biodiversity And Ecological Evaluation On Selected Cultivated And Medicinal Citrus Spp. From Peninsular Malaysia	Umi Kalsom Yusuf	Universiti Putra Malaysia	AGRICULTURE
1020	Identification, Characterization And Development Of Growth-Enhancing Fungal Endophytes From Paphiopedilum Barbatum (Orchidaceae)	Faridah binti Qamaruz Zaman	Universiti Putra Malaysia	AGRICULTURE
1021	Epidemiological Factors In The Colonization Of Arcobacter And Helicobacter In Poultry And Their Detection Methods	Saleha binti Abd Aziz	Universiti Putra Malaysia	AGRICULTURE
1022	Rice Genotype Selection And Improvement For Sustainable Rice Production On Shallow Peat Soils In Sarawak	Rajan Amartalingam	Universiti Putra Malaysia	AGRICULTURE
1023	Management Of Termites (Coptotermes Spp) Infestation In Oil Palm On Peat In Sarawak	Joseph Bong Choon Fah	Universiti Putra Malaysia	AGRICULTURE
1024	Mechanising Soil-Filling Seed-Placement In Polybags And Seedling Planting Operations In The Oil Palm Cultivation	Azmi b. Yahya	Universiti Putra Malaysia	AGRICULTURE
1025	Reproductive Biology And Feeding Habits Of Sergestid Shrimp Acetes Spp.	Aziz bin Arshad	Universiti Putra Malaysia	AGRICULTURE
1026	Soil Quality Indicators For Land Degradation Assessment In Some Major Land Use Types In Peninsular Malaysia	Siti Zauyah Darus	Universiti Putra Malaysia	AGRICULTURE
1027	Alleviation Of Acclimatization Stress In Tissue Cultured Plantlets Of Tropical Crops Using Plant Growth-Promoting Rhizobacteria (Pgpr)	Halimi Mohd Saud	Universiti Putra Malaysia	AGRICULTURE
1028	Quality Assessment And Processing Improvement Of 'New Rubber Wood Species And Clones' For Wood Furniture Industry.	DR. MOHD HAMAMI SAHRI	Universiti Putra Malaysia	AGRICULTURE
1029	Development Of Database On Halal Chocolate And Pastries In Malaysia	Yaakob bin Che Man	Universiti Putra Malaysia	AGRICULTURE

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1030	To Develop A Sustainable Practice To Protect And Manage Soil Fertility And Water Conservation For Steepland Oil Palm	Christopher Teh Boon Sung	Universiti Putra Malaysia	AGRICULTURE
1031	Optimal Fertiliser Rates And Time Of Application For Oil Palm Grown In Tropical Peatland	Christopher Teh Boon Sung	Universiti Putra Malaysia	AGRICULTURE
1032	The Potential Of Indigenous Earthworms In Vermitechnology	NOR AZWADY ABD. AZIZ	Universiti Putra Malaysia	AGRICULTURE
1033	Genetic Improvement And Propagation Of The Mpts And Medicinal Plants	Nor Aini binti Ab. Shukor	Universiti Putra Malaysia	AGRICULTURE
1034	Markets For Environmentally Certified Wood Products In Malaysia	Shukri Mohamed	Universiti Putra Malaysia	AGRICULTURE
1035	Development Of Superior Sweet Corn Hybrid Varieties By Introgression Of Exotic Germplasm	Ghizan Bin Saleh	Universiti Putra Malaysia	AGRICULTURE
1036	Development Of Real Time Soil Electrical Conductivity Mapping System	Mohd Amin bin Mohd Soom	Universiti Putra Malaysia	AGRICULTURE
1037	Development Of A Spatial Multi-Criteria Decision Support Tool For Oil Palm Plantation Management	Shattri bin Mansor	Universiti Putra Malaysia	AGRICULTURE
1038	Evaluation On The Reproductive Performance And Health Status Of The Barn Owl Sustainablebiological Control Of Rats	Hafidzi Mohd Noor	Universiti Putra Malaysia	AGRICULTURE
1039	Utilization Of Sago Waste In Animal Production	Mohammad Nasir Hassan	Universiti Putra Malaysia	AGRICULTURE
1040	Development Of The Restoration Technology Of Degraded Forest And Evaluation Of Biodiversity.	Mohamad Azani Alias	Universiti Putra Malaysia	AGRICULTURE

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1041	Development Of Commercially Stable Yellow Wet Noodles Using Modified Atmosphere And Combination Technologies	Roselina binti Karim	Universiti Putra Malaysia	AGRICULTURE
1042	A Study On The Artificial Spawning Of The Commercial Scallop Outside Spawning Season For The Malaysian Aquaculture Industry	AILEEN TAN SHAU HWAI	Universiti Sains Malaysia	AGRICULTURE
1043	Control Of Oyster Settlement And Metamorphosis By Endogenous And Exogenous Chemical Cues	Zulfigar Yasin	Universiti Sains Malaysia	AGRICULTURE
1044	Modelling Land Use/Cover Changes And Its Impact On Biodiversity	Narimah binti Samat	Universiti Sains Malaysia	AGRICULTURE
1045	Application Of Enzyme Modified Starches As Biobased Materials In Active Packaging Technology For Food Quality Preservation.	Norziah Mohd Hani	Universiti Sains Malaysia	AGRICULTURE
1046	Bioactivity Guided Formulation Of Therapeutic Juice From The Pulps Of Myristica Fragrans.	Shaida Fariza binti Sulaiman	Universiti Sains Malaysia	AGRICULTURE
1047	Food Product Development From Non-Chicken Poultry Meat	Nurul Huda	Universiti Sains Malaysia	AGRICULTURE
1048	Lipid Nutrition And The Utilization Of Palm Oil In The Development Of A Low-Cost Feed For The Intensive Culture Of The Indigenous Patin, Pangasius Macrone	Roshada binti Hashim	Universiti Sains Malaysia	AGRICULTURE
1049	Development Of Dehydration Process For Heat Sensitive Biological And Agricultural Products Using Microwave Vacuum Technology	Mohd Rozainee Taib	Universiti Teknologi Malaysia	AGRICULTURE
1050	Competitive Factors For Regional Container Hub Port: A Case Study In East Asia (Southeast And Northeast Asia)	Leong Choon Heng	Malaysia University of Science and Technology	S&T CORE
1051	Use Of Dynamic Olfactometry For Odour Measurement And Buffer Zone Establishment In Agricultural Development In Malaysia	Ong Hwee Keng	Malaysian Agricultural Research & Development Institute	S&T CORE

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1052	The Fate Of Molinate And Carbofuran In Muda Rice Areas	Khairatul Azmah binti Mohamed	Malaysian Agricultural Research & Development Institute	S&T CORE
1053	Linear And Nonlinear Preserver Problems On Spaces Of Matrices Or Operators And Their Applications	Chooi Wai Leong	Multimedia University	S&T CORE
1054	Basic Characteristics Of Multi-Server Queue And Their Applications In Cellular Traffic Engineering	Tan Yi Fei	Multimedia University	S&T CORE
1055	Development Of Multimedia Fate Model For The Malaysian Environment	Norshidah Baharuddin	SIRIM Berhad	S&T CORE
1056	Development Of Natural Rubber Nanocomposites Via Sol-Gel Technique	Ishak bin Ahmad	Universiti Kebangsaan Malaysia	S&T CORE
1057	Daya Saing Pekerja Dalam Sektor Perkhidmatan Di Malaysia	Rahmah binti Ismail	Universiti Kebangsaan Malaysia	S&T CORE
1058	Pengalaman Awal Dan Kesihatan Mental Pelacur Di Malaysia	Rohany bt Nasir	Universiti Kebangsaan Malaysia	S&T CORE
1059	Development Of Coating Composite For Microwave Absorption	Rusli bin Daik	Universiti Kebangsaan Malaysia	S&T CORE
1060	Effects Of Temperature-Dependent Viscosity On Stability Of Fluid Layers In Microgravity Environment	Ishak bin Hashim	Universiti Kebangsaan Malaysia	S&T CORE
1061	Implementation Of Full-Potential-Linear Augemented-Plane-Wave (Fp-Lapw) Computation And Ensemble Monte Carlo Method For Quantum Structures	Ahmad Puaad bin Hj. Othman	Universiti Kebangsaan Malaysia	S&T CORE
1062	Radiological Risk Assessment Of Naturally Occuring Radioactive Materials (Norm) In Malaysia's Building Materials	Amran Ab.Majid	Universiti Kebangsaan Malaysia	S&T CORE

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1063	Terrestrial Radiation Isodose Map Of The States Of Perak, Kedah And Perlis, Malaysia	Ismail Bahari	Universiti Kebangsaan Malaysia	S&T CORE
1064	A Study Of Contaminants Migration In Soils Using Geotechnical Centrifuge Physical Modelling.	Wan Zuhairi Wan Yaacob	Universiti Kebangsaan Malaysia	S&T CORE
1065	Beta-Transformations And Chaos-Based Cryptography	Mohd Salmi Md Noorani	Universiti Kebangsaan Malaysia	S&T CORE
1066	Development Of A Continuous Deacidification Process For The Deodorization Of Noni Extract.	Mohamad Yusof bin Maskat	Universiti Kebangsaan Malaysia	S&T CORE
1067	Media Literacy: Access And Interpreting Of Media Messages Among Malaysian Secondary School Students	Mus Chairil Samani	Universiti Kebangsaan Malaysia	S&T CORE
1068	Toxicity Of Heavy Metals And The Development Of Permissible Standards For Freshwater Ecosystem	Mohammad Shuhaimi Bin Othman	Universiti Kebangsaan Malaysia	S&T CORE
1069	Eco-Hydrology For Sustaining Ecotourism In Tasik Chini Watershed.	Mushrifah Idris	Universiti Kebangsaan Malaysia	S&T CORE
1070	Modeling Local Urban Sustainability	Abdul Samad Hadi	Universiti Kebangsaan Malaysia	S&T CORE
1071	Imaging Subsurface Contaminants Of Hydrocarbon-Contaminated Sites	umar bin hamzah	Universiti Kebangsaan Malaysia	S&T CORE
1072	Modeling And Detecting Influential Observations In Bilinear Models With The Application On Environmental Data	Ibrahim bin Mohamed	Universiti Malaya	S&T CORE
1073	Environmental Degradation And Landscape Conservation Approaches For Biodiversity	Wong Khoon Meng	Universiti Malaya	S&T CORE

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1074	A Non-Thermal Plasma Source: Design, Characterization And Bio-Application	Chin Oi Hoong	Universiti Malaya	S&T CORE
1075	The Search For New Tin And Related Mineral Resources	Teh Guan Hoe	Universiti Malaya	S&T CORE
1076	Capillary Discharge Soft X-Ray Laser	Kwek Kuan Hiang	Universiti Malaya	S&T CORE
1077	Synthesis And Properties Of Cobalt-Chromium-Molybdenum Bio-Compatible Materials For Bio-Medical Application	Shamsul Baharin Jamaludin	Universiti Malaysia Perlis	S&T CORE
1078	Biogenic Volatile Organic Compounds Emission In Malaysian Landscapes And Its Implication To The Global Carbon Cycle	Maryati Mohamed	Universiti Malaysia Sabah	S&T CORE
1079	Operating Small And Medium Size Accommodation Enterprises In Sabah	Jennifer Chan Kim Lian	Universiti Malaysia Sabah	S&T CORE
1080	Modelling Service Quality, Customer Satisfaction And Customer Loyalty Of Island Hotels In Malaysia.	Mahadzirah Binti Mohamad	Universiti Malaysia Terengganu	S&T CORE
1081	Controlling And Managing Of Cryptosporidium & Giardia Potential Risk In Water Environment Via Nano Technology And Novel Eco-Efficient Micro-Organism Separation System (Microsys)	Nora'aini Ali	Universiti Malaysia Terengganu	S&T CORE
1082	Development Of Environmental-Safe Bio-Based Hydraulic Fluid By Chemical Modification Techniques.	Wan Mohd Norsani bin Wan Nik	Universiti Malaysia Terengganu	S&T CORE
1083	Heuristic And Metaheuristic For Non-Oriented Two-Dimensional Rectangular Single Bin Size Bin Packing Problem With Due Dates	Lee Lai Soon	Universiti Putra Malaysia	S&T CORE
1084	Dynamic Scaling Based Preconditioning For Truncated Newton Methods In Large Scale Unconstrained Optimization	Leong Wah June	Universiti Putra Malaysia	S&T CORE

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1085	Thermal Phonon Behavior In Non-Metal Solids At Low Temperatures	Mohd Maarof Bin H.A. Moxsin	Universiti Putra Malaysia	S&T CORE
1086	Classification Problems Of Finite Dimensional Loday Algebras	Rakhimov Isamiddin	Universiti Putra Malaysia	S&T CORE
1087	Survival Data Mining For Predicting Customer Churns And Fraud Detection In Telecommunications Industry	Mohd Rizam bin Abu Bakar	Universiti Putra Malaysia	S&T CORE
1088	Intellectual Capital (Ic) Management: Identifying, Measuring And Reporting Of Intellectual Capital	Foong Soon Yau	Universiti Putra Malaysia	S&T CORE
1089	Preparation And Characterization Of New Series Of Banana- And Discotic Liquid Crystal Compounds	SIDIK BIN SILONG	Universiti Putra Malaysia	S&T CORE
1090	The Environmental And Economic Impact Of Sfm Practices On The Growth Of Malaysian Wood-Based Industry	Abdul Rahim Abdul Samad	Universiti Putra Malaysia	S&T CORE
1091	Market Study On The Supply Chain Management Of The Malaysian Meat Based Industries	Zainal Abidin bin Mohamed	Universiti Putra Malaysia	S&T CORE
1092	Scattering States And Geodesics On Simple Punctured Surfaces And Hyperbolic Orbifolds	Hishamuddin Zainuddin	Universiti Putra Malaysia	S&T CORE
1093	Testing The Adaptability Of Gbtool For Assessing The Sustainable Performance Of Commercial Buildings In Malaysia	Elias bin Salleh	Universiti Putra Malaysia	S&T CORE
1094	An Econometric Appraisal Of Single Currency Models On Asian Countries	Azali bin Mohamed	Universiti Putra Malaysia	S&T CORE
1095	The Social Costs And Benefits Of Peatland Cultivation Towards Sustainable Agricultural Development	Khalid Bin Abdul Rahim	Universiti Putra Malaysia	S&T CORE

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1096	Financial Development, Poverty And Human Capital In Malaysia	Law Siong Hook	Universiti Putra Malaysia	S&T CORE
1097	Off-Farm Employment And Structure Of Farm Household Labor Force In Granary Areas	Norsida binti Man	Universiti Putra Malaysia	S&T CORE
1098	Developing Professional Teacher Learning For Educational Change	Mohd. Majid Konting	Universiti Putra Malaysia	S&T CORE
1099	Assessing Consumers' Purchasing Behavior Toward Local Agricultural Products	WONG FOONG YEE	Universiti Putra Malaysia	S&T CORE
1100	The Psychological Well-Being And Academic Achievement Of Early Adolescent Orphans From Widow Families	Maznah Baba	Universiti Putra Malaysia	S&T CORE
1101	Family-Friendly Employment Policies: A Comparative Study In Public And Private Organizations	Aminah Binti Ahmad	Universiti Putra Malaysia	S&T CORE
1102	Exchange Rate, Monetary Fundamentals And Development Strategies For The Asean Countries	Ahmad Zubaidi Baharumshah	Universiti Putra Malaysia	S&T CORE
1103	Capital Mobility And Saving-Investment Correlation: The Experience Of Southeast Asian Economies	Marial Awou Yol	Universiti Putra Malaysia	S&T CORE
1104	National Ethos And Media Use Of 15-25 Years At-Risk Youth: Implication On Nation Building	Ezhar bin Tamam	Universiti Putra Malaysia	S&T CORE
1105	Family Communication And Use Of Computer Among Malaysian Farm Families	Siti Zobidah Omar	Universiti Putra Malaysia	S&T CORE
1106	The Development Of The Mediated Employer-Employee Language Profile (Melp) As A Mechanism To Benchmark English Language Needs Of The Malaysian Service Sector Industry	Rosli bin Talif	Universiti Putra Malaysia	S&T CORE

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1107	Management Communication Practices And Language Use In Agricultural Based And Agriculture Related Malaysian Multinational Corporations (Mncs)	Shameem Begum binti Mohd Rafik Khan@Rafik-Galea	Universiti Putra Malaysia	S&T CORE
1108	Economic Analysis Of Beekeeping Project In Malaysia: The Case Of Apis Millifera	Mohd Mansor Bin Ismail	Universiti Putra Malaysia	S&T CORE
1109	Theoretical And Empirical Studies To Model Supply Chain Relationships In Malaysian Manufacturing And Service Sectors	Murali Sambasivan	Universiti Putra Malaysia	S&T CORE
1110	Three Dimensional Boundary Value Problems For Cracks	NIK MOHD ASRI BIN NIK LONG	Universiti Putra Malaysia	S&T CORE
1111	Investigation Of The Transport Mechanism Of Polycrystalline Metal Chalcogenide Compounds (Cuse, Cuinse) Thin Films	Zainal Abidin Talib	Universiti Putra Malaysia	S&T CORE
1112	Automation And Portability Of Thermal Wave Resonance Cavity Technique	Azmi Bin Zakaria	Universiti Putra Malaysia	S&T CORE
1113	Patterns Of Social Relationships And Psychological Well-Being Among Older Persons In Peninsula Malaysia	Nurizan binti Yahya	Universiti Putra Malaysia	S&T CORE
1114	Perception, Awareness And Risk Factors Of Elder Abuse	Tengku Aizan binti Tengku Abdul Hamid	Universiti Putra Malaysia	S&T CORE
1115	Design And Construction Of A Novel 3-Phase Unified Power Flow Controller (Upfc) System Using Multilevel Structure.	SENAN MAHMUD ABDULLAH	Universiti Putra Malaysia	S&T CORE
1116	Intelligent Predictive Control Of An Autonomous Mobile Robot Navigation	Mohammad Hamiruce bin Marhaban	Universiti Putra Malaysia	S&T CORE
1117	Penghayatan Semangat Patriotisme Dan Nasionalisme : Pelatih Program Latihan Khidmat Negara (Plkn).	Mohd. Mahadee Haji Ismail	Universiti Putra Malaysia	S&T CORE

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1118	Pengetahuan Dan Amalan Penggunaan Lestari Di Kalangan Pelajar Sekolah Menengah	Mumtazah binti Othman	Universiti Putra Malaysia	S&T CORE
1119	Modelling Of Karst Landform For Engineering Purpose	HUSAINI OMAR	Universiti Putra Malaysia	S&T CORE
1120	Amalan Tradisional Masyarakat Pribumi Dan Pemeliharaan Biodiversiti Di Sabah	Adlina Ab. Halim	Universiti Putra Malaysia	S&T CORE
1121	Design And Development Of Osdcm Transponders For Metro Networks	Makhfudzah Mokhtar	Universiti Putra Malaysia	S&T CORE
1122	Economic Wellbeing And Human Capital Investment Of Female-Headed Households	Sharifah Azizah binti Haron	Universiti Putra Malaysia	S&T CORE
1123	Voltage Collapse Point Determination Technique Using Fuzzy-Based Formulation	Hashim bin Hizam	Universiti Putra Malaysia	S&T CORE
1124	Development Of A Computer-Based System For Design And Management Of Vegetated Waterways	BADRONNISA YUSUF	Universiti Putra Malaysia	S&T CORE
1125	Computer - Supported Collaborative Road Safety Learning Performance Among Malaysian Children	Ahmad Hariza bin Hashim	Universiti Putra Malaysia	S&T CORE
1126	Advancement Of Transient Heat Transfer Testing Using Thermochromic Liquid Crystal Technique	Abd Rahim bin Abu Talib	Universiti Putra Malaysia	S&T CORE
1127	The Impact Of Indoor Air Quality On Longevity Of Building.	Eris Elianddy Supeni	Universiti Putra Malaysia	S&T CORE
1128	Development Of A Non-Destructive Ground Penetrating Radar (Gpr) Device For Road Pavement Density Measurement	Helmi Zulhaidi bin Mohd Shafri	Universiti Putra Malaysia	S&T CORE

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1129	Design And Fabrication Of Environmental Gas Sensor Using Screen Printing Technique.	RAHMAN WAGIRAN	Universiti Putra Malaysia	S&T CORE
1130	Zigbee Based Non-Invasive Medical Sensors For Wireless Body Area Network	Mohd Fadlee A Rasid	Universiti Putra Malaysia	S&T CORE
1131	Development Of Artificial Neural Network (Ann) System For The Assessment Of Bridge Conditions	Mohd Saleh bin Jaafar	Universiti Putra Malaysia	S&T CORE
1132	Analisis Keperluan Dan Pemetaan Inventori Keupayaan Menggunakan Sistem Maklumat Geografi (Gis): Satu Strategi Untuk Perancangan Program Pengupayaan Komuniti Orang Asli	Asnarulkhadi bin Abu Samah	Universiti Putra Malaysia	S&T CORE
1133	Profesionalisme Dalam Kerja Belia Di Malaysia: Potensi Dan Cabaran	Khairuddin Idris	Universiti Putra Malaysia	S&T CORE
1134	To Evaluate The Potential Of Agricultural Byproducts As Alternative Filter Packing Material For The Biofiltration Of Air Streams Contaminated By Volatile Organic Compounds.	Puziah binti Abdul Latif	Universiti Putra Malaysia	S&T CORE
1135	A Study Of The Performance Of Home Water Filters For Improving Water Quality	Mohammad Ismail Bin Yaziz	Universiti Putra Malaysia	S&T CORE
1136	Visual Impact Assesment (Via) As An Urban Design Approach Towards Creating Visual Qualities In Urban Areas	Azizi Muda	Universiti Putra Malaysia	S&T CORE
1137	Determination Of Effectiveness Of Traffic Noise Barrier In Selected Residential Areas Of Klang Valley.	Ramdzani bin Abdullah	Universiti Putra Malaysia	S&T CORE
1138	Effective Leadership Communication In Malaysian Organizations	Lailawati Binti Mohd Salleh	Universiti Putra Malaysia	S&T CORE
1139	Studies On Plastic Pellets And Hazardous Chemicals In Shorebird's Feeding Sites	Ahmad bin Ismail	Universiti Putra Malaysia	S&T CORE

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1140	Enhancement For Design Of Interactive Web-Based Intructional System With Rss (Really Simple Syndication)	Sidek bin Hj Abd Aziz	Universiti Putra Malaysia	S&T CORE
1141	A General Equilibrium Analysis Of Economic Impacts Of High Energy Prices In Malaysia.	Zakariah Abdul Rashid	Universiti Putra Malaysia	S&T CORE
1142	Preparation And Evaluation Of Quantum States Through Optical Methods	Ionel Valeriu Grozescu	Universiti Putra Malaysia	S&T CORE
1143	Development Of An Intergrated Biodiversity Support System At Landscape Level	Shattri bin Mansor	Universiti Putra Malaysia	S&T CORE
1144	Predictors Of School Counselors' Commitment Towards Counseling Profession: It's Implication On Students Career Development	Ab. Rahim Bakar	Universiti Putra Malaysia	S&T CORE
1145	Development And Evaluation Of Bilayer Photocatalysis-Adsorption Hybrid System For Use In Solar Detoxification Of Environmetal Pollutants .	Mohd.Asri Nawi	Universiti Sains Malaysia	S&T CORE
1146	Development Of Intelligent Monitoring System For Palm Oil Refining Processes	Norhashimah binti Morad	Universiti Sains Malaysia	S&T CORE
1147	Development Of Low Cost Landslide Monitoring System Based On Fiber Optics	Mahfoozur Rehman	Universiti Sains Malaysia	S&T CORE
1148	Application Of Non-Invasive And Remote Self-Potential (Sp) Geophysical Technique For Subsurface Hydrogeological Investigation And Characterization By Clever Geophysical Modeling And Inversion.	Kamar Shah Ariffin	Universiti Sains Malaysia	S&T CORE
1149	Study On Effectiveness Of Capillary Barrier As Landfill Cover Under Tropical Climate	Hamidi bin Abdul Aziz @ Abdul Rahman	Universiti Sains Malaysia	S&T CORE
1150	Development Of Sustainable Transport Index Based On The Performance Of Urban Public Transport System	Leong Lee Vien	Universiti Sains Malaysia	S&T CORE

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1151	Optimised Image Analysis And Neural Network Techniques For Cancer Detection	Harsa Amylia Mat Sakim	Universiti Sains Malaysia	S&T CORE
1152	Malaysian Children, Television And The Environment - A Focus On Identities, Commercialisation And Environmental Literacy	Shanthi Balraj Baboo	Universiti Sains Malaysia	S&T CORE
1153	Chemically Modified Starch For The Development Of Environmentally Degradable Thermoplastics Films	Wan Ahmad Kamil bin Che Mahmood	Universiti Sains Malaysia	S&T CORE
1154	Sustainable Water Resources Development Related To Downscaling Approach	Sobri bin Harun	Universiti Teknologi Malaysia	S&T CORE
1155	Road Vehicle Convoy Control Systems	Shahdan Sudin	Universiti Teknologi Malaysia	S&T CORE
1156	Development Of A Truck Chassis	Roslan bin Abd. Rahman	Universiti Teknologi Malaysia	S&T CORE
1157	Development Of A New Technique For Design Of Cost Effective Minimum Water Network (Mwn) For Urban And Industrial Systems – A Focus On Semiconductor Manufacturing	Zainuddin bin Abdul Manan	Universiti Teknologi Malaysia	S&T CORE
1158	Conceptual Design Of A Shallow Draught Vessel With Minimum Resistance And Response	Adi Maimun bin Hj Abdul Malik	Universiti Teknologi Malaysia	S&T CORE
1159	Development Of Active Suspension Systems For A Quarter Car Model	Dr. Yahaya bin Md Sam	Universiti Teknologi Malaysia	S&T CORE
1160	Study Of Daylighting And Building Performance Of Atria Buildings In Malaysia	Sabarinah Sh Ahmad	Universiti Teknologi MARA	S&T CORE
1161	Development Of A Principal Approach For The Transverse Strength Of A Semi-Swath Vessel	Shaharudin bin Ahmad	Universiti Teknologi MARA	S&T CORE

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1162	Development Of Non-Destructive Geotechnical Characterization Of Weak Rock In Tropical Climate	Zainab Mohamed	Universiti Teknologi MARA	S&T CORE
1163	The Study Of Physical And Bio-Chemical Pollutant Transport In Urban Drainage Network.	JUNAIDAH BINTI ARIFFIN	Universiti Teknologi MARA	S&T CORE
1164	Development Of Corrosion Inhibitors Using Schiff Base Compounds	Mohamad Kamal Harun	Universiti Teknologi MARA	S&T CORE
1165	Intelligent Embedded Controller For Ngv Refuelling	Nordin bin Saad	Universiti Teknologi PETRONAS	S&T CORE
1166	Development Of A Three-Dimensional (3d) Boundary Element Method (Bem) Solver For Thin Liquid Film Flow Applications.	Norshah Hafeez Bin Shuaib	Universiti Tenaga Nasional	S&T CORE
1167	Multilevel-Inverter For Direct Torque-Control Of Induction Motor For Optimum Drive Performance And Energy Efficiency	Zahrul Faizi bin Hussien	Universiti Tenaga Nasional	S&T CORE
1168	An Adaptive Strategy For The Prevention Of Power System Wide Collapse	Izham bin Zainal Abidin	Universiti Tenaga Nasional	S&T CORE
1169	A Laboratory Study Of The Shear Wave Velocity And One-Dimensional Compressibility Of Stabilised Columnar Systems Of The Kuittho Clay	CHAN CHEE MING	Universiti Tun Hussein Malaysia	S&T CORE