

**INVENTION & INNOVATION AWARDS 2018
MALAYSIA TECHNOLOGY EXPO 2018
22-24 February 2018, PWTC Kuala Lumpur**

SILVER MEDAL LIST

No	Title of Invention/ Innovation	Inventor/s	Organization
1	HYALURON+VITAMINS INTENSIVE REVITALIZING LINE	MIRJANA BRLECIC	Croatia
2	Automatic train protection system AP AUTOSTOP	ZVONIMIR VIDUKA	Croatia
3	MODULAR SEATING SYSTEM	NIK ADLIN NIK MOHAMED SUKRI	FRIM
4	Smart Knife & Cutter	FAUZI BIN ZAKARIA	Giatmara Bachok
5	A Duplex Real Time Polymerase Chain Reaction Assay for Rapid Diagnosis of Leptospirosis	FAIRUZ BINTI AMRAN	IMR
6	Biocomposite Noise Absorbers from Dry Banana (Musa Paradisiaca) Leaves Waste and Ijuk Fibers (Arenga pinnata Merr)	NI KADEK AYU CINDY YULITA	Indonesia
7	Prototype Bulletproof Vest Series 02 (From Combination of Ketapang Leaf Waste (Terminalia catappa), Rice Straw (oryza sativa), coconut Husk (Cocoa nucifera), Banana Leaf, and Cotton Fabrics	NI MADE GALUH CAKRAWATI DHARMA WIJAYA	Indonesia
8	Utilization Powder of Blood Clam Shell (Anadara granosa) as Eco-Pipe	I MADE PRADANA KUSUMA PUTRA	Indonesia

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9	Charcoal Rescue Environmental Problems (CREPs)	MUHAMMAD NOOR FAIZ HUSSAINI PRATAMA & MUHAMMAD TONI SETIAWAN	Indonesia
10	I.E.MECH (INTELLIGENT EQUIPMENT MECHANICAL)	MOHD FARMEZEE BIN ABDULLAH	JKR
11	COUNSELLING RESEARCH & INNOVATION : SARAWAK CIVIL SERVICE EMPLOYEE EXCELLENCE PROGRAMME MODULE (SCS-EEP)	ENCIK RIZIANDY BIN NAWAWI	Kerajaan Negeri Sarawak
12	DEAL APP	LEE MOONYOUNG	KOREA
13	Efficient and Cost Effective Mass Propagation Technique of True-to-type MD2 Pineapple Planting Materials	NORSYUHaida AHMAD SHAFAWI	MARDI
14	MARDI NANOSENSE™ : Immuno-Gold Biosensor Strip for Antibiotics Detection in Poultry Industry	DR. FARIDAH BINTI SALAM	MARDI
15	Trilobite VisualCast	Ouek Albert	MMU
16	iSPARKS: Integrated Outdoor Smart Parking System	Cheong Soon Nyeon	MMU

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17	I-Vision Learning Board	Chong Peng Lean	MMU
18	PRODUCTION OF DIFFERENT GRADE OF OIL PALM BASED CARBOXYMETHYL CELLULOSE	DR NUR ELIYANTI ALI OTHMAN	MPOB
19	MICRO FIBRILLATED CELLULOSE FROM OIL PALM BIOMASS FIBERS	DR FATHIA BINTI ISMAIL	MPOB
20	"NEW DEVELOPED TECHNIQUE FOR WELDING DISSIMILAR STEELS"	DR. MOHAMMED N. ABDULRAZAQ	MSU
21	JELLY-LIN	DR. RUZAINA ISHAK	MSU
22	Prevulcanized Natural Rubber Latex via Hybrid Radiation and Peroxidation Vulcanizations	SOFIAN IBRAHIM	Nuklear Malaysia
23	AREFCERT: Radiofrequency Radiation Safety Level System	ROHA TUKIMIN	Nuklear Malaysia
24	MAVALOS HUMCARE SET	Noor Liza binti Ramli	Politeknik Tuanku Sultanah Bahiyah

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25	The SmartBin System for Managing and Monitoring Bin Collection	ASSOC. PROF. DR. MOHAMMAD NAZIR AHMAD	Private
26	Development Of MY Ankle Hinged Fixator	ASSOC. PROF. DR. YAZID BAJURI	Private
27	DETECTOR FOR CARBON MONOXIDE IN VEHICLE (DECOV)	NIK MOHD FARID BIN NIK HASSAN	Pusat Latihan Teknologi Tinggi (ADTEC)
28	LOW COST LEUCITE GLASS-CERAMIC INGOT FOR DENTAL RESTORATION USING LOCAL SILICA SAND	SITI MAZATUL AZWA BT SAIYED MOHD NURDDIN	Pusat Penyelidikan Mineral
29	Eco-friendly Crystal Glass	MOHAMAD HANIZA BIN MAHMUD	Pusat Penyelidikan Mineral
30	ECO GREEN PAPER	DR. ROHAYA BT OTHMAN	Pusat Penyelidikan Mineral
31	An electric transportation with smart safety	SHIH-HSIEN LIN	TAIWAN
32	Simple Tap Water Fountain Device	HEN-SHIU PENG	TAIWAN

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33	A NEW APPROACH FOR COMPOSITE COATING DEVELOPMENT ON METALLIC MATERIALS	PROF. DR. MD ABDUL MALEQUE	UIAM
34	PATIENT AND PUBLIC EMPOWERMENT SYSTEM ONLINE ASSESSMENT OF DIPRESSION:ANXIETY AND STRESS LEVEL THROUGH WEB AND SMART-PHONE APPLICATIONS	PROF. DR. RAMLI MUSA	UIAM
35	NOVEL MYCO-COAGULANT TO REDUCE RIVER WATER TURBIDITY	PROF. DR. ABDULLAH ALMAMUN	UIAM
36	ORTHOBOARD AN ORTHOPAEDIC APP FOR MEDICAL EDUCATION	ASST. PROF. DR. GOH KIAN LIANG	UIAM
37	E-DIWAN INGENIOUS MOBILE INTERACTIVE ARABIC POET TRAINER	PROF. DR. RAHMAH AHMAD H. OSMAN	UIAM
38	PRODUCTION OF CONSUMABLE LIQUID HYDROSOL FROM GAHARU	PROF. DR. KU HALIM KU HAMID	UiTM
39	RT-GeType: Real-time Genotyping Kit for HLA-B*15:02	MOHD ZAKI SALLEH	UiTM
40	Gluten-Free Flour derived from Banana Peels	ASSOCIATE PROFESSOR DR. KHONG HENG YEN	UiTM

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41	GREEN GEOPOLYMER FOR DESICCANT COOLING SYSTEM	NILOFAR ASIM	UKM
42	MICROLIPID ENCAPSULATED KACIP FATIMAH	PROF. DR. MISNI MISRAN	UM
43	e-siyahah : An Interactive Platform to Learn Arabic Language for Tourism Purpose	WAN AB AZIZ BIN WAN DAUD	UMK
44	MOOC: 2E towards 2S in Learning : Enhancing and Engaging (2E) students Towards Satisfaction and Self Directed, Access and Paced (SEDAP) (2S) in Learning	SURIA BABA	UMK
45	ERGOSOF : A MALAYSIAN ERGONOMICS SOFA FOR SAFETY AND HEALTH	ASSOC. PROF. IR. DR. AHMAD RASDAN ISMAIL	UMK
46	My-Akti-FIL	DR. PALSAN SANNASI ABDULLAH	UMK
47	CARRA CAPS: NANOCELLULOSE FORMULATED	ASSOCIATE PROFESSOR DR. FATMAWATI ADAM	UMP
48	WPC Simusoft: A Simulation Software to Aid Wood Plastic Composite	ASSOC. PROF. DR. NORAZIAH AHMAD	UMP

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49	ENVIRONMENTAL FRIENDLY NANOFUIDIN MILLING MACHINES	PROF. DR. MD MUSTAFIZUR RAHMAN	UMP
50	MYEmotion : An Intelligent Tool for Children Emotion Detection using rule base data mining technique	DR. RAHMAH MOKHTAR	UMP
51	Peak Flow Factor in Sanitary Flow System	NGIEN SU KONG	UMP
52	SIMULTANEOUS BIOPOLYMER SYNTHESIS AND POWER GENERATION IN BIOELECTROCHEMICAL SYSTEM	MD. MAKSUDUR RAHMAN KHAN	UMP
53	Adaptable, gravity-fed and energy-smart multi-trophic aquaculture systems modulated for mitigating the carbon footprint	DR. ABENTIN ESTIM	UMS
54	SPoly: Healthy Seaweed-Enriched Bread	ASSOC. PROF. DR. PATRICIA MATANJUN	UMS
55	MOBILE SUSPENDED ARTIFICIAL REEF FOR ARTISANAL FISHERMAN	PROFESSOR DR. ISMAIL ALI	UMS
56	DEVELOPMENT OF NEW FORMULATED URETHANE BASED DENIM DYE FIXING AGENT FOR DENIM FINISHING APPLICATION	ASSOCIATE PROFESSOR DR COSWALD STEPHEN SIPAUT @ MOHD NASRI	UMS

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57	NOVEL AND NATURAL ULTRASOUND GEL- A GREEN AND EFFECTIVE TECHNIQUE USED IN MEDICAL AND PARAMEDICAL FIELDS	DR. MAHENDRAN SEKAR	UNIKL
58	Design And Development Of Automated Boiler UHT Machine For Dadih and Milk	MUHAMAD FARIZUAN BIN ROSLI	UNIMAP
59	A robust lead-free solder join for aerospace electronic interconnect applications	DR. MOHD ARIF ANUAR MOHD SALLEH	UNIMAP
60	A VASNET Framework to Support Device-to-Device Communication in Disaster Management System	DR MOHAMAD NAZIM JAMBLI	UNIMAS
61	DIGITAL TECHNOLOGY SIT AND REACH 2.0 (DISAR 2.0)	ASSOC. PROF. DR. MOHAMAD RAZALI ABDULLAH	UNISZA
62	iMB™ – In-situ Microalgae Bio-engineered Harvester	PROFESSOR DR. AZIZAH BINTI ENDUT	UNISZA
63	RELATIVE AGE EFFECT- FITNESS INDEX CALCULATOR (RAE-FIC)	ASSOC. PROF. DR. MOHAMAD RAZALI ABDULLAH	UNISZA
64	NUZADONE: A COMBINATION OF FUNCTIONAL FOOD FOR METHADONE MAINTENANCE THERAPY PROGRAM CLIENT	PROF. DR. NASIR BIN MOHAMAD	UNISZA

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65	SEPAK TAKRAW GAME ANALYSIS SOFTWARE (StGAS)	ASSOC. PROF. DR. MOHAMAD RAZALI ABDULLAH	UNISZA
66	BIORESIN FROM CRUDE PALM OIL	ONG HUEI RUEY	University Of Automotive DRB HICOM
67	Edu-tourism in leisure innovation	ASSOC. PROF. DR. FARIDAH QAMARUZ ZAMAN	UPM
68	ANIMATED KARAOKE ASSISTED VOCABULARY LEARNING	DR. MUHAMMAD ALIF REDZUAN ABDULLAH	UPM
69	Medical Rescue Vest	MOHD SHAHRIZAL DOLAH	UPM
70	GENETIC MODIFICATION OF NEWCASTLE DISEASE VIRUS FOR THE TREATMENT OF CANCER	DR. CHIA SUET LIN	UPM
71	abstractchecker.com	PROF. DR AIN NADZIMAH ABDULLAH	UPM
72	ALGATex: NATURAL ALGAE DYE FOR TEXTILE PRODUCTS	ASSOCIATE. PROF. DR. NAZLINA SHAARI	UPM

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73	InnoHub the Market Validation Hub	MR. AHMAD ZAKIR DATO' WIRA JA'AFAR	UPM
74	PERSONAL TRAFFIC BATON	MUHAMAD AZANI YAHYA	UPNM
75	NEXT GENERATION BODY PROTECTIVE MAT FROM TROPICAL CELLULOSE/LATEX ELECTROSPUN NANOCOMPOSITE FIBER	PROF. DR. FAUZIAH BINTI HAJI ABDUL AZIZ	UPNM
76	Emergency Portable Power System (e-PPS)	SURESH A/L THANAKODI	UPNM
77	Development of Wireless Sensor Network (WSN) and Mobile AD-Hoc Network (MANET) Communication for Peacekeeping Operations	PROF. MADYA DR MOHD NAZRI BIN MOHD ISMAIL	UPNM
78	Eco-G : Graphene from Waste Chicken Fat	DR. MOHAMAD SAUFI BIN ROSMI	UPSI
79	Sedap Cycle : A New Musical Composition for Piano Four-Hands insspired by Malaysian Cuisine	WESLEY ALLAN JOHNSON	UPSI
80	Multi – Functional Energy Storage for Effective reliable and Cheap Supply of Electricity	LIM YUN SENG	UTAR

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81	μ -MIXER (MICROMIXER FOR DILUTION AND MIXING)	ASSOC. PROF. DR. SOON CHIN FHONG	UTHM
82	SMART NANOSTRUCTURED MEMBRANES TO REMOVE HEAVY METALS FROM WATER	NORHANIZA BINTI YUSOF	UTM
83	TRIPLE-LAYER MT-SOFC: COMPACT ELECTRICAL GENERATOR	ASSOCIATE PROFESSOR DR MOHD HAFIZ DZARFAN BIN OTHMAN	UTM