

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

BRONZE MEDALIST

No	Title of Invention/ Innovation	Inventor/s	Organization
1	OMEGA 6 CREAM - HYDRO for dry and dehydrated skin	MELITA PAVLEK -MOCAN	Croatia
2	MINI ELECTRONIC BOXING	PAVAO POTOCKI	Croatia
3	Pemisah Biji Koko & Betik	ABDUL RAHAMAN BIN YAHAYA	Giatmara Beruas
4	Pengalih Anak Pokok Pisang	MOHAMAD ADZHARI BIN KABOL	Giatmara Bintulu
5	SMART WIRING FOR MOTORCYCLE LEARNING	TUAN SHAMSUL BAHRI BIN TUAN LAH	Giatmara Kelantan
6	Kren Mini Unit Luar Penyaman Udara	JAFRI BIN MINAN	Giatmara Pengerang
7	The Carpet Roller	HJ. HANIFAH BIN ABD GHANI	Giatmara Petaling Jaya
8	SeMTeK (Section Model Of Mechanical Part Traning Kit)	IDRIS BIN ISHAK	IKM Lumut

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9	IMR Forensik Entomology Kit to Improving the quality of Crime Scene Investigation (CSI)	DR NAZNI BTE WASI AHMAD	IMR
10	ORGAN TRANSPALNT AND ENCEPHALITIS-QUICK AND ACCURATE DIAGNOSIS USING HERPES VIRUSES FOURPLEX REAL TIME PCR	DR. RAVINDRAN THAYAN	IMR
11	SALT IODATE MICRO – METHOD (SIMM)	HUSNIZA HUSSAIN	IMR
12	PERI SHAMPOO (Polyscias Oryza Shampoo) as a Health and Environmental Friendly Shampoo	VINSKI QAHIRRA ERLAN	Indonesia
13	“Antiseptic Solid Soap from Waste Cooking Oil and Betel Leaf Extract (Piper betle L.)	SANG AYU BULAN DIRGA PRADNYANI	Indonesia
14	BIOCOMPOSITE BOARD FROM CANANG WASTE	KADEK PUTRA PUJA WIRAWAN	Indonesia
15	The Neuroprotective Effect of β -Glucan Extracted from <i>Saccharomyces cerevisiae</i> on <i>Rattus Norvegicus</i> Ischemic Stroke Model	DEDY BUDI KURNIAWAN, MOKHAMAD FAHMI RIZKI SYABAN, NUR NADIA BINTI ABDUL HALIM, MUHAMMAD UNZILA RAFSI, MUHAMAD HAITSAM	Indonesia
16	Cafana Syrup Effectiveness Research to Inhibit the <i>Escherichia Coli</i> Bacteria Growth that Causes Diarrhe	PUTU MIRAH WAHYU SUBAGIA PUTRI	Indonesia

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17	GEN-POMET : A POULTRY TRANSFORMATION CONCEPT BASED ON THE IMPLEMENTATION OF ANIMAL WELFARE BY ECO GREEN	MUHAMMAD ANDIKA YUDHA HARAHAP	Indonesia
18	Hydrover: Designing Verticulture Using Waste Materials	KHAIRIL ASNAN HAEDAR	Indonesia
19	CREAM WITH EXTRACTED YAM BEAN SEED AS A SAFE, EFFECTIVE, AND AFFORDABLE ALTERNATIF ANTIMYIASIS DRUG	YOGA RIVALDI	Indonesia
20	BANANY (BACKUP ANYWHERE ANYTIME)	IGA NARENDRA PRAMAWIJAYA, I NYOMAN WIGRAHA YOGA, I GUSTI NGURAH AGUNG AGNI PREMA NUGRAHA, IDA BAGUS DWIWEKA NARATAMA, NYOMAN SATIYA NANJAYA SADHA	Indonesia
21	RIVER WATER PURIFIER USING ELECTROCOAGULATION, OZONATION, AND DOUBLE FILTRATION TO IMPROVE THE RIVER WATER QUALITY IN INDONESIA	BIMANTO BAYU BINTORO	Indonesia
22	CARBON DOTS AS A SENSITIZER IN DYE SENSITIZED SOLAR CELL WITH SOLAR TRACKING SYSTEM AS AN INNOVATION OF PHOTOVOLTAIC DEVICES	RIZKA ZAKIYATUL MISKIYAH	Indonesia
23	BATAKUR (BATU BATA KAPUR) : USE OF SKIN WOOD SHELL BE LIQUIDED WITH RICE HUSK BECOME A BRICK AS A STRATEGY TO INCREASE TARGETS OF PEOPLE'S ECONOMY IN THE WALKING ISLAND OF TANJUNG BERINGIN, REGENCY OF SERDANG BEDAGAI	ILHAM SYAH PUTRA	Indonesia

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24	Logicmacs (Low Energy Greenhouse With Automatic Monitoring and Controlling System for Better Quality And Quantity Production of Horticulture	RAGIL ADI NUGROHO	Indonesia
25	Sangge Ni Pote Spray	HABIB HERNANDO	Indonesia
26	THE OCASSIA CANDLE: BIOAROMATHERAPIC ENVIRONMENTAL FRIENDLY CANDLE TO DECREASING MOSQUITO-BORNE DISEASE	NDILALAH PULUNGAN	Indonesia
27	FILTER MONITORING SYSTEM (FMs)	AZLAN HIZAMI BIN ABDULLAH	INSTITUT LATIHAN PERINDUSTRIAN JITRA
28	AIRPORT TAG	MR. ALI ARIYAN MANESH & MISS. FATEMEH ARIYAN MANESH	IRAN
29	AFFORDABLE UNPLATE ELECTRO - COUPLER	RAYAN ELECTRONIC SEPEHR JAHANGIR	IRAN
30	AUDIO ROAD ALERT SYSTEM (ARAS)	RAYAN ELECTRONIC SEPEHR JAHANGIR	IRAN
31	AN APPARATUS TO SUPPORT A MECHANICAL DEVICE	IR. DR. TUAN SUHAIMI BIN SALLEH	JKR

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32	Smart Hybrid Tourism Platform based on AR/VR	LIM SANGTEAK	KOREA
33	A Proven & EFFICIENT GREEN APPROACH TO CONTROL PAPAYA BACTERIAL DIEBACK DISEASE	GANISAN KRISHNEN	MARDI
34	Hybrid Gasoline-Electric Powered Drone	Lim Tien Sze	MMU
35	SHERLOCK: Video Analytics for Long-Term Surveillance of Outdoor Carparks	John See Su Yang	MMU
36	PIQUAL: Automatic Aesthetic Quality Rating of Photographs	John See Su Yang	MMU
37	MORSIGN	Ooi Shih Yin	MMU
38	Flood Alert Solar Lamp	Chong Peng Lean	MMU
39	LS-1000 Real-Time Fiber Optic Dosimetry System	Prof. Ir. Dr. Hairul Azhar Abdul Rashid	MMU

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40	A Device and System for Neonatal Jaundice Treatment	Dr. A S M Mukter Uz Zaman	MMU
41	Integrated Connected Vehicle Services (ICoVS)	Dr. Afizan Azman	MMU
42	BATTERY POWERED OIL PALM HARVESTING TOOL	ABDUL RAZAK JELANI	MPOB
43	PRODUCTION OF SANDWICH BOARD FROM OIL PALM TRUNK	ANIS MOKHTAR	MPOB
44	Green and Innovative Palm-Based Microemulsions Consisting Natural Insect Repellent as Multipurpose Liquid Cleaners	DR. ISMAIL AB. RAHMAN	MPOB
45	PRODUCTION OF SALAK (Salacca zalacca) INTEGRATED WITH OIL PALM	NORKASPI B. KHASIM	MPOB
46	Math Zania : Making Learning Real	MUHAMAD HAFIZ BIN AHMAD NASIR	MRSM Kuala Klawang
47	(PIEZOELECTRONIC ENERGY HARVESTING AT AIRPORTS AND RAILWAYS STATIONS)	DR. SHAHAD NIDHAL AL-YOUSIF	MSU

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48	KSQoL EduPaCg: Informative 3-in-1 Educational Video for Parents and Caregivers of Children with Autism Spectrum Disorder and Attention Deficit and Hyperactivity Disorder	DR. NENI WIDIASMORO SELAMAT	MSU
49	ARDUINO BASED QUADCOPTER WITH MONITORING CAMERA	DR. SAFAA NAJAH SAUD	MSU
50	ARDUINO WRITING MACHINE WITH HIGH ACCURACY AND LOW SIZE AND COST	NUR SHAZWANY BINTI ZAMANI	MSU
51	Radioactive Particle Tracking System – Advance Non Invasive Radiation Based Techniques for 3D Hydrodynamic Visualization in Opaque Multiphase Flow System	MOHD AMIRUL SYAFIQ MOHD YUNOS	Nuklear Malaysia
52	Enhancing the Characteristic of Artificial Stone Utilizing Local Industrial Waste in Palestine	Tasneem Yaqoub Moh. Rabee Ashhab	Palestine
53	Bekkai Lan Leaves (Albertisia Papuana Becc. Leaves) As A Food Seasoning	ABDULLAH BIN AHMAD	Politeknik Kuching
54	RF REMOTE CONTROL FOR HOME APPLIANCES	AZYATI BINTI BASROL	Politeknik Kuching

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55	SPEAKS 2.0	Mejar (K) Mohd Noor bin Shahudin	Politeknik Tuanku Sultanah Bahiyah
56	Smart Water Quality Monitoring	Husaini Aza bin Mohd Adam	Politeknik Tuanku Sultanah Bahiyah
57	PokeMed: AUGMENTED VIRTUAL REALITY BASED EDUCATION TOOL FOR MEDICAL STUDENTS	PROF. DR. MUHAMMAD IFTIKHAR HANIF	Prof. Dr. Muhammad Iftikhar Hanif
58	Development of MY Shoe Air Walker Integrated with Weight Alert System	ASSOC. PROF. DR. YAZID BAJURI	Private
59	Portable Headlight Measurement System (PHM System)	DR. MOHD NIZAM ABDULLAH	SIRIM
60	Malaysian Reference Material Gold (MyRM GOLD)	ADLAN AKRAM BIN MOHAMAD MAZUKI	SIRIM
61	HEARING IMPAIRED SAVIOR (PORTABLE SOUND VOLUME DETECTING AND INDICATING DEVICE)	YOUN-JAN LIN	TAIWAN
62	TROILUS GREAT MEMORY	SHENG-HSIUNG CHIU	TAIWAN

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63	Multi-purpose Baby Play Mat with Scene –Based Toy Kits	YA-JANE CHAUNG	TAIWAN
64	INDEPENDENT WATER COOLER CYCLING GASOLINE	SHIH-JIE LIN	TAIWAN
65	STANDALONE SCALABLE OTP SOLUTIONS FOR SECURE INTERNET BANKING	PROF. DR. FARHAT ANWAR	UIAM
66	INJECTABLE SELF-HARDENED SYNTHETIC BONE CEMENT (OSTEOPASTE) AS A FILLER FOR BONE DEFFECT : A HISTOLOGICAL RESULT FROM EXPERIMENTAL STUDY IN NEW ZEALAND AND WHITE RABBITS' TIBIA	ASSOC. PROF. DR. ZAMZURI ZAKARIA	UIAM
67	ONCE DAILY EPILEPSY MEDICATION FOR PEDIATRIC: NEW CARBAMAZEPINE FORMULATION	ASST. PROF. DR. ABD ALMONEM DOOLAANEA	UIAM
68	ECO-SiC REINFORCED ALUMINIUM MATRIX COMPOSITE FOR MOTORBIKE BRAKE DISC APPLICATION	PROF. DR. MD ABDUL MALEQUE	UIAM
69	ALMOPRO AN EFFECTIVE ANTIMICROBIAL FOR CAPTIVE AQUACULTURE	ASST. PROF. DR. AKBAR JOHN	UIAM

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70	i-MUTAWWIF: THE MOBILE LANGUAGE TRAVELLER GUIDE IN ARABIC FOR MUTAWWIF (UMRAH TOUR GUIDE) VIA SMART PHONE	ASSOC. PROF. DR. MUHAMMAD SABRI SHAHIR	UIAM
71	ECO-COMPOSITE PRODUCTS MANUFACTURED FROM OF PLASTIC WASTE	DR. NOORASIKIN SAMAT	UIAM
72	MODEL OF CRITICAL SIZE DEFECT IN NEW ZEALAND WHITE RABBIT'S TIBIA	ASSOC. PROF. DR. ZAMZURI ZAKARIA	UIAM
73	HIGH QUALITY VEGETABLE OIL FROM MAHKOTA SEED	PROF. DR. MD. ZAIDUL ISLAM SARKER	UIAM
74	Smart Portable Fuel Cell Power Generator	DR MOHD SHAHBUDIN BIN MASTAR @ MASDAR	UKM
75	CELLULOSE NANOMATERIAL DERIVED FROM MARINE BIOMASS	LEE HWEI VOON	UM
76	A NEW ASSESSMENT TOOL OF ENTREPRENEURIAL CHARACTERISTIC USING MOBILE ANDROID GAME FREEZER	ASSOCIATE PROF. DR. MOHAMMAD BIN ISMAIL	UMK
77	M-LEARNING FOR MALAYSIAN SIGN LANGUAGE	TAN TSE GUAN	UMK

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78	THE EFFECTIVENESS OF INTERACTIVE LEARNING TOOLS TOWARDS STUDENT INVOLVEMENT IN TEACHING AND LEARNING	HARNIDAH BINTI SAMENGON	UMK
79	Blended learning: Engendering Education 4.0 by Capturing 2015-2017 and Stipulating 2018-2020 Data Analytics	SURIA BABA	UMK
80	DESIGN MODEL FOR ISLAMIC ANIMATED INFOGRAPHIC	ANUAR BIN MOHD YUSOF	UMK
81	OLSRv2: MULTIPATH BATTERY AND QUEUE-AWARE OLSRv2 Routing PROTOCOL FOR MULTI-HOP AD HOC MBQA-WIRELESS NETWORKS	WAHEB ABDUL JABBAR SHAI ABULLAH	UMP
82	Environmental Friendly Brick : Everly Brick	KHAIRUNISA BINTI MUTHUSAMY	UMP
83	SMART MONITORING OF COMPOSITE STRUCTURES (SMOCS)	MOHD HAFIZI BIN ZOHARI	UMP
84	Skin Care Routine Decision Support System	NOORHUZAIMI @ KARIMAH MOHD NOOR	UMP
85	A new approach to determine the compound with A/B trans and cis conformation and their anticancer properties	DR. TAKASHI KAMADA	UMS

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86	THE ORGANIC MULBERRY TEA: AN INDIGENOUS COMMUNITY TEA PRODUCT MADE FROM UNDERUTILIZED PART OF MULBERRY PLANT	DR FIFFY HANISDAH SAIKIM	UMS
87	KappA: Seaweed Extract with Antioxidant and Anticancer Properties	ASSOC. PROF. DR. PATRICIA MATANJUN	UMS
88	MORUS DRYER AS A NEW REVOLUTIONARY IN MULBERRY LEAVES TEA MAKING IN KG TUDAN	DR. FIFFY HANISDAH SAIKIM	UMS
89	Eco-Dyed: Green Forest and Blue Ocean	Dr. Takashi Tamada	UMS
90	MeMGA	MOHD RIDUAN BIN IBRAHIM	UNIKL
91	SimPL-R: Simulation of Process Mining on Self-Regulated Learning	DR SHAHRINAZ ISMAIL	UNIKL
92	Adjustable Clubfoot Corrective Device	SHAHROL BIN MOHAMADDAN	UNIMAS
93	SEMI – AUTOMATED SPRAY PYROLYSIS SETUP FOR THIN FILM DEPOSITION	MUHAMMAD KASHIF	UNIMAS

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94	Multipurpose Flush Gate for Sedimentation and Peak Discharge Control In Storm Drain	CHARLES BONG HIN JOO	UNIMAS
95	HiPav-High Performance Pavement Wearing Course	MOHAMMAD ABDUL MANNAN	UNIMAS
96	HDPE PIPE DESIGN WITH HIGH VIBRATION RESISTANCES	DR. AIDIL AZLI BIN ALIAS	UNIMAS
97	A NOVEL METHOD IN MEASURING CUTTING EDGE TEMPERATURE OF END MILL TOOL IN HIGH SPEED MACHINING USING INFRARED RADIATION	ABDULLAH YASSIN	UNIMAS
98	Augmented Reality Visualization on Flood for Kampung Git, Kuching Sarawak	CHAI SOO SEE	UNIMAS
99	Effectiveness of Fabricated Biofiltration System for Domestic Greywater Treatment	NUR AMALINA SHAIRAH ABDUL SAMAT	UNIMAS
100	Markerless Badminton Motion Analysis System	DR. ALAN TING HUONG YONG	University College of Technology Sarawak
101	PHOTOCATALYTIC TREATMENT OF POME	ONG HUEI RUEY	University Of Automotive DRB HICOM

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102	SMART FRUIT HARVESTING BASKET	EMILIA BINTI ZAINAL ABIDIN	UPM
103	INNOVATIVE MILITARY PROTECTIVE GEARS FROM RICE STRAW CELLULOSE NANOCOMPOSITE	PROF. DR. FAUZIAH BINTI HAJI ABDUL AZIZ	UPNM
104	3 W for OKU	LT KOL PROF MADYA IR KHALID BIN ABD JALIL TUDM	UPNM
105	DESIGN AND FABRICATE OF SPRING CHARACTERISTIC CHECKING TOOL FOR SMALL ARM	MEJAR PROF. MADYA IR. DR. RAZALI BIN ABIDIN (BERSARA)	UPNM
106	A Concept Design of USV-RIB as a Hydrography Survey Boat	LT. CDR MOHD AZZERI BIN MD NAIEM RMN (RTD)	UPNM
107	FOLK TUNES OF MALAYSIA FOR VIOLIN BEGINNERS	MAYYA MUSAEVA, CLARE SUET CHING SAN, CHRISTINE AUGUSTINE	UPSI
108	Pembangunan dan Penilaian Pembelajaran Kendiri Perisian Multimedia Interaktif Muzik Aural	ASSOC. PROFESSOR DR. MOHD. NIZAM NASRIFAN	UPSI
109	ELECTRONIC PUSH-UP TEST INSTRUMENT (SEGAK)	GUNATHEVAN ELUMALAI	UPSI

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110	GLOBAL FARAID GAME (GFG) V1.0	PROF. MADYA DR. AZMAN AB RAHMAN	USIM
111	Development of Compact and High Gain Ultra-Wideband Antenna with Bistatic Configuration for Human Scanning Under-Debris	NOORSALIZA ABDULLAH	UTHM
112	ENTIRE BODY RISK ASSESSMENT (ENBORA) METHOD	DR MOHD NASRULL BIN ABDOL RAHMAN	UTHM
113	e-Khairat : Muslim Cemetery Locator and Management System	ASSOCIATE PROFESSOR DR. MUSTAFFA BIN ANJANG	UTHM
114	SMART ACTIVATED CARBON NANOFIBERS (ACNFS) FOR METHANE ADSORPTION	DR. NORHANIZA YUSOF	UTM
115	Water-dispersible nanostructured bromelain	DR ROSNANI BT HASHAM @ HISAM	UTM
116	OPTIMAL SITE WATER EXCHANGE (OSWE) – SOFTWARE FOR OPTIMAL PLANNING OF WATER EXCHANGE ACROSS INDUSTRIALS SITES	PROF. IR. DR. SHARIFAH RAFIDAH BINTI WAN ALWI	UTM