

INVENTION & INNOVATION AWARDS 2018

MALAYSIA TECHNOLOGY EXPO 2018

22-24 February 2018, PWTC Kuala Lumpur

GOLD MEDALIST

No	Title of Invention/ Innovation	Inventor/s	Organization
1	ENCAPSULATED POLYPROPYLENE (PP) COLUMN : SUSTAINABLE GROUND IMPROVEMENT METHOD	ASSOC. PROF. DR. MUZAMIR HASAN	UMP
2	Hypo-G (Hypoglycemic Natural Product)	PM. DR. ESSAM A. MAKKY	UMP
3	PURAIL (ESCALATOR HANDLE STERILIZER)	KIM SHIN HYUK	KOREA
4	MedHut: DIGITAL LIBRARY OF MEDICAL APPS	PROF. DR. MUHAMMAD IFTIKHAR HANIF	Prof. Dr. Muhammad Iftikhar Hanif
5	Super functional pressure garments for limbs	DING-MIN LI	TAIWAN
6	AMIR CPU 32-bit Softcore Microprocessor	ASSOC. PROF DR. MUHAMMAD NASIR BIN IBRAHIM	UTM

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7	DEVELOPMENT OF A 3D EEG FEATURE EXTRACTION FOR BRAIN BALANCED INDEX (BBI) USING ARTIFICIAL NEURAL NETWORK (ANN)	DR NORFAIZA BINTI FUAD	UTHM
8	SOLIDIFIED OF OMEGA-3 FISH OIL USING SUPERCRITICAL ANTI-SOLVENT PROCESS	PROF. DR. MD. ZAIDUL ISLAM SARKER	UIAM
9	VHySOL-Novel Sol-gel hybrid sorbent material for ultra trace level pesticides analysis	DR. KRISHNA VENI VELOO	UMK
10	i-WUDU' : AN AUTOMATED ABLUTION MACHINE	PROF. DR. TENGKU MOHAMMAD ARIFF BIN RAJA HUSSIN	UNISZA
11	Silica Extraction from Rice Hush Ash by Laser technology	PROF DR. NORIAH BINTI BIDIN	UTM

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12	MTACHS: MOBILE TACTICAL HCI SYSTEM	SYED NASIR ALSAGOFF BIN SYED ZAKARIA	UPNM
13	Novel formulation of Biodegradable Plastic using Keratin protein from waste chicken feathers	ASSOC. PROF. DR. ARUN GUPTA	UMP
14	A non-invasive Smart Portable Multi-Frequency Bioimpedance Analyzer (SmartMF) for Health Management Modules for Human body composition, Cholesterol Level Assessment, and biophysical activity	PROF IR. DR. FATIMAH BT IBRAHIM	UM
15	Shoulder Air Bag	ASSOC. PROF. DR. MOHD FAHMI BIN LUKMAN	UPNM
16	Development of a Portable Stress Biosensor for Future Military Application	PROF. DR AINSAH OMAR	UPNM

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17	New Green Co-Surfactant of low cost and High Performance for Enhanced Oil Recovery (EOR)	PROFESSOR DR. ABDURAHMAN HAMID NOUR	UMP
18	LEAKAGE CURRENT DETECTION DEVICE	NASRULLAH BIN ABDUL MALIK	JKR
19	INTELLIGENT INTERACTION TEST SUITE GENERATOR FOR LARGE IOT TESTING	PROF. DR. KAMAL ZUHAIRI BIN ZAMLI	UMP
20	Black G® : Standardised Product Rich in Methoxyflavone	DR. ZURAIDA AB RAHMAN	MARDI
21	BC Pill for Halal Adsorbent Tablets for Acute Diarrhea Treatment	MUHAMMAD MAHYIDDIN RAMLI	UNIMAP
22	MINING BULLDOZER – MVD-XLPD	VJEKOSLAV MAJETIC	Croatia

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23	Innovative Of Teaching And Learning In Technology Based Entrepreneurship	DR. MOHD HAFIZIE BIN SUHAIMI	UMK
24	I-DISPENSER: AN INTELLIGENT DISPENSING MACHINE	PROF. DR. NASIR BIN MOHAMAD	UNISZA
25	AcBioC	DR. PALSAN SANNASI ABDULLAH	UMK
26	An Integrated platform in Multi-Dimensional Evaluation to Virtualized and Benchmarking of Data Mining Real Time Applications	DR AOS ALAA ZAIDAN	UPSI
27	SPEEK NF-DMFC PORTABLE POWER GENERATOR	JUHANA BINTI JAAFAR	UTM

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28	SureSawit™ DIAGNOSTIC ASSAYS: APPLICATION OF GENOME TECHNOLOGY TO ENHANCE THE SUSTAINABILITY OF THE OIL PALM INDUSTRY	LESLIE LOW ENG TI	MPOB
29	Bioplastic from Oil Palm Trunk Waste	DR. MONTASIR OSMAN AHMED ALI	TATI University
30	Polistyrene Stand	AZAM BIN HAJI ALI	Giatmara Marang
31	VFORS: VEHICLE FORENSICS RECORDING SYSTEM	SYED NASIR ALSAGOFF BIN SYED ZAKARIA	UPNM
32	WOODEN SANDALS WITH CHANGEABLE UPPERS	SANJA LONCAREK	Croatia

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33	A Grounding Device with Spike Rods	Assoc. Prof. Ir. DR. Normiza binti Mohamad Nor	MMU
34	SSA-CoDE	FAIZ BIN MOHD TURAN	UMP
35	SafeCyber System for the Safety of Financial Transactions and Users' Credentials against Online Frauds and Cybercrimes	ABDULGHANI ALI AHMED	UMP
36	SEER-SteelRub	MARIYANA AIDA BT ABD KADIR	UTM
37	NATU-CELL ARMOUR: A MATERIAL FOR PERSONNEL PROTECTION	PROF. DR. FAUZIAH BINTI HAJI ABDUL AZIZ	UPNM

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38	High Accuracy Approach in Tint Measurement in Malaysia (MyRM Tint)	DR. MOHD NIZAM ABDULLAH	SIRIM
39	Smart Power Bank	PROF. IR. DR. SITI KARTOM KAMARUDIN	UKM
40	Efficient Load Coefficient Method for Structural Reliability Assessment of Ageing Offshore Platforms	MOHD KHAIRI ABU HUSAIN	UTM
41	Moisture Extraction Solution (MEXS)	ASSC. PROF. DR. MOHD FADZIL B ARSHAD	UiTM
42	VIRTUAL SPEAKING BUDDY 4.0	DR. RADZUWAN BIN AB RASHID	UNISZA
43	F.A PEDESTRIAN CONTROLLER	SAMSHUDIN BIN SAID	JKR

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44	BURST FINDER : AUTOMATED SOLAR RADIO BURST DETECTION FOR E-CALLISTO SPECTRA	DR. ROSLAN BIN UMAR	UNISZA
45	StreetSAFE: Smartphone Assisted Fault Examination	Goh Vik Tor	MMU
46	The Utilization of The Paddy Hay Waste (oryza sativa) as a Biomaterial Anti-Radiation Case	I GEDE ADHIE KINANDANA	Indonesia
47	A NOVEL CONTINUOUS RESIDUAL OIL EXTRACTOR: FIELD TRIAL ASSESSMENTS	DR. JIDON JANAUN	UMS
48	BioNIK-P –Gamma Irradiated Multifunctional Liquid Biofertilizer	PHUA CHOO KWAI HOE	Nuklear Malaysia
49	NOJ	MR. RAHMATOLLAH BABAEI	IRAN

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50	New Technique for Cardiac Oedema Identification	DR. DAYANG NURFATIMAH AWANG ISKANDAR	UNIMAS
51	CURE (CURCUMA XANTHORHIZZA EXTRACT FOR DIABETIC WOUND) OINMENT: TEMULAWAK (CURCUMA XANTHORRHZIA ROXB) OINMENT WITH NANOPARTICLE BASE AS NATURAL ALTERNATIVE MEDICINE TO ACCELERATE DIABETIC WOUND HEALING PROCESS	FATIKA MAULIDYAH YUWANTO	Indonesia
52	Multi-function Vest for Rescue and Education	YA-JANE CHAUNG	TAIWAN
53	ALTERNATIVE CONSTRUCTION TECHNOLOGY FOR RURAL ROADS ON SHALLOW PEAT	DR. MAH YAU SENG	UNIMAS
54	LEARNING OUTCOME ATTAINMENT MEASUREMENT	PROF. DR. SHAMSUL ANUAR MOKHTAR	UNIKL

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	SYSTEM		