

**PUBLIC SERVICE INNOVATION AWARDS 2019**  
**MALAYSIA TECHNOLOGY EXPO 2019**  
 21-23 February 2019, PWTC Kuala Lumpur

MALAYSIA ASSOCIATION OF CREATIVITY & INNOVATION (MACRI) SPECIAL AWARDS

NO.	INVENTOR/S	TITLE OF INVENTION INNOVATION	COUNTRY
1	CHIA-WEI HSU, UZU-KUEI HSU, CHANG-HSIAN TAI	NATURAL QUICKLY STARTING FOR A VERTICAL-AXIS WIND TURBINE IN WEAK WIND SPEED	TAIWAN
2	CHUN-CHIH HUANG, YEW-MIN TZENG, CHI-TAI YEH, TSANG-HSIEN ALEXANDER WU	USE OF A COMPOSITION CONTAINING 4-ACETYL-ANTROQUINONOL B FOR PREPARING PHARMACEUTICAL COMPOSITIONS FOR INHIBITING GROWTH OF CANCER CELLS	TAIWAN
3	TSAI PI-JEN	BOLI-ZYME – A NOVEL PRODUCT WITH HIGH SOD-LIKE FROM DJULIS (CHENOPODIUM FORMOSANUM)	TAIWAN
4	YAO-HSIEN HUANG, CHIANG-KU FAN, CHIEN-PING CHUNG, CHIEN-WEI HO, PEI-RU WANG, JIAN-LIN SU	A VIRTUAL HUMANOID CHATBOT TECHNOLOGY FOR INSURANCE SERVICES	TAIWAN
5	SEYED MOHAMMAD HASSANI	HERBAL SHAMPOO	IRAN
6	ALIREZA TAFTEH, VANIA RESHAD	EARTHQUAKE FORECASTING SYSTEM	IRAN
7	HELIA YEGANI, MELIKA KAZEMIRAD, HASTI MOHAMADZADE	OPTIMUM HYDROGEN PRODUCTION SYSTEM	IRAN
8	JENDERAL SOEDIRMAN UNIVERSITY	FLOODTECT: INNOVATION FLOOD DETECTION SYSTEM BASED O ARDUINO UNO WITH ULTRASONIC SENSOR HC-SR04 AND MODULE GSM SM 800L	INDONESIA
9	SHAFIYYATUL AMALIYYAH JUNIOR HIGH SCHOOL	MANG OSA PLASTIC (ENVIRONMENTAL FRIENDLY PLASTIC MADE FROM MANGO SEEDS AND NANOSILIC RICE HUSK)	INDONESIA
10	SMA NEGERI 1 SINGARAJA	DEAR DECCIDENT (DEVICE FOR EARLY DETECTION OF ACCIDENT IN THE BATHROOM)	INDONESIA

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11	SEBELAS MARET UNIVERSITY	CAMMVEASIS: NATURAL ANTISEPTIC HANDWASH INNOVATION AS AN POTENTIAL OPTIMIZATION OF NATURAL RESOURCES TO ACHIEVE A SUSTAINABLE DEVELOPMENT GOALS (SDGS 2030)	INDONESIA
12	SMAN 3 BANDUNG & SMP TARUNA BAKTI	SMART AND HEALTHY HOUSE USING IOT AND FAREDAY CAGE.	INDONESIA
13	PROF. DR. NAJIA AL-ZANBAGI	DETECTING MISSING BUS'S STUDENT (DEMISS)	SAUDI ARABIA
14	DR. YASSER BAHJATT & PROF.DR.IBRAHIM ALBIDEWI	REDESIGNING EDUCATIONAL SYSTEM USING IJAZA STRUCTURE	SAUDI ARABIA
15	DR NADA BRENGY	THE FOLDABLE TOILET CHAIR	SAUDI ARABIA
16	DR. JAWAHER MAHDI	SMART ELECTRONIC TRAFFIC LIGHTS	SAUDI ARABIA
17	JURO ZIVICNJAK AND BUNRAVKO ROGALE	TRIBOELECTRIC GENERATOR FOR STORING STATIC CHARGE FROM CLOTHING	CROATIA
18	GORDANA MATIJASIC	SUPER-H CAPSULE MULTICOMPARTMENTAL 3D PRINTED CAPSULE FOR CONTROLLED DRUG DELIVERY	CROATIA
19	CITUS D.O.O.	C@N MOTION SMART CUSTOMER/HUMAN ENGAGEMENT CONTROLLED USER INTERFACE & AUGMENTED REALITY	CROATIA
20	HILLERY A. SARMIENTO	HYBRID AUTOMATED ROBOAT RESPONSIBLE FOR INTELLIGENT SKIMMING AND SEGREGATING	PHILIPPINES
21	JAIMIE ANNE O. EVORA AND KEVIN NATHANIEL A. ALMAZAN AND JUSTINE ANNE O. EVOR)	EARTHQUAKE VICTIMS SEARCHING DEVICE FOR IMMEDIATE AND SAFE RESCUE OPERATIONS	PHILIPPINES
22	INSTITUTE OF BIOPOLYMERS AND CHEMICAL FIBRES, DYTRYCH SP. ZO.O., UNIVERSITY OF GDANSK	ECO FRESH II	POLAND