



OFFICIAL RESULTS Pi-ENVEX 2020 (CATEGORY: INTERNAL UniMAP)

NO.	NAME OF SCHOOL	TITLE OF THE INVENTION	RESULT
2	SCHOOL OF ELECTRICAL SYSTEM ENGINEERING, UNIMAP	GREEN ACOUSTIC SENSOR FOR PARTIAL DISCHARGE DETECTION ON POWER TRANSFORMER	GOLD
4	UNIVERSITI MALAYSIA PERLIS	DEVELOP PASSIVE SPECTRUM MONITORING SOLUTION FOR ELECTRONIC WARFARE	GOLD
5	SCHOOL OF ELECTRICAL SYSTEM ENGINEERING, UNIVERSITI MALAYSIA PERLIS.	GREEN ELECTRIC VEHICLE (EV) USING SUPERCAPACITOR AS MAIN ENERGY SOURCE V2.0	GOLD
6	FACULTY OF ENGINEERING TECHNOLOGY	DOUBLE ROTATION AXIAL GENERATOR FOR PICO-HYDRO POWER GENERATION	GOLD
9	UNIVERSITI MALAYSIA PERLIS	MULTIPLE MINI OPENINGS SYSTEM FOR WIND PRESSURE REDUCTION ON HIGH RISE STRUCTURES	GOLD
12	UNIVERSITY MALAYSIA PERLIS	A SMART INTERFACE SYSTEM FOR CERVICAL CANCER CLASSIFICATION BASED ON NUCLEUS ANALYSIS	GOLD
16	FACULTY OF ENGINEERING TECHNOLOGY, UNIMAP	DESIGN AND DEVELOPMENT OF INTEGRATED TRUSS STRUCTURED (ITS) BASED FURNITURE	GOLD
18	SCHOOL OF ELECTRICAL SYSTEMS ENGINEERING	SMART MIRROR	GOLD
24	UNIVERSITI MALAYSIA PERLIS	NOVEL FUSED DEPOSITION MODELLING (FDM) 3D PRINTED BIODEGRADABLE PLA STENT	GOLD
26	UNIVERSITI MALAYSIA PERLIS	SMARTWARE ELECTRODE BASED ON POLY (HYDROXYBUTYRATE-CO-HYDROXYVALERATE)/GRAPHENE BIOCOSMPOSITE	GOLD
28	SCHOOL OF MANUFACTURING ENGINEERING, UNIMAP	INVESTIGATION OF STATIC LOADING EFFECT IN TENSION FORCE DIRECTION ON POLYMERIC SCAFFOLDS STRUCTURE USING TAGUCHI METHOD	GOLD

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29	UNIVERSITI MALAYSI PERLIS	COMPACT BICYCLE LOADER	GOLD
33	SCHOOL OF MATERIALS ENGINEERING	EFFECT OF DIFFERENT TREATMENT WITH DIFFERENT CONCENTRATION ON CARBONIZED WOOD FILLER FILLED POLYETHYLENE OXIDE/CHITOSAN BLEND FILMS	GOLD
35	CENTER OF EXCELLENCE GEOPOLYMER & GREEN TECHNOLOGY (CEGEOGTECH), SCHOOL OF MATERIALS ENGINEERING.	PHASE STABILIZED LEAD-FREE SOLDER FOR AEROSPACE ELECTRONIC INTERCONNECT APPLICATION	GOLD
36	UNIVERSITI MALAYSIA PERLIS	EXPERIMENTAL STUDY ON INTERFACIAL BONDING STRENGTH OF FILAMENT 3D PRINTING RECYCLED CARBON FIBRE REINFORCED ABS COMPOSITES	GOLD
37	SCHOOL OF MATERIALS ENGINEERING, UNIVERSITI MALAYSIA PERLIS	SMART COAT FOR TILES	GOLD
41	UNIVERSITI MALAYSIA PERLIS (UNIMAP)	GREEN KENAF-PU FOAM FOR FIRE RESISTANCE AND SOUNDPROOF WALL PANEL	GOLD
43	SCHOOL OF ENVIRONMENTAL ENGINEERING, UNIMAP	RECYCLING MSWI BOTTOM ASH AND BIOMASS WASTE IN MORTAR	GOLD
7	FACULTY OF ENGINEERING TECHNOLOGY	MONITORING AND CONTROLLING WATER PUMPING SYSTEM USING IOT FOR AGRICULTURE PURPOSE	SILVER
8	FACULTY OF ENGINEERING TECHNOLOGY	VERTICAL AXIS WIND TURBINE (VAWT) USING MAGNETIC LEVITATION (MAGLEV)	SILVER
10	UNIVERSITI MALAYSIA PERLIS	ONE-WAY TRANSLATIONAL MAGNETIC MASS DAMPER FOR STRUCTURAL RESPONSE CONTROL AGAINST DYNAMIC LOADINGS	SILVER
11	PUSAT PENGAJIAN DIPLOMA	GSM PATIENT HEARTBEAT MONITORING SYSTEM	SILVER



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13	PPK MEKATRONIK, UNIVERSITI MALAYSIA PERLIS	SMART WHEELCHAIR	SILVER
14	UNIVERSITI MALAYSIA PERLIS	MONKEY REPELLENT DEVICE	SILVER
15	BIOPROCESS ENGINEERING	ROKAS MEMBRANE: FROM WASTE TO FILTER	SILVER
19	UNIVERSITI MALAYSIA PERLIS	FIRE ESCAPE WINDOW GRILLE KEYLESS LOCKING SYSTEM	SILVER
21	UNIVERSITI MALAYSIA PERLIS	ECO-PAPER FROM CHICKEN FEATHER	SILVER
22	SCHOOL OF BIOPROCESS & INSTITUTE OF NANO ELECTRONIC ENGINEERING UNIIMAP	SILICA HYBRIDIZED APTASENSOR FOR DETERMINING ARSENIC IN PADDY GRAINS	SILVER
23	SCHOOL OF MICROELECTRONICS ENGINEERING	IOT FOOD POISONING DETECTOR	SILVER
27	SCHOOL OF MANUFACTURING UNIMAP	MOTORIZED PRODUCT LIFTER	SILVER
30	UNIVERSITI MALAYSIA PERLIS	OBESE PATIENT LIFTER	SILVER
31	UNIVERSITI MALAYSIA PERLIS	LIFE CYCLE ANALYSIS (LCA) OF PLASTIC PACKAGING	SILVER
32	SCHOOL OF MATERIALS ENGINEERING	RHDPE HONEYCOMB BASED ON SAWDUST/RICE HUSK FOR HOME INTERIOR STRUCTURAL	SILVER
34	SCHOOL OF ENVIRONMENTAL ENGINEERING	USE OF SAND FILTRATION IN TREATING GREY WATER	SILVER
39	SCHOOL OF MATERIALS ENGINEERING, UNIVERSITI MALAYSIA PERLIS	INTERCONNECT SUBSTRATE SURFACE MODIFICATION TO IMPROVE WETTABILITY IN SOLDERING	SILVER



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44	UNIVERSITI MALAYSIA PERLIS (SCHOOL OF MANUFACTURING ENGINEERING)	A NOVEL OF INDUSTRY 4.0 READINESS SCORING SYSTEM FOR MALAYSIA SMES	SILVER
45	SCHOOL OF MANUFACTURING ENGINEERING	NEW VERSION OF PORTABLE RAW EDIBLE BIRD NEST CLEANING MACHINE	SILVER
46	SCHOOL OF MANUFACTURING	INTERNET OF THINGS JIT LEVEL MONITORING SYSTEM	SILVER
47	SCHOOL OF MECHATRONIC, UNIMAP	SMART DOOR LOCK WITH IOT FOR LECTURE HALL/CLASSROOM	SILVER
48	UNIVERSITI MALAYSIA PERLIS	STARCELLOPLASTIC: ALL- NATURAL PLASTIC PACKAGING AND STRAW FROM STARCH AND CELLULOSE	SILVER
17	PPK SISTEM ELEKTRIK	SMART TEMPERATURE & HUMIDITY ALERT SYSTEM AT AIRCRAFT COMPOSITE COMPONENTS STORAGE AREAAREA	BRONZE
20	SCHOOL OF ELECTRICAL SYSTEM ENGINEERING, UNIVERSITI MALAYSIA PERLIS (UNIMAP)	CLINICAL SAMPLES ARRIVAL ALERT SYSTEM	BRONZE
38	UNIVERSITI MALAYSIA PERLIS	GREEN ENERGY PELLETS	BRONZE