



Judging Time on 1 August 2020 (Sat)

Judging Panel: BC01

Judging Panel	Judging Time		Team No.	Title Of Entry
BC01	HKT 9:00 - 9:15	PHST 9:00 - 9:15	IBBC42	Detection by Phenotypic and Genotypic Characterization, And Drug Resistance Profile of Putative Enteropathogenic Salmonella spp. Isolated from Pampanga River, Philippines
BC01	HKT 9:15 - 9:30	PHST 9:15 - 9:30	IBBC03	Alternative Pharmaceutical Liquid Preservative from Tamarindus indica (Tamarind) Pulp Extracts
BC01	HKT 9:30 - 9:45	PHST 9:30 - 9:45	IBBC06	Quorum Quenching Activity Assessment on Ganoderma sp. Ethanolic Extract Against Escherichia coli ATC25922 through Microtiter Biofilm Formation Assay
BC01	HKT 9:45 - 10:00	HKT 9:45 - 10:00	HBBC04	Revolutionary Discovery of Hair
BC01	HKT 10:00 - 10:15	HKT 10:00 - 10:15	HBBC03	Feasibility of Using Microbes to Grow "Textile Material"
BC01	HKT 10:15 - 10:30	ICT 9:15 - 9:30	IBBC09	The Study of Life Cycle, Some Behaviors and Ecological Role of Spotted Tortoise Beetle (Aspidomorpha milliaris)
BC01	HKT 10:30 - 10:45	KST 11:30 - 11:45	IBBC18	Maintaining Healthy Gut Microbiome Through B. Paludis' Quorum Sensing on LAB (LAB)

BC01	HKT 10:45 - 11:00	SGT 10:45- 11:00	IBBC35	Biodegradation of Bisphenol A (BPA) Using Chlorella Fusca
BC01	HKT 11:00 - 11:15	WIB 10:00 - 10:15	IABC06	Morshia Tea(Moringa Oleifera Seeds, Hibiscus Sabdariffa, And Stevia Rebaudiana) As A Substitute for Insulin In An Effort To Overcome Diabetes
BC01	HKT 11:15 - 11:30	WIB 10:15 - 10:30	IABC07	Vastric (Vanname Shrimp for Electric) Control and Monitoring Shrimp Waste's Bioremediation as Bioelectricity Based On MFCs
BC01	HKT 11:30 - 11:45	WIB 10:30 - 10:45	IBBC38	Effectiveness Test of A Mixture Of Maja Fruit (Aegle marmelos) Extract And Corncorn (Zea mays) Extract As The Renewable Energy (Bioethanol) to Substitute Petroleum In Case Of Meet Daily Energy Needs In Society
BC01	HKT 13:15 - 13:30	WIB 12:15 - 12:30	IABC17	Invention of PUFFI-KIT As A Survival Kit To Prevent Sustenance Scarcity And Urgent Health Problems During Hiking Of Mountaineering
BC01	HKT 13:30 - 13:45	WIB 12:30 - 12:45	IBBC39	Extraction of Amylase Enzyme From Fruit Waste Used As A Catalyst To Enhance Carbohydrate-waste Based Bioethanol Production
BC01	HKT 13:45 - 14:00	TMT 10:45- 11:00	IBBC10	Ecologically Safe and Feasible Particle Boards
BC01	HKT 14:00 - 14:15	IRDT 10:30 - 10:45	IBBC34	The Role of Zinc Ferrite And Iron Oxide Nanoparticles To Remove Contaminants From Contaminated Water

BC01	HKT 14:15 - 14:30	TRT 9:15 - 9:30	IBBC26	Development of Nanoparticle Based Colorimetric Method for Lead Detection
BC01	HKT 14:30 - 14:45	TRT 9:30 - 9:45	IBBC04	Arsenic (As) Removal from Water With Magnetic Nanoparticles
BC01	HKT 14:45 - 15:00	TRT 9:45 - 10:00	IBBC16	A New Design for Increasing Effectiveness and Economy of Drugs by Using Original Smart Structures
BC01	HKT 15:00 - 15:15	CAT 9:00 - 9:15	IBBC20	The Green Gold The Future
BC01	HKT 15:15 - 15:30	TRT 10:15- 10:30	IABC09	New Approach to Food Packaging: Antimicrobial and Edible Materials
BC01	HKT 15:30 - 15:45	TRT 10:30- 10:45	IBBC32	The Preparation of Medical Textile Products With Properties That Tree Barks Have By Using Micro-encapsulation Method
BC01	HKT 15:45 - 16:00	CAT 9:45 - 10:00	IBBC23	Electricity From Peanuts
BC01	HKT 16:00 - 16:15	CEST 10:00 -10:15	IABC15	Development And Production Of Orthosis By Additive Technologies
BC01	HKT 16:15 - 16:30	IST 9:15 - 9:30	IABC10	An R&D Study On Using A Nutrient Treatment Biofilter to Combat Oceanic and Freshwater Deadzones Which Harnesses The Intrinsic Potential Of Halophyte Species

Judging Panel: BC02

Judging Panel	Judging Time		Team No.	Title Of Entry
BC02	HKT 9:00 - 9:15	PHST 9:00 - 9:15	IBBC07	Effects of Gibberellic Acid-3 and 6-Benzylaminopurine In Increasing The Sugar Content in Stevia Rebaudiana Through An In-vitro Tissue Culture Technique
BC02	HKT 9:15 - 9:30	PHST 9:15 - 9:30	IBBC11	Characterization of (Solanum tuberosum) Potato – Red Cabbage (Brassica oleracea var. capitata f. rubra) Composite Film for Intelligent Packaging Applications
BC02	HKT 9:30 - 9:45	HKT 9:30 - 9:45	HBBC01	Study On The Anti-reflux Ability Of Chinese Yam Using Novel Gastro-oesophageal Model
BC02	HKT 9:45 - 10:00	HKT 9:45 - 10:00	HBBC02	Super Glue for Tree Defect
BC02	HKT 10:00 - 10:15	WIB 9:00 - 9:15	IABC01	Healthy And Biodegradable Sanitary Pad Using Super Absorbent Polymer From Orange Peel, Patchouli Twig, And Coconut Husk For Sustainable Green Innovation
BC02	HKT 10:15 - 10:30	WIB 9:15 - 9:30	IBBC05	Effectiveness of the Combination of Water Hyacinth Cellulose Acetate Membrane, Corncob-based Coagulant and Activated Carbon in Decreasing Hardness and Mercury Ion (Hg ²⁺) of Mandor River Water Compared to Alum
BC02	HKT 10:30 - 10:45	CST 10:30 - 10:45	IBBC33	Antioxidant, Antimelanogenic and Antibacterial Activities of 4-Caffeoylquinic

BC02	HKT 10:45 - 11:00	SGT 10:45 - 11:00	IBBC27	Synthesis of Magnetic Carbonised Banana Peel as a Versatile and Reusable Adsorbent for Water Purification
BC02	HKT 11:00 - 11:15	WIB 10:00 - 10:15	IBBC17	Innovation of an Alternative Natural Clothing Bleach From Extract of Lemon (<i>Citrus limon</i>) and Lime (<i>Citrus aurantifolia</i>) Peel Wastes
BC02	HKT 11:15 - 11:30	KST 12:15 - 12:30	IBBC21	Development of Artificial Epidermis Using Collagen Film and Keratinocyte Cell line for Personalized Allergy Tester
BC02	HKT 11:30 - 11:45	KST 12:30 - 12:45	IBBC22	A Study On the Bionic Value of Japanese Sea Cucumber (<i>Apostichopus Japonicus</i>) By Biostructure Analysis
BC02	HKT 13:15 - 13:30	WIB 12:15 - 12:30	IABC19	Utilization of Taro (<i>Colocasia esculenta</i>) Starch and D-Limonene from Extraction of Tangerine Orange (<i>Citrus reticulata</i>) for The Production of Biodegradable Plastic
BC02	HKT 13:30 - 13:45	WIB 12:30 - 12:45	IBBC40	RILOVE (<i>Moringa oleifera</i> and <i>Aloe vera</i>) as Antioxidant Candy
BC02	HKT 13:45 - 14:00	WIB 12:45 - 13:00	IBBC41	Potential Scrubbing Mangrove Seeds <i>Xylocarpus Moluccensis</i> on Wooden Vessels That Lean as a Method of Reducing Population Density Teredo Shipworm
BC02	HKT 14:00 - 14:15	TRT 9:00 - 9:15	IBBC25	Production of Orodispersible Nanofiber Pharmaceuticals for Pediatric and Newborn Patients With Electrospinning Method
BC02	HKT 14:15 - 14:30	TRT 9:15 - 9:30	IABC02	Artificial Kidney

BC02	HKT 14:30 - 14:45	TRT 9:30 - 9:45	IBBC28	Biotechnological Potential of Anatolian Honey Bee (<i>Apis Mellifera Anatoliaca</i>) Venom in Cancer Research
BC02	HKT 14:45 - 15:00	TRT 9:45 - 10:00	IABC08	Three Dimensional (3D) Printed Microfluidic Pump (MFP) for Medical Field
BC02	HKT 15:00 - 15:15	TRT 10:00 - 10:15	IBBC30	Cleaning Oil Pollution in Oceans and Seas with the Smart Eye Method
BC02	HKT 15:15 - 15:30	SAST 10:15 - 10:30	IBBC31	An Investigation On The Effects Of Propolis And Curcuma Longa On Cancer, Observing Their Impacts on Vascular Formation and Chicken Embryos Growth
BC02	HKT 15:30 - 15:45	CAT 9:30- 9:45	IBBC29	Chromosome Organisation During Cell Division and Effects on Nuclear Shape In Interphase
BC02	HKT 15:45 - 16:00	SAST 9:45 - 10:00	IABC04	Puffer Jacket: An Alternative for Anxiety Relief
BC02	HKT 16:00 - 16:15	SAST 10:00 - 10:15	IABC16	Polymer Bioplastic

Judging Panel: PE01

Judging Panel	Judging Time	Judging Time	Team No.	Title Of Entry
PE01	HKT 9:00 -9:15	CDT 20:00 - 20:15 31 July	IBPE04	Biol: A Social, Economic and Environmental Alternative for Nuevo Leon
PE01	HKT 9:15 - 9:30	NCT 12:15 - 12:30	IAPE03	Environment Scanning Robot
PE01	HKT 9:30 - 9:45	CST 9:30 - 9:45	IAPE50	Inter-turn Short-circuits Fault Detector For Motor Rotor Winding
PE01	HKT 9:45 – 10:00	CST 9:45 – 10:00	IAPE43	Graphene & Sludge Water Purification System
PE01	HKT 10:00 - 10:15	ICT 9:00 - 9:15	IBPE05	Development of Composite Materials from Natural Rubber with Styrene-Butadiene Rubber and Coconut Husk to Apply as Neutron Particles and Gamma Rays Shields.
PE01	HKT 10:15 - 10:30	WIB 9:15 - 9:30	IAPE53	Smart Protector: An Innovative Face Shield With Ultrasonic Sensor for Elementary and Junior Student to Minimize COVID-19 Transmission
PE01	HKT 10:30 - 10:45	WIB 9:30 - 9:45	IAPE23	The Effects of Anti Corrosion Material Coating on Carbon Steel based on Natural Inhibitors from Bentonite Clay with Matrix Epoxy Resin in Corrosive Mediums
PE01	HKT 10:45 - 11:00	ICT 9:45 - 10:00	IAPE47	Fresh Water Condenser from Seawater Using Direct Solar Energy
PE01	HKT 11:00 - 11:15	HKT 11:00 - 11:15	HAPE01	A.I. CAME
PE01	HKT 11:15 - 11:30	TMT 8:15 - 8:30	IAPE13	Produce Clean Energy From Plants and Use in Our Life

PE01	HKT 11:30 - 11:45	TMT 8:30 - 8:45	IAPE01	Use of Condensed Molasses Solubles As A Concrete Admixture
PE01	HKT 13:15 - 13:30	GST 9:15 - 9:30	IAPE20	Athlete Sodium Tracker - AST
PE01	HKT 13:30 - 13:45	GST 9:30 - 9:45	IAPE31	Intelligent Accident Detector
PE01	HKT 13:45 - 14:00	EEST 8:45 - 9:00	IAPE09	AI Fresh Station
PE01	HKT 14:00 - 14:15	EEST 9:00 - 9:15	IAPE10	RoTaR
PE01	HKT 14:15 - 14:30	AST 9:15 - 9:30	IAPE26	Application of Thermoelectric Generators in Harvesting Solar Energy Using “Sandwich” Method to Achieve Higher Overall Efficiency
PE01	HKT 14:30 - 14:45	AST 9:30 - 9:45	IAPE24	Smart School Bus
PE01	HKT 14:45 - 15:00	TRT 9:45 - 10:00	IAPE38	“Together Stronger” Energy Support System
PE01	HKT 15:00 - 15:15	TRT 10:00 - 10:15	IAPE37	Four Season Optimum Energy Generator Multifunctional Photovoltaic Panel
PE01	HKT 15:15 - 15:30	TRT 10:15 - 10:30	IBPE12	An Experimental Battery That Can Be Charged by Low-frequency Energy Sources
PE01	HKT 15:30 - 15:45	TRT 10:30 - 10:45	IAPE42	Obtaining Electricity Using Cooling Water In Vehicles
PE01	HKT 15:45 - 16:00	SAST 9:45 - 10:00	IAPE46	Simply Secure
PE01	HKT 16:00 - 16:15	IST 9:00 - 9:15	IAPE54	The Microplastic Filter - A Small Solution to A Global Problem

Judging Panel: PE02

Judging Panel	Judging Time		Team No.	Title Of Entry
PE02	HKT 9:00 - 9:15	CDT 20:00 - 20:15 31 July	IAPE07	SEDEG (Educational Software of Geography)
PE02	HKT 9:15 - 9:30	PHST 9:15 - 9:30	IAPE17	Hibla: An Alternative Sound Absorption Material
PE02	HKT 9:30 - 9:45	SGT 9:30 - 9:45	IAPE55	Conversion of Rainwater to Electricity in Singapore's High-Rise Buildings
PE01	HKT 9:45 - 10:00	CST 9:45 - 10:00	IAPE29	Helper Farmer
PE02	HKT 10:00 - 10:15	ICT 9:00 - 9:15	IAPE22	M&M Child Saver
PE02	HKT 10:15 - 10:30	WIB 9:15 - 9:30	IAPE16	Auto Thanks Mini Robot for a Better Environment (ATM)
PE02	HKT 10:30 - 10:45	WIB 9:30 - 9:45	IAPE52	Educational COVID-19 Snake and Ladder Digital Game
PE02	HKT 10:45 - 11:00	HKT 10:45 - 11:00	HAPE02	E-care
PE02	HKT 11:00 - 11:15	HKT 11:00 - 11:15	HAPE03	Easy Go
PE02	HKT 11:15 - 11:30	TMT 8:15 - 8:30	IAPE14	Produce Electricity with Wind Pressure Made by Piezoelectric Materials
PE02	HKT 11:30 - 11:45	TMT 8:30 - 8:45	IBPE06	Artificial Irrigation and It's Automatical Method

PE02	HKT 13:15 - 13:30	TMT 10:15 - 10:30	IAPE04	The New Earthquake-Resistant Building Model In Tetrahedral Diamond Structure
PE02	HKT 13:30 - 13:45	AST 8:30 - 8:45	IBPE08	Using Hydrogels for Agriculture and Flood Defense
PE02	HKT 13:45 - 14:00	TRT 8:45 - 9:00	IAPE44	ProTech Wallet
PE02	HKT 14:00 - 14:15	EEST 9:00 - 9:15	IAPE11	"METLA" - UAV (unmanned aerial vehicles) Universal Training Complex
PE02	HKT 14:15 - 14:30	AST 9:15 - 9:30	IAPE34	Portable Fridge (a helpful solution to cool foods and drinks in off-grid areas using a friendly portable fridge)
PE02	HKT 14:30 - 14:45	AST 9:30 - 9:45	IAPE39	Medicine Tracker Device for Improving Medication Adherence
PE02	HKT 14:45 - 15:00	MSK 9:45 - 10:00	IBPE10	Multifractal Analyses of Reflective Twistors
PE02	HKT 15:00 - 15:15	SAST 9:00 - 9:15	IAPE12	Repair of Fatigue Cracking in Wood
PE02	HKT 15:15 - 15:30	SAST 9:15 - 9:30	IAPE36	Voice Control Wheelchair
PE02	HKT 15:30 - 15:45	SAST 9:30 - 9:45	IAPE45	LED Car Guard Glove
PE02	HKT 15:45 - 16:00	SAST 9:45 - 10:00	IAPE08	The Ultra-Drying Tunnel
PE02	HKT 16:00 - 16:15	IST 9:00 - 9:15	IAPE19	Reinventing the Wheel: Development of a Novel Magnetic Motion Device for Omnidirectional Movement