



KOREAN INTELLECTUAL PROPERTY OFFICE




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**APPROPRIATE TECHNOLOGY COMPETITION – LIST OF NATIONAL COMPETITIONS**


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Year	Country	1 <sup>st</sup> Prize Winner and Invention
2011	Ethiopia	Winner: Mr. Girma Gebrewold GEMA Invention: Machine decorticating Enset (Ethiopian banana) by foot treadle
	Malaysia	Winner: Mr. Muhammad Mukhlis Anas's team Invention: Copepod production as an alternative to environment problems
2012	The Philippines	Winner: Dr. Evelyn B. Taboada Invention: Briquette production technology utilizing mango peel.
	Ghana	Winner: Mr. William Owusu Oduro Invention: Building panel production utilizing plastic waste and sawdust.
2013	Viet Nam	Winner: Mr. Pham Hoang Thang Invention: Rice harvesting and beating machine
	Zambia	Winner: Ms. Munsanda Ngulube Invention: Phosphate fertilizer from phosphate rock
2014	Viet Nam	Winner: Mr. Long Uy Bao Nguyen Invention: Special bed for patients
	Mongolia	Winner: Mr. D. Bayraa and Ms. U. Jargalmaa Invention: Power distribution smart device
2015	Mongolia	Winner: Mrs. S Tugs Invention: Surgical suture made from ox sinew
	The Dominican Republic	Winner: Mr. Kelvin A. Guerrero Invention: Method and process of breeding of the Carpenter Bee of La Hispaniola as pollinator agent for crops
2016	Thailand	Winner: Mr. Apiluck Eiad-Ua and Mr. Napat Kaewtrakulchai Invention: Natural Nanofiber Oil Absorbent Pad
	Mongolia	Winner: Mr. Zansait Zoljargal Invention: Window Air-Filtering All-In-One Screen
2017	Panama	Winner: Dr. Edwin Collado, Mr. Pablo Prado, Mr. Aníbal Fossatti Invention: Portable coffee harvester machine with rollers and fingers
	Costa Rica	Winner: Dr. Andrés Picado Cruz, Mr. Wilber Mora Quesada, Ms. Rita Rojas Arias Invention: Mechanically Stabilized Spoon for Parkinson Patients

	El Salvador	Winner: Ms. Veronica Garcia Barrera Invention: Biofilter made with coconut and banana peels/shells, and parts of the banana plant
	The Dominican Republic	Winner: Mr. Robert Encarnacion Invention: Seaweed (“sargasso”) collector for vessel
2018	The Dominican Republic	Winner: Mr. Carlos Emmanuel Rodríguez Jiménez; Mr. Gorki Van Troi Vargas Rodríguez; and Mr. Mario José Rosario Cruz Invention: Seed planting machine in tray for germination
	Viet Nam	Winner: Mr. Tran Kim Qui, Mr. Tran Le Quan Invention: Production process of micro-organic fertilizer from domestic solid waste
2019	The Dominican Republic	Winner: Emmanuel de Jesús Henriquez Marte Invention: Marine Garbage Dump
	The Philippines	Winner: Junrex Warner I. Cinco Invention: AiderBox: Micro Room Transforming Relief Storage Box with Solar-Powered Light Bulb
2022	The Dominican Republic	Winner: Nicole Guzmán, José Miguel Campaña and Jhasmel Cabrera Invention: Portable device for the treatment of expanded polystyrene
2023	Trinidad and Tobago	Winner: Amanda Ramdass Invention: Microbes in Remediation and Industry-Bioremediation Techniques and Commercial Enzymes
2024	Trinidad and Tobago	Winner: Miguel Andrews Invention: Bioelectrochemical Water Treatment Solution