



Result of Asia Pacific Conference of Young Scientists 2022

The 11th Asia Pacific Conference of Young Scientists was held online, hosted by Taiwan, Russia and Indonesia on December, 2nd – 4th 2022. There were 50 projects from 11 participant countries joint with this annual conference. Here are the recap of awardings given to the projects:

Category: Life Science

Country	Title	Student 1	Student 2	Awards
Slovenia	Influence of Hydrolytic Enzymes on Antioxidant Efficiency of Olive Leaf Extracts	Julija Skrt	Jaša Krevh	Gold
Turkey	Does Melatonin Kill Brain Cancer Cells?	Yiğit Kızlier	-	Silver
Indonesia	The Effect of Salt Stress on the Seed Activation of <i>Leucaena leucocephala</i>	Eugenia Aileen Putrijaya	-	Silver
Guam	Estimating the LC50 of 1-Naphthyl-N-methylcarbamate in <i>Apis mellifera</i> Using Different Percentages of Concentration	Justine Jin Xu	-	Bronze
Taiwan	A Study on the Habits and Territorial Behavior of Formosan Blue Magpie	Hsin-I Wang	Jui-Ning Wang	Bronze
Indonesia	The Effect of Giving Breadnut Peel Extract (<i>Artocarpus camansi</i>) Against Mesenchymal Cell	Yohanes Michael Mindo	-	Bronze

Category: Mathematics

Country	Title	Student 1	Student 2	Awards
Thailand	Explosive Behavior Detection of PM 2.5 During Wildfire Period Based on BSADF Test	Kanisorn Sawangsawai	-	Silver
Indonesia	A Markov Chain Approach in Predicting Stock Market Behaviour	Audrey Kana Kartono	-	Special Award

Category: Computer Sciences

Country	Title	Student 1	Student 2	Awards
Thailand	Time Series Clustering Using Frequency Distributions of First-Order Differences	Phudit Thanakulkairid	Tanupat Trakulthongchai	Gold
Nepal	Visualizing School Level Physics using Computer Simulation	Kritan Bhandari	Abiral Rijal	Gold
Macao	Development of a Low-Cost Portable Electronic Nose for the Detection of Colorectal Cancer By Using Convolutional Neural Networks	Yue Lon Wang	Jia Hao Liang	Silver
Taiwan	Multi-Robot Space Exploration System Controlled by Auction Mechanism	Ting-Han	-	Silver

Slovenia	Airnominal	Filip Stamcar	Jakob Kralj	Bronze
Indonesia	A Pursuit to Detecting Enthusiasm with SERP	Jason Raphael Susanto	-	Bronze
Russia	Simul - Digital Ecosystem	Vadim Bykov	Danil Zelenskii	Bronze
Russia	Automation of Traffic Planning Based on Neural Networks and Computer Vision	Mikhail Rovenskiy	Tengir Sangadzhiev	Special Award
Indonesia	FazScan: Cross-Platform Software Application as Scanner of Information and Security of Websites	M.Fazri Nizar	-	Special Award

Category: Environmental Science

Country	Title	Student 1	Student 2	Awards
Taiwan	Universal Bladeless Aerogenerator	Yao Jung KuoNelson	Hsi-Yang Hung Alvin	Gold
Taiwan	Different Volumes of Acetic ACid Affect the Oxygen Production of Spinach Leaves During Photosynthesis	Yun-Hsi Hou	Jui-Ning Wang	Silver
Macao	Facile Synthesis of HEA-250Ni as Active Electrocatalyst for Water Electrolysis	Keng Seng Lai	Man Hei	Silver
Turkey	Bringing Into Use of Waste Frying Oils By Using Photocatalytic Method: TPC Purifying Container Design	Boran Duman	-	Silver
Russia	Research of the Rubber Blend Properties Based on Butadiene-Nitrile and Diene Rubber	Yan Mikhailov	Aysen Moknachevskiy	Bronze
Malaysia	Eco-Flora	Vaithesvary Chandran	Nadya Ilya Binti Ahmad Farizul	Bronze
Malaysia	Nature Monitoring Device (NMD)	Muhammad Rifqi Iman Bin Mohd Nizam	Nur Harith Fikry Bin Mohd Hesabery	Bronze
Nepal	Waste Water Treatment by Unique Corn Cob	Gokul Shrestha	-	Bronze

Category: Physics

Country	Title	Student 1	Student 2	Awards
Taiwan	The Mechanisms of Interaction of Vortices, Turbulence and Collision between The Bluff Body and Flow Field	Kai-Chi Chang	Yi-Hsiang Chang	Gold
Macao	High Capacity, High Stability and Low Corrosive Al-treated Ionic Liquid Electrolyte with Al-deposited Carbon Cloth Anode used in Aluminium-ion Battery	Pok Hei Long	Chi Kin Pung	Silver

Guam	Smart Window Display Through Hydrophilicity-Hydrophobicity Control of Thermochromic Cellulose	Edward Ju	-	Silver
Macao	Magnetically Driven Bio-Inspired Swarm Microrobot	Ziheng Xu	-	Bronze
Macao	New Organic Electrode Spherical and Chrysanthemum Shaped Materials for Lithium-Ion Polymer Battery	Ka Chon Ngan	Kai Meng Ho	Bronze
Russia	CanSat Spin Stabilization Mechanism Development	Artem Mardim	-	Bronze
Mexico	Portable Retractable Bridge: PPR	Lilia Fayad Zayas	-	Special Award
Taiwan	Exploring the Interaction Between Isopropyl Alcohol Mixture and Oil	Yu-Lin Tu	Tz-Ching Tseng	Special Award
Indonesia	Coconut Husk as a Thermal Insulator	Natasya Angelina Pali	-	Special Award
Russia	Piezoelectric Biogenerator from Fish Scales	Semyon Platonov	-	Special Award
Russia	Synthesis of Decagonal Quasicrystals	Elizaveta Ovsyannikova	Anna Tyuleneva	Special Award

Category: Best Poster Awardings

Country	Title	Award
Guam	Smart window display through hydrophilicity-hydrophobicity control of thermochromic cellulose	First prize of poster
Mexico	Portable Retractable Bridge: PPR	Second prize of poster
Russia	Simul - Digital Ecosystem	Second prize of poster
Indonesia	The Effect of Salt Stress on the Seed Activation of <i>Leucaena leucocephala</i>	Third prize of poster
Malaysia	Nature Monitoring Device (NMD)	Third prize of poster
Guam	Decomposition of Coke Ingridients Using Bread	Third prize of poster
