

### MATHEMATICS

No	Category	Title of the Project	Name of Student 1	Name of Student 2	Country	Result
1	Mathematics	Wireworld	Ariel Joshua Lau	Huang Tianwei	Singapore	Gold
2	Mathematics	Ethnomathematics Study of Tie Weaving Motifs of Ngadha Ethnic, Ngada Regency - East Nusa Tenggara	Daniela Michaelis Lengi Redo		Indonesia	Silver
3	Mathematics	Wireworld	Ariel Joshua Lau	Huang Tianwei	Singapore	1st Best Poster
4	Mathematics	Ethnomathematics Study of Tie Weaving Motifs of Ngadha Ethnic, Ngada Regency - East Nusa Tenggara	Daniela Michaelis Lengi Redo		Indonesia	2nd Best Poster

### COMPUTER SCIENCE

No	Category	Title of the Project	Name of Student 1	Name of Student 2	Country	Result
1	Computer Science	A Statistical Approach to Reducing the Time Complexity of Crowd Simulations - Crowd Flux Theory	Taiyo Tagami		Guam	Gold
2	Computer Science	Dristi AI: Image Analysis for Detection of Hazardous Microbes in Human Bodily Fluids	Sarad Gaihre	Suman Dangal	Nepal	Silver
3	Computer Science	ANTIMOS: Audiovisual Anti-Theft Monitoring System Integrated with Smartphone Using ESP32-Cam for Affordable Home Security	Filda Nuha Filyaar Afkor		Indonesia	Bronze

No	Category	Title of the Project	Name of Student 1	Name of Student 2	Country	Result
4	Computer Science	LDTec	Rico Ricardo Roger	Muhd Hazrul Bin Ruzan	Malaysia	Special award for environmental application
5	Computer Science	Emergency Patient monitoring and medical suggestion system	Farhin Husain		Nepal	Special award for medical application
6	Computer Science	A Statistical Approach to Reducing the Time Complexity of Crowd Simulations - Crowd Flux Theory	Taiyo Tagami		Guam	1st Best Poster
7	Computer Science	ANTIMOS: Audiovisual Anti-Theft Monitoring System Integrated with Smartphone Using ESP32-Cam for Affordable Home Security	Filda Nuha Filyaar Afkor		Indonesia	2nd Best Poster
8	Computer Science	LDTec	Rico Ricardo Roger	Muhd Hazrul Bin Ruzan	Malaysia	3rd Best Poster

### PHYSICS

No	Category	Title of the Project	Name of Student 1	Name of Student 2	Country	Result
1	Physics	FLEXILIFT: Biomechanics in Controlling Angular Motion to Avoid Physical Injuries in Weightlifting	Muhammad Alif Hakimi Bin Mohd Rafi	Muhammad Aqil Muhaimin Bin Mohd Azrirudin	Malaysia	Gold
2	Physics	Spinning Tops and the Effect of Its Shape	Anar Munkhtulga	Telmuun Altanzul	Mongolia	Gold
3	Physics	HYDROSOLIS	Nur Amirah Qistina Bt Nur Azam	Kysan Faizal Neo	Malaysia	Silver

No	Category	Title of the Project	Name of Student 1	Name of Student 2	Country	Result
4	Physics	Characterisation of Ion Sensor by Redox Reaction Through Cyclic Voltametric Recognition	Adziim Muhaimin Bin Rosdi	Fatin Humaira Binti Zarouk	Malaysia	Special Award in Physics
5	Physics	Electric Go-Kart with Anticollision System	Bikash Kumar Yadav	Sakshyam Upadhyay	Nepal	Special Award in Physics
6	Physics	FLEXILIFT: Biomechanics in Controlling Angular Motion to Avoid Physical Injuries in Weightlifting	Muhammad Alif Hakimi Bin Mohd Rafi	Muhammad Aqil Muhaimin Bin Mohd Azrirudin	Malaysia	1st Best Poster
7	Physics	HYDROSOLIS	Nur Amirah Qistina Binti Nur Azam	Kysan Faizal Neo	Malaysia	2nd Best Poster
8	Physics	Spinning Tops and the Effect of Its Shape	Allia Nur Shafira	Vika Linggar Nafisatu Rohmah	Mongolia	3rd Best Poster

#### LIFE SCIENCES

No	Category	Title of the Project	Name of Student 1	Name of Student 2	Country	Result
1	Life Sciences	The Study of the Potential of Biodiversity of Medical Plants as an Inhibitor Agent of PARK7 for Parkinson Disease Treatment	Jacklyn Hermione		Indonesia	Gold
2	Life Sciences	SUPER TOFU: An Affordable Omega-3 Supplements from Patin (Pangasius sp.) Waste	Felita Vilonia Christian	Kezia Rafael Gunawan	Indonesia	Silver
3	Life Sciences	Designed sensors of viral activity based on re-engineered innate immunity components	Maša Bratkovič	Zoja Jesih	Slovenia	Silver

No	Category	Title of the Project	Name of Student 1	Name of Student 2	Country	Result
4	Life Sciences	Towards Natural Cancer Therapies: Investigating the Phytochemical Composition and Cytotoxicity of <i>Scoparia dulcis</i> L.	Luna Kumari Bhattarai	Krishika Mahat	Nepal	Silver
5	Life Sciences	The Selection of a Natural Disinfectant Extracted from Local Flora on Guam by Evaluating the Antibacterial Properties of <i>Antigonon leptopus</i> , <i>Ipomoea pes-caprae</i> , <i>Morinda citrifolia</i> , and <i>Scaevola taccada</i>	Vinicia Kim		Guam	Bronze
6	Life Sciences	Prohibiting Amyloid Beta Plaques in Alzheimer's Patients by Using Phenolic Extracted from <i>Vigna angularis</i> (L.) Seeds and Sprouts	Thanakorn Chuanjaroenthanakul	Sirapob Musikawat	Thailand	Bronze
7	Life Sciences	The Effect of Fume Priming Application in the Harvest System on Roughage Performance in Barley and Wheatgrass Production	Ipek Sule YILDIRIM	Deniz BAVLI	Turkey	Bronze
8	Life Sciences	Effect of monocarboxylic acids on properties of metal-organic frameworks	Livija Pirc	Olimpia Kupljen	Slovenia	Bronze
9	Life Sciences	Liquid Anthocyanin as An Alternative Ph Indicator in Low-Resource Setting Schools in Malaysia	Adris Hakimi Bin Mohd Pakrudin	Muhammad Al Fitri Bin Mohd Rawi	Malaysia	Special Award in Life Sciences
10	Life Sciences	The Selection of a Natural Disinfectant Extracted from Local Flora on Guam by Evaluating the Antibacterial Properties of <i>Antigonon leptopus</i> , <i>Ipomoea pes-</i>	Vinicia Kim		Guam	1st Best Poster

No	Category	Title of the Project	Name of Student 1	Name of Student 2	Country	Result
		caprae, Morinda citrifolia, and Scaevola taccada				
11	Life Sciences	Prohibiting Amyloid Beta Plaques in Alzheimer's Patients by Using Phenolic Extracted from Vigna angularis (L.) Seeds and Sprouts	Thanakorn Chuanjaroenthanakul	Sirapob Musikawat	Thailand	2nd Best Poster
12	Life Sciences	The Study of the Potential of Biodiversity of Medical Plants as an Inhibitor Agent of PARK7 for Parkinson Disease Treatment	Jacklyn Hermione		Indonesia	3rd Best Poster

**ENVIRONMENTAL SCIENCE**

No	Category	Title of the Project	Name of Student 1	Name of Student 2	Country	Result
1	Environmental Science	Potential Use of Garbage Enzyme Fermented with Vetiver (Chrysopogon zizanioides) Root Extract as Lead Ion (Pb 2+) Reducing Agent	Rafael Patrick Suhandinata		Indonesia	Gold
2	Environmental Science	Development of natural rubber wall with X-ray protection properties using a barium sulfate filler for application in radiation rooms	Gingchut Buranapas	Naphat Buapa	Thailand	Gold
3	Environmental Science	The Application of Micro Fuel Cell (MFC) to Produce Voltage from Potential Food Waste Sources Using Bacteria	Hoyoung Kang		Guam	Silver

No	Category	Title of the Project	Name of Student 1	Name of Student 2	Country	Result
4	Environmental Science	ReMask-cycle: Handicraft Cover Paper made from Medical Mask Waste	Diajeng Amiranti Balqis		Indonesia	Silver
5	Environmental Science	Ecobright Solar Lamps	Shymelysney Mooney	Margarcesybell Safrese	Malaysia	Silver
6	Environmental Science	Use of Waste Substrates from Pleurotus ostreatus Mushroom Cultivation as Adsorbent in the Removal of Eriochrome Black T Dye from Wastewater	Elif Nur VANLI	Beytullah YILMAZ	Turkey	Silver
7	Environmental Science	Watermelon Rind Jam Kit (RinDelight)	Nur Umairah Syahmina binti Mohd Rosli	Sofea Maisarah Binti Muhamad Fazel	Malaysia	Bronze
8	Environmental Science	Water Quality investigation in Huay Had Sai Waterfall and Nong Nam Khiao Reservoir, Choburi	Nutpawee Artaue	Thanakron Preesong	Thailand	Bronze
9	Environmental Science	Oil Collecting Submarine	Ayhem BOUKER		Tunisia	Bronze
10	Environmental Science	Renovation of Olive Cultivation Sector Using Artificial Intelligence	Ala Bouhaouel		Tunisia	Bronze
11	Environmental Science	HALT SALT	Nur Syafiiqah Binti Ismail	Hanis Sofea Binti Eron Afrizal	MALAYSIA	Bronze
12	Environmental Science	My Sound	Meriem HSSINI		Tunisia	Bronze
13	Environmental Science	Oil Collecting Submarine	Ayhem BOUKER		Tunisia	1st Best Poster
14	Environmental Science	Development of natural rubber wall with X-ray protection properties using a barium sulfate filler for application in radiation rooms	Gingchut Buranapas	Naphat Buapa	Thailand	2nd Best Poster

THE RESULTS OF  
**APCYS 2023**



No	Category	Title of the Project	Name of Student 1	Name of Student 2	Country	Result
15	Environmental Science	HALT SALT	Nur Syafiiqah Binti Ismail	Hanis Sofea Binti Eron Afrizal	Malaysia	3rd Best Poster