

Finalists of KAGAYAKI AWARD (September 23 @ KX building)

Presentation No.	Team Name	Affiliation	Research Title
K1	Balakkak	Thamavitya Mulniti School	Utilization of Fly Ash from Biomass Power Plants as Geopolymer Material to Replace Cement: Incorporating Plastic as a Concrete Composite Material
K2	YOLO	Lukhamhanwarinchamrab School	Chickpeas Meat Analogue for Food Healthier Choice Nutrition
K3	Tiger ahah	Princess Chulabhorn Science High School Pathumthani	Developing an innovative simple passive fingerprint identification kit at a small scale with Small Particle Reagent in combination with natural carbon dot fluorescent material.
K4	The mad scientist	Varee Chiangmai School	Study the efficacy of ginger extract for inhibiting bacterial growth and promote wound healing in mouth
K5	Ma Aou Rangwan	Princess Chulabhorn Science High School Satun	Games for hand and leg muscles physiotherapy for people with Amyotrophic Lateral Sclerosis (ALS)
K6	The Greenbeans	Satriwithaya School	Nutrient Recovery from Latex Wastewater: Struvite Crystal Formation Using Magnesium-Coated Natural Materials

Presenters of Poster Presentation (September 23 @ KX building)

Presentation No.	Team Name	Affiliation	Research Title
P1	Dodoco	Samsenwittayalai	Effects of different concentrations of sericin-coated magnetic nanoparticles on breast cancer cells
P2	Is a two-faced Saba a Tuna?	Suankularb Wittayalai School	Smart Stroller System with Automatic Braking and Integrated Security
P3	Tigereiei	Princess Chulabhorn Science High School Pathumthani	Innovative Bio-based Polymer Microcapsule Encapsulated Magnetite Nanoparticles for Reusable Lipase in Biodiesel Production Process
P4 (Cancelled)	Let's Save the World TOGETHER	Sisaket Wittayalai School	Processing of Concrete Pavement Blocks (CPB) by Using Recycled Expanded Polystyrene (EPS) as Partially Sand Replacement
P5	MPs stand for Microplastics	Suankularb Wittayalai School	Microplastic Content in Some Estuarine Fishes; Short Mackerel (<i>Rastrelliger brachysoma</i>) and Threadfin Bream (<i>Nemipterus japonicus</i>) From the Chao Phraya River Estuary
P6	Object Identifier For Blind People	Sisaket Wittayalai School	Object Identifier For Blind People
P7	PCBCBP	Sakolrajwittayanukul School	Prototyping of PCBs via Screen Printing Method Using Conductive Ink: A Study on Development, Metal Nanoparticles, Screens, and Curing Methods
P8	MWIT Team 3	Mahidol Wittayanusorn School	The Development of Lateral Flow Immunoassay for Hepatitis B Detection in Saliva
P9	MINERVA	Satit Bilingual School of Rangsit University	Investigating the correlation between breakfast and Alzheimer's disease
P10	ASAP concrete	Bodindecha (Sing singhaseni)	Lightweight concrete from plant waste
P11	Foggy	Princess Chulabhorn Science High School Satun	Fog Catcher Model
P12	Defining the future	Pottisarnpittayakorn	The effective eradication of ovarian cancer cells by cucurbitacin and related mechanisms
P13	Kardioscope	Satit Prasarnmit International Programme	Antimicrobial Properties within Popular Thai Foods Against <i>Bacillus Licheniformis</i>

P14 (Non-participation)	Beauty on my face	Surawittayakarn School	The inhibitive efficiencies of the bioplastics from banana peels extracts on <i>Escherichia coli</i> and <i>Staphylococcus aureus</i>
P15	yourbabycutieboys	Princess Chulabhorn Science High School Satun	The Development of a Loop-Mediated Isothermal Amplification Method for the Rapid Detection of <i>Ralstonia solanacearum</i>
P16	MAKUT IoT Aquaponics	Mattayom Wat Makutkasat School	Water quality monitoring device in Aquaponics system with IoT technology
P17	The cancer clasher	The Newton Sixth Form School	Antiproliferative activity of <i>Piper betle</i> L. crude extract on colorectal cancer cell lines: In Vitro study
P18 (Cancelled)	Citrus	Montfort College Secondary Section	Developing Kaffir lime extract coated Water Hyacinth based filter
P19 (Non-participation)	Shibata girl is so cute	Darunsikkhalai Science School, King Mongkut's University of Technology Thonburi	Cellulose Acetate Nanofibrous sheets mixed with Organic Fluorophore for Hydrazine Vapor detection