



## ONLINE CONFERENCE 2022

### **Water is Life GOLD medalist for the STEM projects**

ES8 Mahidol Wittayanusorn School, Nakhon Pathom, Thailand - Development of high sensitivity portable test kit for multiple detection of metal ions with minimal amount analysis towards environmental awareness

### **Water is Life Silver medalist for the STEM projects**

ES9 Mahidol Wittayanusorn School, Nakhon Pathom, Thailand - Immobilisation of tannic acid onto activated carbon from durian peels to improve Cu(II) ion removal Kanrawi Yaemchabok

ES12 Oak Bay High School, Canada - Analysis of a future salmon spawning habitat

ES15 Raffles Institution, Singapore - An investigation into the effects of varying pyrolysis temperatures and chitosan modification on the effectiveness of a banana peel biochar in adsorbing tetracycline hydrochloride from a synthetic solution.

### **Water is Life Bronze medalist for the STEM projects**

ES2 Center for Young Scientists – MAN 1 Jembrana - AWAS (Automatic Water System) as a clean water distribution device to mitigate the impact of climate change

ES3 Center for Young Scientists – SMA Doremi Excellent School - Utilization of banana bunches biochar as an adsorbent to reduce phosphate levels in hand washing wastewater during the COVID-19 pandemic

ES6 Detroit Country Day school, USA - PFAS in the Great Lakes Detroit Country Day School Yellowjackets

ES11 Maurick College, The Netherlands - Dike erosion

ES14 Raffles Institution, Singapore - Biochar Derived from Chopsticks as an Effective Biosorbent for Pollutant Removal from Wastewater

### **Water is Life GOLD medalist for the NON-STEM projects**

CS8 Centro Federal de Educação Tecnológica de Minas Gerais Unidade Varginha, Minas Gerais, Brazil. - Varginha urban springs, state of preservation, and perspectives for reality changing

### **Water is Life SILVER medalist for the NON-STEM projects**

CS2 Shibuya Senior High School, Japan - Virtual Water and Japan's Hidden Dependency

CS5 Maurick College, The Netherlands - The taste of plants and what could influence it

### **Water is Life BRONZE medalist for the NON-STEM projects**

CS1 Makuhari Senior High School, Japan - Survival at School: An Investigation Into Water Resources in Times of Natural Disasters

CS6 High school Attached to Wuhan Univeristy, China - The Impact of Water on Wuhan in Light of Local Conditions

CS7 Centro Federal de Educação Tecnológica de Minas Gerais Unidade Varginha, Minas Gerais, Brazil. - Circular economy: transforming wastes into goods and changing behavior for charity