

I-SWEEP 2016 Category Award Winners

Medal	Category	Contestants	Project Title	Country
GOLD	Energy	Jaewoo Heo	Study On The Effect Of The Morphology Of The Perovskite Photoactive Layer On Solar Cell'S Photovoltaic Performance	South Korea
GOLD	Energy	Vikram Pandian	Measuring And Geomapping Ambient Rf Energy For Battery Free Applications	United States - Pennsylvania
GOLD	Energy	Zury Cutler	Creation And Characterization Of An Optically Transparent Hybrid Solar Concentrator And Supercapacitor	United States - New York
GOLD	Energy	Kavita Selva	From Nano Defects To Mega Power: Heavily-Zirconium-Doped Trapped Field (Gd,Y)Bacuo Superconductor Tapes For High Power Wind Turbine Generators	United States - Texas
GOLD	Energy	Ho Tin Tovi Lam, Ming Hin Wu, Man Hin Kuk	Uv-Visible Light Induced Hydrogen Production Using Chlorophyll Sensitized Copper(Ii) Ion-Doped Titanium Dioxide	Hong Kong/China
GOLD	Energy	Dominik Blaser	Backyard Wind Power – In-Depth Design Of A Wind Turbine For The Urban Backyard As An Experimental Contribution To The Energy Debate	Switzerland
GOLD	Energy	Andy Kim	Turning The Red Planet Green (Study Of Cyanobacteria/Algae Growth Kinetics Coupled With Hydroponics Applications For Terraforming And Settling On Mars)	United States - Texas
GOLD	Energy	Roshan Duggineni	Development And Optimization Of High Energy Density Sodium-Sulfur Secondary Battery Technology: Attractive Alternative To Lithium	United States - Kentucky
SILVER	Energy	Alexandra Gabrielski	Algae....The Greener Fuel, Year Five	United States - Florida
SILVER	Energy	Anida Šehanović, Lejla Šehanović	Just Keep It Cool	Bosnia And Herzegovina
SILVER	Energy	Stephen Lee, Fred Chu	The Optimization Of Dye-Sensitized Solar Cells Through The Co-Adsorption And Tri-Adsorption Of Natural Dyes And The Application Of A Conductive Copper Infrastructure With Their Effectiveness In The Electrotaxis Of C.Elegans In Single And Tandem Cells	United States - New York
SILVER	Energy	Govind Krishna	Reduced Graphene Oxide As A Novel Cathode In Cfx Batteries	United States - Kentucky
SILVER	Energy	Cayla Hamann	Improving Efficiency Of Thin-Film Photovoltaic Cells By Understanding Non-Uniformity	United States - New York
SILVER	Energy	Naveena Bontha	Improving Energy Efficiency And Reducing Our Carbon Footprint: A Novel Approach For Fabricating Electrochromic Coatings For Smart Windows	United States - Washington
SILVER	Energy	Tiasha Joardar	Development Of A High Efficiency Solar Cell Using Adaptive Self-Cooling	United States - Texas
SILVER	Energy	Alexander Mancevski	Increasing Capacitance Of A Porous Nickel Supercapacitor Through Longer Electrochemical Etching Time	United States - Texas
SILVER	Energy	Kevin March, Leticia Quiñonez	Wind Generator "A Clean Revolution"	Paraguay
SILVER	Energy	Max Ylitalo	Energy Production From Waste Reduction: Experimental Design Optimization Of Surfactant Enhanced Waste Paper Hydrolysis	United States - Minnesota
SILVER	Energy	Martha Haddad	Novel Glycerol-Free Biodiesel Production Using Enzyme Catalysis	United States - Connecticut
SILVER	Energy	Amelia Peck	Designing An Airfoil Spinner To Improve The Efficiency Of Horizontal Axis Wind Turbines	United States - Connecticut
SILVER	Energy	Arush Jain	Energy Density And Commercial Viability Assessment Of Solid Waste To Biofuel Generation Using Pyrolysis Year Ii	United States - Minnesota
SILVER	Energy	David Kravets	Engineering A Novel Material For Dye-Sensitized Solar Cells	United States - Maryland
SILVER	Energy	Paul Stichaller, Florian Lederer	I Charge U	Austria
SILVER	Energy	Bowen Jing	Substrate Binding Induces Alpha-Helix Unfolding In Cado, A Key Enzyme In Alkane Biosynthesis	United States - Indiana
BRONZE	Energy	Brock Andreasen	A Novel Approach To Vertically Growing Nannochloropsis Oculata Utilizing Solar Light Inputted Via Fiber Optics: A Climate Independent Approach To Sustainable Biofuel Production.	United States - Missouri
BRONZE	Energy	Nimat Maloney	Assessment Of The Stability And Durability Of Pt/C And Aupt/C Nanocatalysts In Proton Exchange Membrane Fuel Cells	United States - New York
BRONZE	Energy	Taesoo Daniel Lee	Improving Exciton Transport In Novel Tetracarboalkoxyphenyl Porphyrin Thin Films For Enhanced Organic Optoelectronics	United States - North Carolina

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BRONZE	Energy	Pablo Barillas	Press Energy: Generating Electric Energy By Harvesting Pressure Forces From Vehicles On Road Surfaces	Puerto Rico
BRONZE	Energy	Devyn Zaminski	Self-Sustaining Biosynthesis Of Methane From Co2 Via A Microbial & Electrochemical Hybrid System	United States - Connecticut
BRONZE	Energy	Dina Foued	Pyrolysis Of Plastic	Egypt
BRONZE	Energy	Annabelle Ng, Robin Shum	Optimization Of A Photosynthetic Microbial Fuel Cell Based On Rhodospirillum Rubrum	United States - New York
BRONZE	Energy	Mason Varuso	How Does The Thermal Conductivity Of Liquids Affect Heat Absorption In Photovoltaic Troughs	United States - Louisiana
BRONZE	Energy	Zane Tilson	Oleaginous Algae: Better For Bio-Fuel	United States - Oklahoma
BRONZE	Energy	Bennett Ngan	A Solar Thermoelectric Generator Utilizing A Phase Change Thermal Battery	United States - California
BRONZE	Energy	David Li	The Iron-Chromium Redox Flow Battery	United States - Washington
BRONZE	Energy	Anup Arvind	Going Green With Green House Gases.Comparing H2 Produced By Artificial Photosynthesis And Photo Electrolysis Of Sea Water Using Nano Dye Sensitized Solar Cell	United States - Texas
BRONZE	Energy	Andrei Mircea, Roxana Georgiana Vatamanu	Energy Cost	Romania
BRONZE	Energy	David Zulli	Converting Tropical Feedstocks Into Bio-Ethanol	United States - Texas
BRONZE	Energy	Nidhi Ohri	Improving The Efficiency Of Hydrogen Fuel Production By Splitting Water (Into H2 And O2) With The Use Of Catalyst Mixtures: A Third Year Study	United States - Florida
BRONZE	Energy	Kevin Wagoner	Better Biofuel: Back To The Basics	United States - Tennessee
BRONZE	Energy	Aditya Panigrahi, Jaideep Patil	The Maglev Car:Novel Approach Of Combining Halbach Magnetic System With V Track Propulsion System, Onto Cars Levitated In The Air With The Help Of Repulsive Forces.	United States - Texas
BRONZE	Energy	Anastaisa Nobles	Does The Curvature Of The Glass Frame Increase The Energy Output Of A Solar Cell? (Year 2)	United States - Florida
BRONZE	Energy	Divya Gandla, Aadya Bhaskaran	Analyzing The Efficacy Of Dye-Sensitized Solar Cells Using Various Natural Dyes	United States - Maryland
BRONZE	Energy	Wongsakorn Wongsuwan, Thanaporn Jaipeng, Supagon Padungmu	An Electricity Generator Model Utilizing Energy Harvested From Water Motion And Weight Of Passengers Commuting On A Passenger Pontoon Dock	Thailand
BRONZE	Energy	Dovletmuhammet Durdymuhammedov, Atajan Nurnazarov	Qualified Biofuel From Cotton Stalk	Turkmenistan
BRONZE	Energy	Paras Patel	The Use Of Photon-Enhanced Thermionic Emission In Thermionic Electric Energy Converters For Increased Incremental Efficiency In Photo-Voltaic Systems For A Complementary, Sustainable Solar Photovoltaic And Thermionic Energy Converter System	United States - Texas
BRONZE	Energy	Aditya Mishra	Influence Of Self Heating On Performance And Lifespan Of Lithium Ion Batteries.	United States - Indiana
BRONZE	Energy	Jamshed Ashurov, Amir Boltayev	Microwave In Home Heating Systems For Better Efficiency	Tajikistan
HONOR	Energy	Max Miranda	A Novel Method Of Integrating Hydropower Into Urban Environments	United States - New York
HONOR	Energy	Anusha Bhattacharyya	Inexpensive And Next Generation Fuel Cell	United States - Arkansas
HONOR	Energy	Shraeya Madhu	Efficiency Of A Nanofluid-Based Solar Collector	United States - Maryland
HONOR	Energy	Shibani Lal	Fabrication Of Micro & Nanostructured Copper Electrode By Using Hot Water Treatment To Produce Hydrogen In Electrolysis	United States - Arkansas
HONOR	Energy	David Bullock	Slurry As A Supplement To Coal In Electricity Generation.	South Africa
HONOR	Energy	Javier Lopez, Robert Lopez	Economizing Fuel Consumption In Automobiles: The Effect Of Water Hydrolysis On Internal Combustion Engines And The Application Of Advanced Carburation System	United States - Texas
HONOR	Energy	Jiangyi Yao	Asphalt-Based Mesoporous Carbons With Different Carbonization Temperature As Sulfur Hosts For High-Performance Li-Sulfur Batteries	China
HONOR	Energy	Josie Phipps	A Diagnostic Study On The Deterioration Of Engine Fuel System Parts Caused By Ethanol Treated Gasoline	United States - Utah
HONOR	Energy	Robert Wedan	Phantom Energy Consumption In Suburban Homes	United States - Minnesota

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HONOR	Energy	Jacob Wallin	Increasing The Efficiency Of A Small Engine	United States - Minnesota
HONOR	Energy	Yunseok Lee	A Study On Effect Of Anion In Oxidation-Reduction Reaction	South Korea
HONOR	Energy	Wing Hei Lo	Algaelectricity	Hong Kong/China
HONOR	Energy	Evan Johnson	The Effect Of An Anion Repelling Vibrating Cathode On The Amount Of Hydrogen Gas Produced During Water Electrolysis	United States - South Carolina
HONOR	Energy	Burak Biyikli	Solar Showdown	United States - Texas
HONOR	Energy	Ka Fai Kwok, Tsun Hin Tang, Li Yi Luo	Magnetically-Levitated Horizontal-Axis Spiral-Shaped Wind Turbine	Hong Kong/China
HONOR	Energy	Samuel Maner	The Application Of Thermoelectric Generation	United States - Tennessee
HONOR	Energy	Ahmed Ismail	Converting Waste Plastic Into Crude Oil / Pyrolysis	South Africa
HONOR	Energy	Berkehan Özen, Ibrahim Şekerçi	Using Various Materials On Microbial Fuel Cells And Comparing Their Electric Outputs	Turkey
HONOR	Energy	Lindsay Golding	Energy Efficient Applicable Window Coverings	United States - Colorado
HONOR	Energy	Cameron Bennett	Arduino Photobioreactor	United States - Georgia
HONOR	Energy	Weihang Gao, Siman Li	Infrared Light Rotary Motor	China
HONOR	Energy	Tural Aliyev, Niyazi Suleymanov	Innovational Energy-Producing Tire	Azerbaijan
HONOR	Energy	Serena Maroquin, Hanne Bosma, Lucas De Natris	Qtc Discothek	Netherlands
HONOR	Energy	Martin Popeski, Dushan Plushkoski	Saving Trees-Increasing Oxygen	Macedonia
GOLD	Engineering	Emily Huang	Polymers To Detect Stress: Developing Novel Methods To Implement Responses In Polydimethylsiloxane Systems	United States - New York
GOLD	Engineering	Vaishali Tikoo	Novel Instrument To Detect Learning Disability In Children	India
GOLD	Engineering	Drew Prevost	Development And Systems Integration Of A Modular Power Factor Corrected Pre-Regulator, Lifepo4 Battery Charger, Dc Motor Controller, And Battery Monitoring System	United States - Alabama
GOLD	Engineering	Jessica Shah	Using A De Novo Modular Pathway Design For The Microbial Synthesis Of The Novel Biofuel 5-Methyl Hexanol	United States - New York
GOLD	Engineering	Ritik Patnaik	Edison® Head Impact System: Iot Based Smart Hub For The Detection Of Traumatic Brain Injuries In Youth Football	United States - Texas
GOLD	Engineering	Rohan Deshpande	Poweroff: Leveraging Iot Using An Arduino And Esp Wifi Module Based Dual Tripwire To Reduce Electricity Wastage And Environmental Pollution	United States - North Carolina
GOLD	Engineering	Eddie Strickland	Dual Purpose Muffler	United States - Alabama
GOLD	Engineering	Doga Ozesmi	Creating An Affordable And Open Source Braille Printer	United States - Iowa
GOLD	Engineering	Arvind Sridhar, Kevin Sadhu	Synthesis And Application Of Novel, Cost-Effective, Biomimetic Hydrogels Doped With Nanoscale Graphene Oxide As Scaffolds For Tissue Engineering And Drug Delivery	United States - New York
SILVER	Engineering	Esli Belshi	Life Assistance Robots	Albania
SILVER	Engineering	Lucija Parkelj, Borut Sketa	Bioengineered Protein Lattice As A Promising Sustainable Smart Nanomaterial	Slovenia
SILVER	Engineering	Sydney Marler	Hybrid Multi-Walled Carbon Nanotube/Tio(2) Electrode Material For Next Generation Energy Storage Devices	United States - California
SILVER	Engineering	Jacob Mosley, Christine Hwang	Development Of A Bacterial Sensor Using Bioconjugated Silver Nanoparticles	United States - Florida
SILVER	Engineering	Connor Li	Fabrication Of A Magnetically Vertical-Aligned Boron Nitride Nanotube Membrane In A Lyotropic Precursor For Salinity Gradient Power	United States - Connecticut
SILVER	Engineering	Nicky Wojtania	Optical Encryption With Cellulose Nanocrystals: Polymer And Amino Resin Cellulose Composites Decorated With Nanoparticles	United States - Texas
SILVER	Engineering	Gayanga Kuruppu	Health Pal An Effective Health Monitoring App To Detect Early Warning Signs Of Health Deterioration	Sri Lanka
SILVER	Engineering	Alexis Hopkins	Optimal Optical: Visual Performance Enhancement Using A Trigger Detection System	United States - Florida
SILVER	Engineering	Aditya Arjun	Design Of A 3D Printed Hand Prosthesis And Robotic Hand Actuated By Nylon 6-6 Polymer Artificial Muscle	United States - Texas
SILVER	Engineering	Xiangzhou Kong	Permenent Magnetic Regenerative Braking Device	China

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SILVER	Engineering	Tsz Hei Lo, Kwan Wing Melody Chiu, Baile Chen	Microscopic-Bubbles Magic	Hong Kong/China
SILVER	Engineering	Alexandra Manciu, Șerban Șlincu	Alternative Solution For Speech Disorders	Romania
SILVER	Engineering	Kejun Wei, Pok Sin, Chi Chung Woo	An Investigation On Auto-Regenerated Hco3—Promoted Metal Ion-Catalyzed Leftover-Reduced Fe2O3-Induced Photocatalytic Water Splitting For H2 Production	Hong Kong/China
SILVER	Engineering	Howard Royce	The Effect Of Compression And Tension In A Bolted System	United States - Florida
SILVER	Engineering	Jeongheon Lee, Eunseok Hwang, Yuro Kang	A Study On Making A Device To Determine Fluid Resistance Coefficient(B) And Terminal Velocity Exponent(X) By Experiment For A Body In Motion	South Korea
SILVER	Engineering	Érika Tagima	Teaching The Braille Method Through The Mobile Device Technology	Brazil
SILVER	Engineering	Mallory Alman	Production Of Cellulose Acetate, Polylactic Acid, And Nonprofessional Plastic From Kudzu	United States - North Carolina
SILVER	Engineering	Katherine Schweikert	Nuts To 9-1-1: The Use-Activated Emergency Alert System For The Epipen	United States - Massachusetts
BRONZE	Engineering	Drew Becker	Reducing The Price Of Reverse Osmosis With The Tides	United States - Utah
BRONZE	Engineering	Alex Wu	A Novel Approach To Increasing The Energy Efficiency Of Molybdenum Tips For Electron Emission	United States - Texas
BRONZE	Engineering	Allison Hoerr	Smart Biodegradable Plastic Capable Of Delivering Diverse Agents	United States - Missouri
BRONZE	Engineering	Thomas Dorminy	Piezo Power Port: Charging Personal Electronics On The Go	United States - Georgia
BRONZE	Engineering	Emily Wang	Your Brainwave Is Your Password: Exploring Eeg-Based Authentication For A Safer Cyber World	United States - North Carolina
BRONZE	Engineering	Muhammad Ahnaf	Development Of A Rehabilitative Hand Orthosis And A Foot Based Control Mechanism	United States - Texas
BRONZE	Engineering	Puvanat Triamchanchai, Touchakorn Chintavalakorn	Adjusting The Structure Of The Siamese Fighting Fish'S Bubble Nest To Improve It'S Function As A Food Antimicrobial Agent	Thailand
BRONZE	Engineering	Madeline Howarth	Identification Of Macrophage Phenotypic Response Around Neuronal Cell Bodies After Peripheral Neve Injury	United States - Ohio
BRONZE	Engineering	Alexandru Oprea, Robert-Mihai Lica	Scientia Lab Of Future	Romania
BRONZE	Engineering	Joshua Jacob	Development Of A Hybrid Inkjet 3D Printer: A Novel Approach To 3D Printing Conductive Architectures And Flexible Electronics	United States - Kentucky
BRONZE	Engineering	Nicholas Bracci	Bio-Engineered Concrete: A Sustainable Self-Healing Material	United States - Texas
BRONZE	Engineering	Gina El Nesr	Breathe Easy: Redesigning Inhalers For Asthma Patients	United States - Massachusetts
BRONZE	Engineering	Yujung Jeon, Sumin Kang	Distinction Food Spoilage And Contamination By Development Monoamine Oxidase Biosensor	South Korea
BRONZE	Engineering	Tara Martin	Biomechanical Energy Harvesting From Respiration Utilizing Piezoelectric Materials And Frequency Up Conversion To Power Microelectronics	United States - Florida
BRONZE	Engineering	Karthik Rao	Using Next-Generation Gps Technology For Fuel Efficient Flight Path Optimization	United States - New York
BRONZE	Engineering	Imam Widodo, Ertugrul Oksuz	Delta-Rides: Delivery Transportation Algorithm For Ridesharers Fabrication And Optimization Of Molecularly-Imprinted Potentiometric Biosensors For Detection And Measurement Of Hemoglobin, Carcinoembryonic Antigen, And Fibrinogen Concentrations In Solution	United States - Texas
BRONZE	Engineering	Anthony Zheng, Jeremy Wang		United States - New York
BRONZE	Engineering	Mariem Bannour	Security Car System	Tunisia
BRONZE	Engineering	João Vitor Ferri, Maria Eduarda Almeida	Full Use Of Juçara Açai As An Alternative To Environmental Preservation And Promotion Of Positive Economic And Social Impacts	Brazil
BRONZE	Engineering	Aniko Nowakowski, Meredith Guidry	Glow In The Dark Concrete: Assessing The Effectiveness Of Different Surface Treatments Incorporating Strontium Aluminate In Regards To Visible Luminescence Emission And Resistance To Abrasion	United States - Louisiana
BRONZE	Engineering	Poonyasit Dhanasomboon, Chitipat Panaphorn	The Study Of Ability To Reduce Shocks Of Helmet From Natural Dilatant Fluid	Thailand

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BRONZE	Engineering	Hamzah Jhaveri	Cold Drawing Induced Agarose Core Fragmentation Within Pes Fiber Cladding	United States - Florida
BRONZE	Engineering	Alexa Eyring, Kayla Shine	Developing An Assistive Handcuff For Cerebral Palsy	United States - South Carolina
BRONZE	Engineering	Ho Fai Chung, Daniel Law, Ying Kiu Lam	Smart "Mobile" Car	Hong Kong/China
BRONZE	Engineering	Sujay Shankar	Design Of Bioink: An Innovative Biomaterial For 3D Medical Implants	United States - Texas
BRONZE	Engineering	Hikmet Okumus	Advanced Three-Dimensional Carbon-Based Multifunctional Nanoarchitectures For Environmental Applications	United States - Texas
BRONZE	Engineering	Rinor Hajrizi, Orges Osmani	Vaclimber	Kosovo
HONOR	Engineering	Vani Kumar, Jessica Poomkudy, Emily Wang	The Use Of The Crispr/Cas9 System For Genetic Engineering In Escherichia Coli	United States - New York
HONOR	Engineering	Caroline Nolan	15 Is Too Late	United States - Florida
HONOR	Engineering	Chloe Trimble	Using Orange Peels In The Production Of A Bio-Plastic	United States - Missouri
HONOR	Engineering	Dania Akmal, Nur Shahira	Olyfibre As A Green Ceiling Made From Bagasse Fibre And Hdpe	Malaysia
HONOR	Engineering	Chon Hou Leong, Chon Hin Ho	Simple Exploring Underwater Robot For Environmental Protection	Macau/China
HONOR	Engineering	Eun Lee Ko, Chan Mi Yang, Geon Woo Park	Study On Damage Prevention And Conditions Selection Of Dealing With Greenhouse	South Korea
HONOR	Engineering	Jose Souza, Francisco Silva	Mini Mobile Radio Transmitter With Electronic Waste	Brazil
HONOR	Engineering	Gracia Adudu, Oluwaferanmi Arowoshola, Oluwatobi Akintewe	Novel Tracking System-Crime Reduction Devices	Nigeria
HONOR	Engineering	Augusta Uwamanzu-Nna	Rheological Characterization Of Attapulgitic Nanoclay Modified Cement Slurries For Oil Well Cementing Applications	United States - New York
HONOR	Engineering	Markus Grimm	Technology Goes Offroad	Switzerland
HONOR	Engineering	Alex Doyle	Utilizing Novel Engineered Systems For Improved Field Treatment Of Hypothermia	United States - Texas
HONOR	Engineering	Danah Han	Increased Efficiency In The Proton Electric Dipole Moment Experiment Through Storage Time Optimization	United States - New York
HONOR	Engineering	Rebecca Walters	The Effect Of Decreasing Photosynthesis On Pyrocystis Fusiformis Dinoflagellate Bioluminescence	United States - Oregon
HONOR	Engineering	Khushkumar Patel	Movable Seat For Physically Disabled In Cars	India
HONOR	Engineering	Katherine Stamey	To 3D Print Or To Not	United States - Tennessee
HONOR	Engineering	Olzhas Seilikhanov	Melting And Investigation Of The Alloy With The High Stress-Strain Propertiesfor Critical Components Of Turbine Units	Kazakhstan
HONOR	Engineering	Natasha Chugh	Shower Water Usage Reminder System	United States - Texas
HONOR	Engineering	Ivan Gumenyuk	How To Avoid "Mexican Disaster"	Ukraine
HONOR	Engineering	Kateřina Stodolová	Dosimetric Applications Of The Semiconductor Detector Medipix	Czech Republic
HONOR	Engineering	Abeer Asad	Automated Injection Device	United States - Texas
HONOR	Engineering	Jie Ling	A Human-Computer Interactive Intelligent Private Control Terminal Based On Artificial Intelligence And Cloud Technologies	China
HONOR	Engineering	Seung Joo Kim	Study Of The Economic Activity Of Microorganisms Using E.Coli Bacteria	United Kingdom
HONOR	Engineering	William Rackers	Innovating The Dehumidification Cycle Using Ionic Liquids	United States - Missouri
HONOR	Engineering	Justin Pritchett, Bailey Witt	Quick-Boil Pot	United States - Tennessee
HONOR	Engineering	Jared Pike	Does The Camber Of The Blades On A Savonius Wind Turbine Affect The Efficiency	United States - Florida
HONOR	Engineering	Chance Messer	Engineering Flettner Rotors To Increase Propulsion	United States - Washington
HONOR	Engineering	Hanna Ilyutsenka, Leanid Bychenia, Matsvei Parmon	High Performance Aircraft	Belarus
HONOR	Engineering	Xuan Ho, Joseph McCormack	Gauss Guns: An Investigation Into The Forces Of Magnetism	United States - Florida
HONOR	Engineering	Hannah Anderson	The Exponential Decay Of The Vertex Height Of A Bouncing Ball	United States - Florida
HONOR	Engineering	Fiona Chow	All About Those Blades	United States - Minnesota
HONOR	Engineering	Zeynep Biber, Beyzanur Kalaycı	Sparrow: New Generation Ornithopter Designed 3D Image Taking Bird.	Turkey

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HONOR	Engineering	Yunus Ismail, Mohammed Zalaabdeen	Identifying The Types Of Material By Generated Using Eddy Current In Variable Magnetic Field	Iraq
GOLD	Environment H.D.P.	William Yin	Development Of A Portable, Tattoo-Based Biosensor For The Non-Invasive, Low-Cost Diagnosis Of Atherosclerosis Via Iontophoresis Of Macrophage-Targeting Silver Nanoparticles	United States - Connecticut
GOLD	Environment H.D.P.	Julia Riley	Identifying An Enzymatic Cascade For Ubiquitination Of Neuronal Snare Protein Vamp2: Implications In Neuronal Function And Disease	United States - New York
GOLD	Environment H.D.P.	Arjun Menta	Early Cancer Diagnosis Through Multiplexed Detection Of Protein Biomarkers Using Electrical Biosensors	United States - Texas
GOLD	Environment H.D.P.	Nandini Naidu	A Novel Approach To Cancer Treatment: Allosteric Inhibition Of Carbonic Anhydrase Ix For Anticancer Applications	United States - Oregon
GOLD	Environment H.D.P.	Kshitij Sachan, Yesh Doctor	Self Cleaving Plasmid	United States - Texas
GOLD	Environment H.D.P.	Sophia Ahmed	Compounding Effects Of Hyperlipidemia And Hyperglycemia In The Exacerbation Of Diabetic Retinopathy	United States - Michigan
SILVER	Environment H.D.P.	Sriharshita Musunuri	Computational And Experimental Design Of Mip Nanoparticles: A Novel Theranostic Solution To Detect And Neutralize Endotoxins Towards The Rational Design Of Potent Peptide Antibiotics To Combat Drug Resistant Bacteria	United States - Washington
SILVER	Environment H.D.P.	Prathik Naidu	Pottery, Sealant, Antibiotic? Exploring The Novel Mechanisms Of Natural Healing Clays	United States - Texas
SILVER	Environment H.D.P.	Meghana Nadella	Investigation Of Antiapoptotic Effect Of Pioglitazone In Mpp+ Induced Parkinson'S Disease Model	Turkey
SILVER	Environment H.D.P.	Mary Zhu	Food For Thought: A Novel Computational Modeling Approach To School Nutrition Policy Analysis	United States - New Hampshire
SILVER	Environment H.D.P.	So Hee Ahn	Identification Of Therapeutic Target Genes For Cisplatin-Resistant Ovarian Cancer	South Korea
SILVER	Environment H.D.P.	Margaret Cirino	Synthesis Of Thermosensitive Magnetoliposomes For The Treatment Of Atherosclerosis Via Controlled Drug Delivery & Magnetic Hyperthermia	United States - Connecticut
SILVER	Environment H.D.P.	Brian Du	Novel Inhibitors Of Glucose Transporter 1 (Glut1) For Cancer: A High-Throughput Study	United States - Texas
SILVER	Environment H.D.P.	Mohammad Yasir Khan	Developing Tools For An Antigen Specific Elisa To Prevent Transfusion-Transmitted Babesiosis	United States - New York
SILVER	Environment H.D.P.	Aaditya Jain	Using Disulfide Crosslinking To Infer The Mechanisms Of Calcium And B Subunit Regulation Of The Bk Channel	United States - New York
SILVER	Environment H.D.P.	Manan Shah	Disease Propagation In Social Networks: A Novel Study Of Infection Genesis And Spread On Twitter	United States - California
SILVER	Environment H.D.P.	Kanchana Raja	A Novel Protocol For Protein Purification And A Conformational Study Of T. Maritima Rad50 Zn-Hook Via Heteronuclear Single Quantum Coherence Spectrometry	United States - Texas
BRONZE	Environment H.D.P.	Jiwoo Lee	The "Smart" Cancer Drug: Targeting Cancer'S Achilles Heel With Novel Crispr/Cas9	United States - New Jersey
BRONZE	Environment H.D.P.	Devanshi Udeshi	A Novel Drosophila Melanogaster Model Of Dravet Syndrome	United States - Texas
BRONZE	Environment H.D.P.	Israa Naguib, Sara Ali	Evolutionary Artificial Kidney Using Bio-Sensing Technique	Egypt
BRONZE	Environment H.D.P.	Gowri Viswanathan, Amba Viswanathan	Exploring Copper Inhibitors As A Therapy For Toxoplasmosis And Malaria	United States - New York
BRONZE	Environment H.D.P.	Jan Blaha	Carbonic Anhydrase Nce103P Of Pathogenic Yeast Candida Parapsilosis	Czech Republic
BRONZE	Environment H.D.P.	Neha Narayan	The Effect Of Telomere Length On Hematopoietic Stem Cell Differentiation In Age Related Malignancies	United States - Texas
BRONZE	Environment H.D.P.	Sueda Cetinkaya	A Genome Analysis To Identify Novel Driver Genes For Pancreatic Adenocarcinoma (Paad)	United States - Texas
BRONZE	Environment H.D.P.	Sela Berenblum	Understanding Emergency Contraceptive Mechanisms Of Action: Computational Molecular Modeling Of The Progesterone Receptor Against Progesterone Receptor Modulators	United States - New York
BRONZE	Environment H.D.P.	Ryan Stasolla	Is Grit Good? Analysis Of The Cost-Effectiveness Of Granite Grit In Chicken Feed	United States - New York

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BRONZE	Environment H.D.P.	Eunsu Ryu, Myeonghoon Jeong, Minjae Kim	The Development Of New Chemical Reaction: Transformation Of Amino Acid Into L-Amino Acid	South Korea
BRONZE	Environment H.D.P.	Maaryah Malik	A Time Course Analysis Of Cell Cycle And Dna Damage In An Rb/E2F1 Model Related To Alzheimer Disease	United States - Ohio
BRONZE	Environment H.D.P.	Dylan Martins	The Effects Of Commercial Beekeeping Antibiotics On The Endosymbionts Of The Western Honey Bee	United States - Oregon
BRONZE	Environment H.D.P.	Ainatul Soraya Ramzani, Ainaa Sofia Ramzani	Antibacterial Activity Of Raw Allium Sativum Extract : A Comparative Study With Commercialized Antibiotics	Malaysia
BRONZE	Environment H.D.P.	Tassica Lim	Healthy Food Score (Hfs): The Real World Applications (Iv)	United States - Texas
BRONZE	Environment H.D.P.	Yoly Rodriguez	The Mercury In Our Fructose	United States - Ohio
BRONZE	Environment H.D.P.	Maya Berlinger	Proving The Synthetic Lethal Interaction Between Arid1A And Ezh2 In Hepatocellular Carcinoma	United States - New York
BRONZE	Environment H.D.P.	Yiklung Ho	Investigation And Application Of Quick Detection Assay For Organophosphate Pesticides Residue In Food	Hong Kong/China
BRONZE	Environment H.D.P.	Jiwon Park, Junghyun Park, Daehun Um	The Protective Role Of Il-17A By Gamma Delta T Cells In Alcohol-Induced Liver Disease	South Korea
BRONZE	Environment H.D.P.	Vrinda Madan	Analyzing The Mechanisms Of Action Of Highly Selective Anti-Malarial Compounds	United States - Florida
BRONZE	Environment H.D.P.	Šajma Hakmi	Freeze To Survive	Bosnia And Herzegovina
BRONZE	Environment H.D.P.	Megan Alam, Juliana Steward	Effects Of E-Cigarette And Vaporizer Exposure: Mucous Membrane & Developing Tissue Studies	United States - Texas
BRONZE	Environment H.D.P.	Can Göksal	Epigenetic Investigation Of Antibiotic-Tolerant Persister Wake-Up Chronic Infection Mimicking Conditions	Turkey
BRONZE	Environment H.D.P.	Elona Lushi, Joana Mucogllava	New Designed Phone Case By Cactus And Chewing Gums, Preventing Electromagnetic Radiation.	Albania
HONOR	Environment H.D.P.	Amela Vatreš, Neira Kurtović	Bones Like Stones	Bosnia And Herzegovina
HONOR	Environment H.D.P.	Matthew Moreida	Dexasr1 A Unique Ras-Gtpase Interacts With Nmda Receptor Activity And Provides A Novel Disassociation Between Spatial Memory, Working Memory And Sensory Gating	United States - New York
HONOR	Environment H.D.P.	Sultan Nurbek Uulu, Manas Askarov	Cleaning Of Industrial Acidic Waste Water With Sheep Wool	Kyrgyzstan
HONOR	Environment H.D.P.	Ali Yasir Salman, Mehmet Salih Yetimoglu	Get Rid Of Body Odor With Herbals	Turkey
HONOR	Environment H.D.P.	Oluwatosin Anjorin	Novel Sinusitis Treatment Approach: Anti-Fungal Effects Of Essential Oils On Sinusitis-Causing Fungi	United States - Texas
HONOR	Environment H.D.P.	Jalicia Smalley	Sleep Tight :	United States - Ohio
HONOR	Environment H.D.P.	Lisbeth Bonsu	Antiviral Effects Of Essential Oils On Lassa Virus	United States - Texas
HONOR	Environment H.D.P.	Fadia Naura Adila, Irma Lidya A. Sastra	The Effect Of Addition Of Natural Cathepsin Enzyme Inhibitor Extracted From Pangasius Hypophthalmus' Skin On Quality And Consumption Freshness By Organoleptic	Indonesia
HONOR	Environment H.D.P.	Ahmaed Ghazi Niazi, Hawraz Khasraw Ahmed	Herbal Products As A Treatments Of Fungal Infection	Iraq
HONOR	Environment H.D.P.	Gabrielle Jung, Connie He	Creation Of A Nanoparticle-Infused Cream That Effectively Reduces Aedes Aegypti Feeding On A Simulated Bovine Blood Source	United States - New York
HONOR	Environment H.D.P.	Tuyet Lam Nguyen Hoang, Anh Thy Nguyen Hoang	Molecular Docking And Pharmacophore Model Studies On Bioactive Compounds In Curcuma Longa L. As Potential Inhibitors Of Cyclin D1- Cdk4 Complex In Breast Cancer	Vietnam
HONOR	Environment H.D.P.	Esra Yuksel	Determining The Highest Rate Of Anti-Fungal Activity On Household Mold Of Bacillus Species Isolated From Soil In Houston	United States - Texas
HONOR	Environment H.D.P.	Laura Stowater	Drink It Up! Phase Ii	United States - Iowa
HONOR	Environment H.D.P.	Nishita Sinha	Experimental Studies In Developing Safe Sanitation Solutions	United States - New Jersey
HONOR	Environment H.D.P.	Selim Uzgoren	Isolation And Molecular Identification Of A New Fungicidal Bacteria: Bacillus Siamensis	United States - Texas
HONOR	Environment H.D.P.	Isabella Elzarki, Serena Sha	How Do Different Substances Affect The Thrashing Behavior Of Caenorhabditis Elegans	United States - Florida
HONOR	Environment H.D.P.	Şimal Genç	The Determination Of The Inhibition Effect Of Wheat (Triticum Aestivum) Rejuvelac On The Multiplication Of Hepg-2 Cells With Mtt Testing	Turkey

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Medal	Category	Contestants	Project Title	Country
HONOR	Environment H.D.P.	Ahmet Acar, Gabriel Shamtoob	Using Honey And Onions As An Alternative To Modern Antibiotics	United States - California
HONOR	Environment H.D.P.	Minh Vuong, Gregory Nnaji	Expression Of Hemagglutinin, Neuraminidase And M1 Matrix Proteins In Cho-K1 Cell Line	Vietnam
GOLD	Environment M.P.	Sarah Carlson, Siddarth Eswarachari	Cleaner Water: Investigating Homogentisate Chemotaxis Receptors In Pseudomonas Putida F1 For Bioremediation Of Aromatic Hydrocarbons, Year Two	United States - Minnesota
GOLD	Environment M.P.	Elena Koung	A Novel Environmentally Friendly And Cost Effective Way To Remove Lipids From Microalgae	United States - Texas
GOLD	Environment M.P.	Sai Sameer Pusapaty	Effective Remediation Of Air Pollution Through An Algal System Integrated With Carbon Mineralization Technology: Phase Ii - Enhancing The Biohydrogen Production Using Flue Gas Derived Bicarbonate And Nutrient Limitation Methods	United States - Texas
GOLD	Environment M.P.	Eric Rykard	Quantifying And Diminishing The Biogas Emissions Of The Bos Taurus By The Utilization Of Zingiber Officinale Through Dietary Supplements.	United States - Florida
GOLD	Environment M.P.	Christine Neumann, Crystal Moynan	The Effect Of Time, Benthic Substrate, And Location Within The St. Louis River Estuary On The Invasion Of Neogobius Melanostomus In The Watershed, And The Use Of Underwater Speakers Emitting The Conspecific Male Mating Call As A Possible Removal Method	United States - Minnesota
GOLD	Environment M.P.	Maya Geradi	Exploring Conditions For Struvite Precipitation With Sustainable Goals In Wastewater Management	United States - Connecticut
GOLD	Environment M.P.	Brian Sang	Efficiency Of A-Cyclodextrin Modified Zeolite As A Novel Sorbent For Aqueous Organic Compounds	United States - New York
GOLD	Environment M.P.	Lucas Metcalf, Carlee Blomdahl	A Device To Filter Mercury In Rivers	United States - Wisconsin
GOLD	Environment M.P.	Abdulmalik Usmanov, Aziz Saidullaev	Recycling Feces Silkworm By Feeding Cows	Tajikistan
GOLD	Environment M.P.	Ann Walton, Sneha Reddy	Effects Of Sulforaphane On Hyphal Connections On Mycorrhizal Fungi	United States - Florida
GOLD	Environment M.P.	Skylynn Reyes	Utilizing Biochar And 8-Methyl-N-Vanillyl-Trans-6-Nonenamide As A Non-Toxic Systemic Agricultural Pest Inhibitor For Glycine Max	United States - Connecticut
GOLD	Environment M.P.	Nicolas Wamsley	Screening Mycopesticides From Metarhizium Fungal Strains For Virulence Differences To Prevent Damage From Popillia Japonica And Agrilus Planipennis Larvae	United States - Missouri
SILVER	Environment M.P.	Megha Vyakaranam	A Super Soaker For Greenhouse Gas: The Design And Synthesis Of A Novel Metal Organic Framework For Separation And Adsorption Of Gases Like Co2	United States - Texas
SILVER	Environment M.P.	Jorge Mariano Miles Acuña, Robinson Alonso Ramirez		
SILVER	Environment M.P.	Inostroza	Biological Control Of Phytopathogenic Fungi By Bacteria	Chile
SILVER	Environment M.P.	Fatimah Alshaikh	Parasitic Seed Germination In Response To A Novel Strigolactone Analog	Saudi Arabia
SILVER	Environment M.P.	Brian Nguyen	The Fabrication Of Novel Fish-Based Bioplastics For Water Packaging	United States - Texas
SILVER	Environment M.P.	Lorenzo Marano, Fabio Bronzin, Matteo Cividino	Photosynthesized Sugar Partition And Improvement In The Plant Production Quality: Use Of A Fluorescent Tracer.	Italy
SILVER	Environment M.P.	Sung Won Seo, Emma Fleishman, Ashley Kim	Utilizing Wastewater As A Nutrient Source For Chlorella Vulgaris: Removing Nitrate And Phosphate Ions From Wastewater And Producing Biodiesel With Excess Chlorella Vulgaris	United States - New York
SILVER	Environment M.P.	Maya Watt	Copper-Infused Ceramic Pots As An Effective Water Filter	United States - New York
SILVER	Environment M.P.	Hannah Kim	Annihilating A Fusarium Blight With Amphotericin B As An Alternative To "Slash And Burn"	United States - New York
SILVER	Environment M.P.	Heba Sayed Abdelazez Tesen, Silvana Aiad Gad Abdalla,		
SILVER	Environment M.P.	Hadeer Naguib Khalil	Microbial Desalination Fuel Cell	Egypt
SILVER	Environment M.P.	Hussein Hussein	Solar Station With A Continuous Electric Generatio	Egypt
SILVER	Environment M.P.	Derek Woo	Battling Honey Bee Ccd Via Reduction Of Neonicotinoid Content In Guttation Droplets Using Biochar Soil Additives	United States - Connecticut

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Medal	Category	Contestants	Project Title	Country
SILVER	Environment M.P.	Heather Wing	A Concrete Method Of Recycling Printed Circuit Boards	United States - Massachusetts
SILVER	Environment M.P.	Prastik Mohanraj	An Approach To Converting Pollutant Co2 Emissions Into Methanol Fuels Using A Photo-Electrochemical Reaction With Mos2 And Gaas To Reduce Environmental Harm From Greenhouse Gases	United States - Connecticut
SILVER	Environment M.P.	Kayla Keriazes, Lazarus Ziozis	The Effect Of Graphene Coated Sand On The Filtration Of Methylene Blue	United States - New York
SILVER	Environment M.P.	Hafsanur Zeliha Tozkoparan, Rumeysa Pelit	Measurement Of The Poisoning Limit Of Residual Oils By The Method Of Refraction Of Light In Lenses	Turkey
SILVER	Environment M.P.	Amanda Minke	Analyzing The Mechanism And Efficiency For Filtering Pb2+ Using Freshwater Algae - Phase 3	United States - Arizona
SILVER	Environment M.P.	Carmen Ruggles	Well Treatments For Iron Related Bacteria	United States - Colorado
SILVER	Environment M.P.	Erika Antoinette Cabral	Practical Uses Of Coffee Grind: Mosquito Larvicidal, Plant Growth Enhancer And Safe Fuel	Philippines
SILVER	Environment M.P.	Samantha Guldan	Soil Amendment Optimization Phase Iii: Nutrient Analysis Of Biochar And Hydrophilic Polymer Enriched Soils In A Simulated Large-Scale Agriculture Environment	United States - Minnesota
SILVER	Environment M.P.	Megan Ploch	Solar Powered Uv-C Treatment For Fecal Coliform And Enterococcus Bacteria In Storm Water Overflow	United States - New York
SILVER	Environment M.P.	Derris Stanland	Peel Power Continued: The Effectiveness Of Twelve Bio-Adsorbents At Extracting Nine Toxic Elements From Contaminated Water	United States - Kentucky
SILVER	Environment M.P.	Sang Yoon Park	Effect Of S. Pasturii'S Dna Transfected With Soil Bacteria To Improve Soil Water Retention For Plant Growth	United States - Massachusetts
SILVER	Environment M.P.	Grace Macomber	Using Invasive Phragmites Australis As A Soil Amendment And Carbon Offset	United States - Michigan
SILVER	Environment M.P.	Bettina Huang	The Effect Of Time Of Day & Depth On St. Johns River Water Quality Data Collection	United States - Florida
SILVER	Environment M.P.	Anaiza Irani, Amy Lu	Making More: Improving Membrane Damage With Potassium Hydroxide Ions In Heat-Tolerant Saccharomyces Cerevisiae To Increase Ethanol Production	United States - Texas
SILVER	Environment M.P.	Mckalee Steen	Plant Talk: A Study Of Interorganismic Communication Using Physical Adaptations Of Phaseolus Vulgaris In Response To Lead Exposure	United States - Oklahoma
BRONZE	Environment M.P.	Phanny Reach Dolin	Water Purification Using Aloe Vera And Bio Sand Filtration	Cambodia
BRONZE	Environment M.P.	Noel Lange	Development Of A Non-Woven Cotton Filter Capable Of Reducing Sulfur Dioxide In Indoor Air	United States - Alabama
BRONZE	Environment M.P.	Lirindë Kafexholli, Eliona Aliju	Cleaning The Environment From Battery Wastes And Preventing Harmful Rays	Kosovo
BRONZE	Environment M.P.	Miriam Feretová	The Impact Of Air Pollution On The Occurrence Of Bioindicator Rhytisma Acerinum L. And Its Potential Use In The Production Of Biomass	Slovakia
BRONZE	Environment M.P.	Nejc Hirci, Vid Klopčič	Citi-Sense Development Of A Mobile Application For Displaying Air Pollution In Cities	Slovenia
BRONZE	Environment M.P.	Adesuha Ehioghae	Isolation And Characterization Of Novel Bacillus Strain In Houston,Tx With High Rates Of Siderophore Effect	United States - Texas
BRONZE	Environment M.P.	Waad Magram	Determining The Evolutionary Origin Of Oil-Degrading Bacteria For Future Remediation Solution To Spills	Saudi Arabia
BRONZE	Environment M.P.	Natasha Gupta, Tanya Gupta	Mitigating The Urban Heat Island (Uhi): Study Of Solar Absorption & Night-Sky Radiation On Cool-Roof Coatings	United States - Kentucky
BRONZE	Environment M.P.	Kyeongseo Yi, Myeongseung Kim, Ji Hyeon Lee	A Study On Adsorption Effect Of Heavy Metal Of Oak Bark With Chemical Modification And Availability Of Removal Filter Of Cr(VI)	South Korea
BRONZE	Environment M.P.	Theanhok Lim, Sothy Sarun	Cocolatin	Cambodia
BRONZE	Environment M.P.	Taylor Nunley	Correlation Between Foliar Epicuticular Wax In Sable Palmetto And Sable Minor Palms.	United States - Texas
BRONZE	Environment M.P.	Samuel Smoter	Elimination Of Heavy Metals In A Water Medium Using Zeolite-Based Adsorbents	Slovakia
BRONZE	Environment M.P.	Beyza Caglar	Novel Bio-Fertilizer: Isolation And Characterization Of New Bacillus Strains Producing High Levels Of Cellulase Enzyme.	United States - Texas

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Medal	Category	Contestants	Project Title	Country
BRONZE	Environment M.P.	Aneesha Nayak	Hydrophobicity Of Colocasia Esculenta Leaves As Wall Protector	India
BRONZE	Environment M.P.	Lauren Matthews	Evaluating The Potential Of Micro Algae As An Inoculant For Pulses. Ideal Conditions For Indoor Farming : Year 4 Of An Ongoing Project	United States - Florida
BRONZE	Environment M.P.	Mayela Calero Recasens, Génesis Nuñez López	Control Biocide Against Kissing Bug (Triatoma Dimidiata) Vector Of Chagas Disease (Trypanosoma Cruzi) Through Toxic Raphides Of Calcium Oxalate Crystals (Cac2O4) From Dumb Cane Plant (Dieffenbachia Sp.)	Costa Rica
BRONZE	Environment M.P.	Cassidy Yueh, Alexander Guzman	Can Fish Poop Power Aquaponics?	United States - Minnesota
BRONZE	Environment M.P.	Anja Dameska, Gonxha Selmani	Kefir: The Future Of Water Purification And A Heavy Metal Nightmare	Macedonia
BRONZE	Environment M.P.	Melissa Dela Cruz, Shannen Pascua	Investigating The Extent Of Moringa Oleifera Seeds Towards Water Purification	United States - Hawaii
BRONZE	Environment M.P.	Joye Pate	What Are The Trends In Lead Emissions By Major Industries In Louisiana Over Time And Space?	United States - Louisiana
BRONZE	Environment M.P.	Kadriye Almus	A Sustainable Approach To Industry: Isolation And Characterization Of New Amylase Producing Bacillus Species From Ant Hill Soil In Houston	United States - Texas
BRONZE	Environment M.P.	Atageldi Nurgeldiyev, Mekan Saparov	Various Ways To Recycle Drained Yoghurt Whey	Turkmenistan
BRONZE	Environment M.P.	Elham Shiday, Tara Almosa, Huda Al Husaini	Reducing Soil Salinity And Using Less Precious Drinking Water In Agriculture - Utilising Sea Water To Irrigate Australian Crops, With The Aid Of Halophyte Plants	Australia
BRONZE	Environment M.P.	Pichsovannthyda An, Mei Lan Loh	Purification Of Wastewater Using Effective Microorganism (Em-1)	Cambodia
BRONZE	Environment M.P.	Ngai Kam Tou, Mo Chu Lan	Gummy Capsule - The '4R' Breakthrough For Replacing Plastic Shower-Gel Bottles Used In Hotels	Macau/China
BRONZE	Environment M.P.	Macey Middleton	Filtering Frenzy Phase II: The Study Of Bivalve Filtration Using Corbicula Fluminea With Heavy Metals And Tissue Analysis	United States - Oklahoma
BRONZE	Environment M.P.	Peter Ashley, Amy Ashley, Andrew Ashley	Rice, Rice Baby: An Ecological And Economical Method To Become A Sustainable Population	United States - Florida
BRONZE	Environment M.P.	Laurel Chen, Reilly Olinger	How Green Is "Green"? Assessing Detergent Toxicity On The Environment	United States - Wisconsin
BRONZE	Environment M.P.	Mustafa Unal, Figen Yilmaz	Investigation Of Heavy Metal (Cd, Cu, Ni And Zn) Accumulation Capacities In Some Aquatic Plants Such As Cabomba Caroliniana, Egeria Densa, Tonina Belem And Hygrophila Polysperma, And Determination Of Heavy Metal Effects On Plant Photosynthetic Pigments.	Turkey
BRONZE	Environment M.P.	Hayden Heaton, S. Dallas Jensen	Pollution Solution	United States - Utah
BRONZE	Environment M.P.	Ezgi Tezer, Ilayda Sirbaş	A New Eco-Friendly Method For Improving Durability Of Buildings Against Explosion And Impact	Turkey
BRONZE	Environment M.P.	Bekarys Alimov, Malika Ibrayeva, Nazerke Akylbekova	Solid-Spectroscopic Determination Of Copper Cation (Ii) With Sodium Diethyldithiocarbamate	Kazakhstan
BRONZE	Environment M.P.	Jordan Skates	The Effects Of Artificial Fish Structure Color And Lighting On The Behavior Of Micropterus Salmoides	United States - Ohio
BRONZE	Environment M.P.	Kassym Aubakirov, Yerkezhan Toktaugazhiyeva, Fariza Amangeldina	Biological Treatment Of Natural Reservoirs From Heavy Metals Using Azoles	Kazakhstan
BRONZE	Environment M.P.	Ettidel Hamza, Nour Bettaieb	Waves Fish Controller	Tunisia
BRONZE	Environment M.P.	Nicole Hill	Desalination Station: Comparing Reverse Osmosis And Distillation	United States - Georgia
BRONZE	Environment M.P.	Jiyoung Kang	Microbial Mechanism For Carbon Stabilization In Soils Amended With 'Biochar'	United States - New Jersey
BRONZE	Environment M.P.	Jennifer Lee	Degradation Of 17B-Estradiol By Ultrasonic Irradiation: The Effect Of An Ultrasonic Homogenizer'S Power Output On The 17B-Estradiol'S Absorbance Spectra	United States - Oregon

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Medal	Category	Contestants	Project Title	Country
HONOR	Environment M.P.	Olof Simander, Lucas Jacobsson Falcon	Electrohydrodynamic Propulsion	Sweden
HONOR	Environment M.P.	Anh Le, Khanh Dang, Ngan Thai	Recollecting The Valuable Industrial Metal-Chromium-Using Lignin In Aqueous Waste And Hydrometallurgy Method	Vietnam
HONOR	Environment M.P.	Maya Yardim	Protecting Fresh Water Resources And A Multipurpose Ecological Method For Water Purification	Turkey
HONOR	Environment M.P.	Njomza Selmani, Zehra Vishko	Innovative, Low-Cost And Eco-Friendly Solution For Cleaning Up Global Oil-Spills Using Natural Waste Materials	Macedonia
HONOR	Environment M.P.	Sandro Cuba Portocarrero, Sol Zeballos Tichuanca	Evaluation Of The Socioeconomic Impact Of "El Niño" 1997-1998 For The Design Of Prevention And Adaptation Strategies Applicable To Peru.	Peru
HONOR	Environment M.P.	Eshaddai Abel, Mayra Monroy	Agricultural Use Of Chicken Feather By Novel Bacillus Strain Isolated From The Soil Of Houston, Texas.	United States - Texas
HONOR	Environment M.P.	John Kriel	Influence Of Power-Driven Vessels On The Distribution And Increase Of Aquatic Weeds In Dams	South Africa
HONOR	Environment M.P.	Valentina Roldán	Study Of Water Quality In The City Of Concordia, Entre Rios	Argentina
HONOR	Environment M.P.	Xinming Shi	The Impacts Of City-Buildings On The Pollution-Diffusion Of Road-Atmosphere	China
HONOR	Environment M.P.	Akshay Jain	Solving The Water Crisis: A Novel Method Of Environmentally Safe Desalination Of Sea Water	United States - New Mexico
HONOR	Environment M.P.	April Pivonka	Feeding The Future: What Is Our Fate Without Phosphate?	United States - Pennsylvania
HONOR	Environment M.P.	Alexis Sachleben	Efficacy Of Zero Emission Renewable Wave Energy In Reef Preservation: Can Ceto Wave Energy Systems Be Used To Reduce Coral Reef Destruction	United States - Kentucky
HONOR	Environment M.P.	Matuke Fomukong	Helios Aqua System: Phase Two	United States - New Mexico
HONOR	Environment M.P.	Christopher Oneill	The Response Of Tree Growth To Mixed Severity Prescribed Fires In Bryce Canyon National Park	United States - Arizona
HONOR	Environment M.P.	Erid Caku, Irildi Curri	Applying Magnetic Field On Plants For Observing Effectiveness Of Photosynthesis By Measuring Absorbance Of Chlorophyll	Albania
HONOR	Environment M.P.	Jinu Lee	Adsorption Of Heavy Metal By Natural Porphyrin: Theoretical Background And Adsorption Efficiency	South Korea
HONOR	Environment M.P.	Andee Poole	Effect Of Bovine Manure Age On Food Crop Productivity	United States - California
HONOR	Environment M.P.	Wenda Gu	Humane Care From The City—Green Public Toilet Under The Pedestrian Bridge	China
HONOR	Environment M.P.	Jacob Schmidt, Levi Peterson	A Nice Fracking Solution: The Effect Of Fracking Water Salts Vs. Road Salts On The Growth Of Lumbriculus Variegatus (Sediment Worms)	United States - Minnesota
HONOR	Environment M.P.	Luke Little	Advancing The Future Of Agriculture Using Duckweed: A Continued Study Of The Effects Of Duckweed In An Aquaponic System	United States - Missouri
HONOR	Environment M.P.	Li-Xin Tang	Recycled Street Light Leds As Greenhouse Lamps	Chinese Taipei
HONOR	Environment M.P.	Georgiana-Gabriela Maxinesi, Adina-Magdalena Lungu	Chemicals Influence On Conifer Seeds Germination- A Source Of Bioremediation	Romania
HONOR	Environment M.P.	Emmy Lombard, Jordan Holmes	The Effect Of Different Catch Basin Filters On Runoff Quality	United States - Georgia
HONOR	Environment M.P.	Hsin Yu Chou	Making The Most Stable Soap Film In A Cubic Frame: Applications To Contamination Detection.	Chinese Taipei
HONOR	Environment M.P.	Prakruti Vaghani, Noopur Doshi	A Novel Process To Create Eco-Friendly Composite Material By Using Corn Husk, Sugarcane Waste Fiber & Guar Gum	India
HONOR	Environment M.P.	Erick Pacheco	Remediation Of Oil Spill By Novel Bacillus Strain Isolated From The Soil In Houston	United States - Texas
HONOR	Environment M.P.	Alberto Medina	Detection Of Petroleum And Its Derivate Contaminants On Water And Soil By Quantum Cascade Laser (Qcl) Infrared Spectroscopy	Puerto Rico
HONOR	Environment M.P.	Sitao Mo	Analysis On The Correlation Between Cd Pollution And Bacillus subtilis In Soil-Rice Ecosystem	China
HONOR	Environment M.P.	Thaninthorn Hengpanichkij, Pakkapong Sangsuk	Analysis Of Decolorization Of Azodyse By Hybrit System From Waste Water	Thailand

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Medal	Category	Contestants	Project Title	Country
HONOR	Environment M.P.	Oluwatofunmi Oteju, Oluwapelumi Lawal, Zainab Badru	Smart Flood Management	Nigeria
HONOR	Environment M.P.	Behram Ilbey Alp Akpınar, Salih Düzgün	Recycling Of The Production Wastes Of Polyurethane Shoe And Slipper Treads As Composite Mermerit	Turkey
HONOR	Environment M.P.	Fernando Cardozo Alvarez, Matías Nakamura	Ecological Wheelchair	Paraguay
HONOR	Environment M.P.	Marissa Hunter	How Silver Nanoparticles Affect Biological Waste Water Treatment Systems	United States - Texas
HONOR	Environment M.P.	Anna Koonce	The Effect Of Sodium Chloride On Hybrid Taxodium Selections	United States - Louisiana
HONOR	Environment M.P.	Hunter Fertenbaugh	Best Wood For Outdoor Heating And Cooking	United States - Louisiana
HONOR	Environment M.P.	Alexander Koss, Alexandra Cononenco	Elimination Of Mercury Vapor From Waste Compact Fluorescent Lamps(Cfl) By Physical And Chemical Adsorption	Moldova
HONOR	Environment M.P.	Sehbal Ahsen Uye, Deborah Sylvia De Parse	Arsenic Poisoning	Mozambique
HONOR	Environment M.P.	Beatriss Dorothy Sales, Denesse Madeline Sales	How To Make Your Own Air Filter?	Philippines
HONOR	Environment M.P.	Evan Blaha	Analyzing The Effectiveness Of Mulch On Tomatoes	United States - South Dakota