



OAS RECOGNITIONS to the Integral Development of the Americas

Argentina

- 1** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** P Intercom
- Students Project name:** Nuria Rocio Orquin
Jason Leonel Linares
- Teachers Project name:** Javier Dario Canete*

Brazil

- 2** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Educational Virtual Reality
- Students Project name:** Arthus Garcia Proenca
Fernando Duarte Pascoal
- Teachers Project name:** Rinaldo Cesa de Oliveira Jesus*
- 3** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Alert System for Forests Fires
- Students Project name:** Barbara da Silva Enderle
Fernanda Schager Tesch da Silva
- Teachers Project name:** Luiz Fernando Guilhao Galbarino *
- 4** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** The UV Protection Level of the Materials



- Students Project name:** Sthefany Aline Dutra Falcao Silva
Juliana Macedo Abilio
- Teachers Project name:** Sebastiao Ivaldo Carneiro Portela *
- 5 Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Easy Water: One New Easy Handling Physico-Chemical Treatment Unit, with Microbiological Action, Powered by Solar Energy
- Students Project name:** Ygor Requenha Romano
- Teachers Project name:** Francisco das Chagas Silva*
- 6 Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Yarner: Study of Technologies Inside Classrooms Focusing on Literacy with the Development of a Digital Web and Mobile Application
- Students Project name:** Rafael Eiki Matheus Imamura
Laura Rubia Paixao Boscolo
- Teachers Project name:** Andreia Cristina de Souza*
- Canada**
- 7 Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** NEW Low-Cost System Uses Novel Visual Aid to Improve the Quality and Accesibility of Water in Developing and 3rd World Countries
- Students Project name:** Rachel Elizabeth Brouwer
- Teachers Project name:** Nancy Wallace*



- 8** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** NOGOS: A Novel Nano-Oligosaccharide Doped Graphene Sand Composite Water Filter for Developing Countries
- Students Project name:** Marcus Douglas Anthony Deans
- Teachers Project name:** Martin Tang*
- 9** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Psychological Classification by Applying Deep Learning to Social Media Text
- Students Project name:** Daniel Mogilny
- Teachers Project name:** Nina Dolgovykh*
- 10** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** TiC- Tongue Interface Communication: Assistive Technology for Severe Impairments
- Students Project name:** Emma Marie Mogus
- Teachers Project name:** George Gezcy*
- 11** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Dialysave: Affordable Dialysis Designed for Developing Countries
- Students Project name:** Anya Pogharian
- Teachers Project name:** Jill Ranger*



Chile

- 12** **Category of the award:**
- Name of the project:** Water Quality Evaluation of Rahue River in the City of Osorno, through the Use of Biological Indexes
- Students Project name:** Ariel Queulo
Eduardo Perez
- Teachers Project name:** Ulises Mosqueira*

Colombia

- 13** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Hidrolizas: Integration of Vegetable Crops and Cultivation of Tilapia to Take Advantage of the Water through Technology and Elements of Recycling at the Head Office of the Naranjal Educational Institution
- Students Project name:** Miguel Angel Arias
Yeferson Montoya
- Teachers Project name:** Jose Noe Sanchez Sierra*
- 14** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** HERBITEX: Paper Based on Residual Grass
- Students Project name:** Daniela Montoya
Maria Camila Ramirez
Laura Ortega
- Teachers Project name:** Angela Maria Garrido Caicedo*
- 15** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas



Name of the project: Helios Car: Light and Small Solar Vehicle Developed for a Local Competition

Students Project name: Ana Maria Lopez
Yuliano Giraldo Barco
Yohan Estiven Castano

Teachers Project name: Guillermo Adelkin Villegas Restrepo*

Costa Rica

16 **Category of the award:** Recognition for his/her contribution to the integral development of the Americas

Name of the project: Gas Leakage Detection and Control System for Homeuse Gas Cylinders

Students Project name: Enmanuel Solano Brenes

Teachers Project name: Rigoberto Brenes Zuniga*

Mexico

17 **Category of the award:** Recognition for his/her contribution to the integral development of the Americas

Name of the project: Listen to the Beat

Students Project name: Ian Martin Pena Alvarez

Teachers Project name: Sandra Hernandez*

18 **Category of the award:** Recognition for his/her contribution to the integral development of the Americas

Name of the project: Polymers to Care for the Environment

Students Project name: Jose Carlos Hernandez Garcia
Aylin Diaz Alamilla

Teachers Project name: Freddy Hernandez Espinosa*



19 **Category of the award:** Recognition for his/her contribution to the integral development of the Americas

Name of the project: Water as Raw Material for an Integral Process of Energy Production

Students Project name: Francisco Zuniga Casillas
Jair Alejandro Madera Hurtado

Teachers Project name: Alma Delia Zamarripa*

Panama

20 **Category of the award:** Recognition for his/her contribution to the integral development of the Americas

Name of the project: Isolation and Characterization of Microorganisms Isolated from Soil Treated with Atrazine

Students Project name: Ricardo Arturo Young

Teachers Project name: Francisco Rivas*

Peru

21 **Category of the award:** Recognition for his/her contribution to the integral development of the Americas

Name of the project: Participation of Indigenous Guerrilla Groups from Pazos and Other Towns in Tayacaja in the War between Peru and Chile

Students Project name: Jennyfer Josely Castro Capcha

Teachers Project name: Sany Emma Pena Ortiz*

22 **Category of the award:** Recognition for his/her contribution to the integral development of the Americas

Name of the project: Evaluation of the Biodegradable Effect of Limonene and the Awareness Campaign for Reduction of Polystyrene Waste

Students Project name: Janela Mayer Jimenez
Carol Barrantes Alban



	Teachers Project name:	Irma Soledad Validivia Mamani*
	Puerto Rico	
23	Category of the award:	Recognition for his/her contribution to the integral development of the Americas
	Name of the project:	Kinetic Energy as an Alternative to Generate Electric Energy
	Students Project name:	Orlando Javier Marrero-Villamil
	Teachers Project name:	Laura H. Rivera-Ortiz*
24	Category of the award:	Recognition for his/her contribution to the integral development of the Americas
	Name of the project:	Water Purification Using Solar Energy
	Students Project name:	Sebastian Andres Rivera
	Teachers Project name:	Wilmayris Alvira*
25	Category of the award:	Recognition for his/her contribution to the integral development of the Americas
	Name of the project:	The Future of Energy: Spidronized Solar Cells
	Students Project name:	Oswalod J. Pagan
	Teachers Project name:	Sylvia Hernandez*
26	Category of the award:	Recognition for his/her contribution to the integral development of the Americas
	Name of the project:	Finding a Pure Mathematical Method for Galactic Classification
	Students Project name:	Orlando Johan Martell
	Teachers Project name:	Edwin Benvenuti*



- 27** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** The Potential of Plantain Waster and Sargassum as Alternative Sources of Energy Production
- Students Project name:** Francisco Antonio Alvarado
- Teachers Project name:** Wilma M. Giol*
- 28** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Smart Wearable System for Diabetes High Risk Group: Screening Tool by Subject’s Electrochemical Skin Conductance and Hear Rate
- Students Project name:** Angelik Laboy-Torres
- Teachers Project name:** Milagros Carire*
- 29** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Study of the Use of Cucurbita moschata’s *(Green Pumkin) and Malus domestica’s (Gren Apple) Waste as a Natural Filter Capable of Removing Toxic Heavy Metals from Water
- Students Project name:** Gabriel Alejandro Burgos-Ortiz
Alberto Gabriel Melendez - Alvarez
Leonel Antonio Negrin-Rivera
- Teachers Project name:** Felix Marcel Torres Alcala*
- 30** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** The Future of Mechanical Prosthetics: Electromyogram
- Students Project name:** Javier Antonio Ortiz-Garcia
Osvaldo Efrain Rivera-Valentin
Luis Angel Ramirez-Torres
- Teachers Project** Milagros Carire*



name:

United States

- 31** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Renewable Power Trekking Pole
- Students Project name:** Travis Wayne Gunn
- Teachers Project name:** Elijah Noah Greene
Chris Bond*
- 32** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** A Low-Cost Flying, Life-Detection System for the Recovery of Victims after Earthquakes
- Students Project name:** Sachin Ganesh Konan
- Teachers Project name:** Debbie Nipar*
- 33** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Using Isolated Gain System to Heat a Traditional Home
- Students Project name:** Kelly Charley
- Teachers Project name:** Yolanda Flores*
- 34** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Using Optical Flow Modeling Methods and Sensor Fusion to Create a Low-Cost, Competent Autonomous Emergency First Responder
- Students Project name:** Venkat Vinayak Krishnan
- Teachers Project name:** Evan Winiger*



- 35** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Live Saving Locating: Developing Autonomous Avalanche Rescue, Part Two
- Students Project name:** Leighton Rhys Burt
- Teachers Project name:** Rafe Jordan Paulson*
- 36** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Bringing Electricity Access to Countries through Ocean Energy: BEACON-Combatting Energy Poverty through the Development of a Novel Ocean Energy Probe
- Students Project name:** Hannah D. Herbst
- Teachers Project name:** Robin Barkes*
- 37** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Developing Inexpensive Calcium Alginate Based Scaffolds for Phosphate Sorption in Stormwater
- Students Project name:** Paige Elizabeth Brown
- Teachers Project name:** Cary Edward James*
- 38** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Innovative Safe Zone Technology to Reduce Gun Violence
- Students Project name:** Indumathi Prakash
- Teachers Project name:** Emily Burke*



- 39** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Organic/Inorganic Hybrid Perovskites: Towards Sustainable Water Splitting
- Students Project name:** Ziyun Mo
Natasha Goenawan
- Teachers Project name:** Ramakrishna Guda*
- 40** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Resistant Starch: Nature’s Solution to Hunger
- Students Project name:** Yuxuan Geng
- Teachers Project name:** Dalene Vincent*
- 41** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** The Greenhouse Effect: Combating the Production of Fossil Fuels with Renewable Energy Sources
- Students Project name:** Brandon Hollins
- Teachers Project name:** Jordan Henley*
- 42** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Dressing the Seed: A Comprehensive, Wide-Scale Approach to Food Insecurity
- Students Project name:** Alon Millet
- Teachers Project name:** Donna Leonardi*
- 43** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas



- Name of the project:** Natural Solar: Production of Biofriendly Naturally Produced Solar Pannels
- Students Project name:** Lilian Rose Martinez
- Teachers Project name:** Laura J. Tenorio*
- 44** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** Leveraging IoT using an Arduino and ESP Wifi Module Based Dual Tripwire System to Reduce Electricity Wastage and Environmental Pollution
- Students Project name:** Rohan Deshpande
- Teachers Project name:** Don Bryson*
- Uruguay**
- 45** **Category of the award:** Recognition for his/her contribution to the integral development of the Americas
- Name of the project:** The Reality of Transgenic Corn
- Students Project name:** Lucia Nidegger
Santiago Alles
Lucia Gilles
- Teachers Project name:** Teresita Fontes*