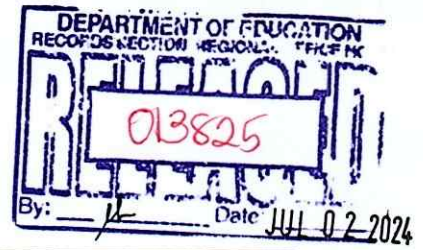




Republic of the Philippines
Department of Education
REGION I



REGIONAL MEMORANDUM

No. 745, s. 2024

**WINNERS IN THE REGENERON INTERNATIONAL SCIENCE
AND ENGINEERING FAIR (ISEF) 2024**

To: Schools Division Superintendents

1. The Department of Education Regional Office I (DepEd RO I) through the Curriculum and Learning Management Division (CLMD) extends its warmest congratulations to the winners and finalists who exemplified excellence during the recently concluded Regeneron International Science and Engineering Fair (ISEF) in Los Angeles, California, USA last May 11-17, 2024.
2. Attached is the List of Winners from the Philippines.
3. SDOs are enjoined to promote the value of research in the advancement of Science and Technology.
4. Immediate dissemination of this Memorandum is desired.

TOLENTINO G. AQUINO
Director IV

Encl.: As stated
Reference: DepEd Memo DM-CT-2024-183
To be indicated in the Perpetual Index
Under the following subjects:

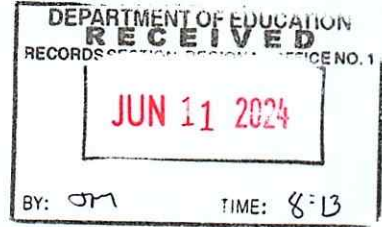
COMPETTIONS SCIENCE WINNERS

CLMD/jdcjr/RM_WinnersInTheRegeneronInternationalScienceAndEngineeringFair
June 28, 2024



Flores St., Catbangan, City of San Fernando, La Union
Telephone Nos.: (072) 607-8137/682-2324

DepEd Region I region1@deped.gov.ph www.depdro1.com



Republic of the Philippines
Department of Education

OFFICE OF THE UNDERSECRETARY FOR CURRICULUM AND TEACHING

MEMORANDUM
DM-CT-2024- 183

TO : REGIONAL DIRECTORS
MINISTER, MBHTE-BARMM

FROM : *ALMA RUBY C. TORIO*
Assistant Secretary
Officer-in-Charge
Office of the Undersecretary for Curriculum and Teaching

SUBJECT : **WINNERS IN THE REGENERON INTERNATIONAL SCIENCE AND ENGINEERING FAIR (ISEF) 2024**

DATE : June 6, 2024

At the recently concluded Regeneron International Science and Engineering Fair (ISEF), 64 countries comprising nearly 1,600 participants convened in Los Angeles, California, USA, from May 11 to 17, 2024, to showcase their research projects and be recognized at the most prestigious science fair in the world.

Relative to this, the Department of Education, through the Curriculum and Teaching Strand, expresses its warmest congratulations to the finalists and winners in the Regeneron ISEF 2024, together with the unwavering support of their research advisers, expert mentors, partners, and other stakeholders in their journey to achieve the honor for their respective regions and the country.

Awards	Title of Project	Region	School	Name of Student/s	Name of Adviser
4th Place Grand Award	<i>In vitro</i> and <i>in silico</i> Evaluation of Embryogenesis Inhibition Activity of Ethanolic Extracts of Chico (<i>Manilkara zapota</i>) Bark Against Gastrointestinal Strongyle Eggs	VII	Cebu City National Science High School	Michaela Ria C. Rentuza Mikaella Rose Emereene D. Macabata Wesly N. Secuya	Reuth Thessalonica C. De La Victoria
National Geographic Society's Excellence in Geography and	Flood Mitigation of Tarlac City Through 3D Simulation of Groundwater Discharge to Flood Inundation Using Rainfall Prediction and	III	Tarlac National High School	Arnon Yzabel G. Guinto	Nica Joyce P. Aquino



1/F Bonifacio Building, DepEd C
Direct Line: (632) 8633-7202/8

DepEd Philippines @depedphilippines



DepEd RO1



Republic of the Philippines
Department of Education



OFFICE OF THE UNDERSECRETARY FOR CURRICULUM AND TEACHING

Geospatial Science Award	Integration of Spatio-Temporal GIS in Hydrodynamic Models				
Finalists	<i>In vitro</i> Study of Bioceramics From Bamboo (<i>Bambusa blumeana</i>) Leaf Ash and Green Mussel (<i>Perna viridis</i>) Shells With Silver (Ag) Coating and 3D-Printing Applications for Bone Regeneration	III	Angeles City Science High School	Frances Gabrielle S. Bingcang Hart Gabrielle T. Ong Jessica Loreen L. Yabut	Lolita G. Bautista
Finalist	Optimizing the Catalyst Type, Catalyst Concentration and Methanol-to-Oil Molar Ratio of Darak (Rice Bran) Oil Extracts Transesterification for Maximum Biodiesel Yield	VII	Mandaue City Science High School	Christian Paul B. Palacio	Noelyn Marie P. Navarro
Finalist	Enhanced Crop Disease Symptom Detection in Corn (<i>Zea mays</i>) Using Drone Aerial Imagery and AI for Symptom Mapping	VII	Mandaue City Science High School	Karl Gian S. Abellana	Pamela S. Perez
Finalist	AGRIGENT: Enhancing Greenhouse Agriculture With IoT (Internet of Things)-Enabled Automated Irrigation and Rainwater Harvesting System for Improved Crop Growth and Water Efficiency	VII	City of Bogo Senior High School	Analie R. Pedrano Rose Feth F. Catadman Andrei Miguel F. Reformina	Kent Jasper C. Ytang
Finalist	Anticancer Potential of Molave (<i>Vitex parviflora</i> Juss.) Crude Leaf Ethanolic Extract Against Lung Cancer Cells (A549 and GL01)	NCR	Quezon City Science High School	Josiah Christopher Q. Cruz	Earl Francis C. Merilles

Project abstracts can be accessed at <https://bit.ly/ISEF2024> Abstracts.

Immediate dissemination of this Memorandum is desired.

Copy furnished:
ATTY. REVSEE A. ESCOBEDO
Undersecretary for Operations

1/F Bonifacio Building, DepEd Complex, Meralco Avenue, Pasig City
Direct Line: (632) 8633-7202/8687-414



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