



Republic of the Philippines  
**Department of Education**  
REGION VIII - EASTERN VISAYAS

June 18, 2024

**REGIONAL MEMORANDUM**

No. **673** s. 2024

**DISSEMINATION OF DEPED MEMORANDUM DM-CT-2024-183, RE: WINNERS  
IN THE REGENERON INTERNATIONAL SCIENCE AND ENGINEERING  
FAIR (ISEF) 2024**

To: Schools Division Superintendents  
All Others Concerned

1. Attached is DepEd Memorandum DM-CT-2024-183, Re: Winners in the Regeneron International Science and Engineering Fair (ISEF) 2024, for information.
2. Immediate dissemination of this Memorandum is desired.

  
**EVELYN R. FETALVERO CESO IV**  
Regional Director

Enclosures: As stated

References: None

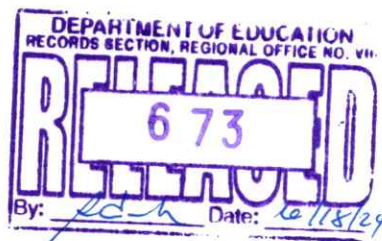
To be indicated in the Perpetual Index under the following subjects:

FAIR

REGENERON

SCIENCE AND ENGINEERING

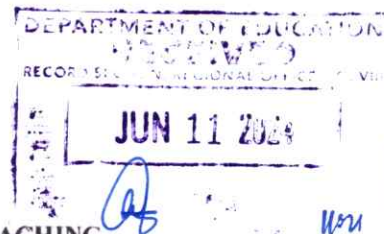
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Republic of the Philippines  
**Department of Education**

OFFICE OF THE UNDERSECRETARY FOR CURRICULUM AND TEACHING



**MEMORANDUM**  
**DM-CT-2024-183**

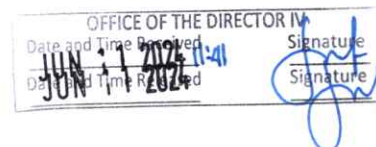
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**TO :** REGIONAL DIRECTORS  
MINISTER, MBHTE-BARMM

**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
<b>4<sup>th</sup> Place Grand Award</b>	<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 Emerene D. Macabata  Wesly N. Secuya	Reuth Thessalonica C. De La Victoria
<b>National Geographic Society's Excellence in Geography and</b>	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



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11 JUN 2024



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<b>Geospatial Science Award</b>	Integration of Spatio-Temporal GIS in Hydrodynamic Models				
<b>Finalists</b>	<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
<b>Finalist</b>	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
<b>Finalist</b>	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
<b>Finalist</b>	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
<b>Finalist</b>	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](https://bit.ly/ISEF2024_Abstracts).

Immediate dissemination of this Memorandum is desired.

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

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