



Republic of the Philippines
Department of Education
NATIONAL CAPITAL REGION

REGIONAL MEMORANDUM

ORD-2024 6 . 704

TO : SCHOOLS DIVISION SUPERINTENDENTS

FROM : JOCELYN DR ANDAYA
Director IV

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

DATE : June 19, 2024

1. This is in reference to the attached Memorandum **DM-CT-2024-183** dated June 6, 2024, from Alma Ruby C. Torio, Assistant Secretary for Curriculum and Teaching, Officer-in-Charge, Office of the Undersecretary for Curriculum and Teaching, relative to the above- captioned subject, contents of which are self-explanatory, for information and appropriate action.
2. Immediate dissemination of this Memorandum is desired.



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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



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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



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