



Republic of the Philippines
Department of Education
 REGION V - BICOL



04 November 2024

REGIONAL MEMORANDUM

No. ___ s. 2024

01324

ADVISORY TO RM 1019 S. 2024 REGIONAL SCIENCE, TECHNOLOGY, FAIR,
 AND ROBOTICS OLYMPICS FOR SY 2024-2025: RESULTS OF THE
 SCIENTIFIC REVIEW COMMITTEE (SRC) PAPER SCREENING
 AND EVALUATION AND OTHER DETAILS

To: Schools Division Superintendents
 Division Science and Math Supervisors
 School Heads
 All Concerned

1. With reference to RM 1019 S. 2024, Regional Science, Technology, Fair, and Robotics Olympics for SY 2024-2025, this Office announces the official results of the Scientific Review Committee Paper Screening and Evaluation in Life and Physical Sciences to wit:

Division	Title	Results
<i>Life Science Individual</i>		
Albay (PGCHS)	Optimizing Amorsecos (<i>Chrysopogon aciculatus</i>) Leaf Extract as Phytogenic Coagulants for Deep Well Water Treatment	Not Accepted
Camarines Sur (San Rafael NHS)	Efficacy of Dog Fennel (<i>Eupatorium capillifolium</i>) Essential Oil Diffuser as Housefly (<i>Musca domestica</i>) Repellent	Not Accepted
Camarines Norte (Vinzons PHS)	In vitro Evaluation of the Antioxidant, Nephroprotective, and Antiuro lithiatic Properties of Nipa (<i>Nypa fruticans wurmb.</i>) Fruit Endosperm Ethanolic Extract	Accepted but must comply with the Suggestions
Iriga City (Sto Niño NHS)	Pesticidal Effects of Water Lettuce (<i>Pistia stratiotes</i>) and Mauritius Hemp (<i>Furcraea gigantea</i>) against Golden Apple Snails (<i>Pomacea canaliculata</i>)	Provisional Pass (Improve the paper)
Legazpi City (LSHS)	Potential Teratogenic Activity of Nami (<i>Dioscorea hispida Dennst</i>) Root Extract via Duck Embryo Assay	Accepted but must comply with the Suggestions
Ligao City (Ligao NHS)	Diversity Assessment and Total Carbohydrate Analysis of the Nectariferous Flora of Kawa-Kawa Hill Natural Park, Ligao City	Provisional Pass (Improve the paper)
Masbate City (MNCHS)	Diversity Assessment of Gastropod Molluscs in the Mangrove Ecosystem of Mangrovetum Park, Masbate City	Passed but must comply with the Suggestions



Address: Regional Center Site, Rawis, Legazpi City, 4500
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Masbate Province (Cataingan NHS)	Phytochemical Screening of Hagonoy (Chromolaena odorata (L.) Leaves Using Glycerol Extract for Therapeutic Potential	Not Accepted
Naga City (Cam Sur NHS)	Zillium: Ginger (<i>Zingiber officinale</i>) and Garlic (<i>Allium sativum</i>) Extracts as Alternative Termicide	Not Accepted
Sorsogon Province (Bulan NHS)	Biom mineralization Analysis and Biomolluscicidal Efficacy of Tamban (<i>sardinella lemuru</i>) Bones with Kakawate (<i>gliricidia sepium</i>) Leaves Extract on Golden Apple Snails (<i>pomacea canaliculata</i>)	Provisional Pass. (The study needs more rigor for more conclusive results)
Tabaco City (Tabaco NHS)	Microbiological Assessment of Drinking Water Sources at TNHS: Ensuring Public Health and Safety in Schools	Not Accepted
Life Science Team		
Albay (PGCHS)	Efficacy of Rangka leaves (<i>Impatiens balsamina</i>) extract and Pili Pulp (<i>Canarium ovatum</i>) oil as Natural Wound Healing Ointment	Passed but must comply with the Suggestions
Camarines Sur (San Rafael NHS)	Jackfruit (<i>Artocarpus heterophyllus</i>) Peel as Fruit-Life Extender	Passed but must comply with the Suggestions
Camarines Norte (VPHS)	In Vitro Evaluation of Antioxidant, Antihyperglycemic, and Neuroprotective Effects of Underutilized Bayag-usa (<i>Voacanga globosa</i>) Fruit Ethanolic Extract	Accepted
Catanduanes (Bato RDHS)	Peanut Shell Briquettes with Polysaccharide-based Materials as an Absorbent of Ethylene for Preservation of Tomato (<i>Solanum lycopersicum</i>)	Not Accepted
Iriga City (Zeferino Arroyo HS)	Antifungal Activity of Pagoda (<i>Clerodendrum paniculatum</i>) Leaf Extract Against <i>Aspergillus flavus</i> in Corn	Passed but must comply with the Suggestions
Legazpi City (LSHS)	Reproductive Biology of Indian Mackerel (<i>Rastrelliger kanagurta</i>) in Puro, Legazpi City, Albay	Passed but must comply with the Suggestions
Ligao City (BRSHS)	Assessing the Hypolipidemic and Anti-atherosclerotic Properties of Aqueous Extract from Sweet Potato (<i>Ipomoea batatas</i>) Leaves and Lemon (<i>Citrus limon</i>) Peel	Passed but must comply with the Suggestions
Masbate City (MNCHS)	Taxonomical and Morphological Classification of Freshwater Crab Species in Tugbo Natural Biotic Area, Masbate, Philippines	Accepted
Masbate Province (CNHS)	Antioxidant and Antimutagenic Activities of Purified Anthocyanin from Kamantsanitos (<i>Muntingia calabura</i>) Fruit Ethanolic Extracts:	Accepted



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		<i>An in vitro</i> Evaluation of Potential Cancer Prevention	
Naga City (Cam Sur NHS)		Efficacy of Eggshell and Banana (<i>Musa acuminata</i>) Peel as Organic Fertilizers for Sustainable Pechay (<i>Brassica rapa</i>) Plant Growth	Accepted
Sorsogon City (Rawis SHS)		Water Analysis of Creeks Pouring into Bacon Beach Coastal Area	Not Accepted
Sorsogon Province (Bulan NHS)		In-Vitro Evaluation of the Anticancer and Antioxidant Potential of Atis (<i>Annona squamosa</i> Linn.) Ethanolic Leaf Extract on Human Lung Adenocarcinoma Cancer Cells (A549) with Bioactive Compounds Profiling	Accepted
Tabaco City (TNHS)		Potential Decontamination of Copper Sulfate-laden Soil By Phytoremediation Using Carabao Grass (<i>Paspalum conjugatum</i>)	Not Accepted
<i>Physical Science Individual</i>			
Tabaco City (SL NHS)		Alternative Sound Adsorption Material from Snake Plant Fibers	Not Accepted
Sorsogon Province (Bulan NHS)		Evaluation of the Solvent Properties of Essential Oil Extract from Ylang-ylang and Hagonoy Plant Leaf on Expanded Polystyrene	Provisional Pass. Must comply with the suggestions
Sorsogon City (Sor NHS)		PANoRD: A Portable Attendance and Noise Recognition Device	Provisional Pass. Must comply with the suggestions
Naga City (Cam Sur NHS)		Thermoelectric Energy Harvesting Device for Window Type Air Conditioner Waste Energy	Not Accepted
Masbate Province (CNHS)		VOLTREN: A Piezoelectric Generator Shoes	Provisional Pass. Improve the paper.
Masbate City (MNCHS)		Physico-chemical Characterization of Wild Giant Taro Aqueous Extract as a Novel Post-Harvest Termite Control Treatment for Bamboo	Accepted
Legazpi City Science HS		Bidirectional Audio-Sensory Assistance (B.A.S.A.) System: An Arduino-Based Braille &Text Imagery Assisting Apparatus Employing Machine Learning	Accepted
Iriga City (ZAHS)		INNOVA-BOARD: Innovating Particle Board with Sustainable Components	Provisional Pass. Must comply with the suggestions
Camarines Norte (JPNHS)		Improvised Water Level Monitoring and Response System Design Utilizing an Array of Float Switches	Provisional Pass. Must comply with the suggestions
Cam Sur (San Rafael NHS)		Arduino-Based Motorcycle Vehicle Emission Testing Device	Not Accepted



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Albay (MORMS)	Bioplastic: Utilization of Agar Seaweed as Alternative to Plastic Cutlery	Not Accepted
Ligao (LNHS)	Photoelectrochemical Analysis of Titanium(IV) Oxide(TiO ₂)Based Natural Dye Sensitized Solar Cells (DSSC)	Provisional Pass. Improve the paper.
Catanduanes (SMDHS)	Development and Evaluation of Corn Starch-Based Bio composite Seedling Pot Reinforced with Abaca Pulp Fiber	Not Accepted
<i>Physical Science Team</i>		
Tabaco City (Tabaco NHS)	Structural Performance and Durability of Cement with Sugar Beet	Not Accepted
Sorsogon Province (Bulan NHS)	Punlad: Cassava Peel Starch and Guava Leaf Extract as Eco-Friendly Biodegradable Seedling Pot	Accepted
Sorsogon City (SNHS)	WeaTHR: An Arduino-Based Device for Real-Time Weather Monitoring and Local Forecasting	Not Accepted
Naga City (Cam Sur National HS)	OptiRixer: A Mixer Dryer Machine for Rice Grains (Oryza sativa L.)	Not Accepted
Masbate Province (Cataingan NHS)	ASCE (Acetic acid, Sodium Chloride, and Eugenol) Formulations: An Alternative Weed Herbicide	Not Accepted
Masbate City (MNCHS)	Integration of a Small-Scale Hydroelectric Generator for Enhanced Hydroponics Systems Operations	Provisional Pass. Improve the paper
Legazpi City (Legazpi City Science HS)	Development of Adsorbent Boom Derived from Hybrid Acid-Activated Waste Pili Nut Shells Charcoal and Corn Husks for Oil Spill	Provisional Pass. Improve the paper
Iriga City (Zeferino AHS)	Exploring The Potential of Arrowroot Fiber and Starch as Biodegradable Wrapping Material	Not Accepted
Camarines Sur (SanRafael NHS)	Arduino-based Multi-purpose Sprayer	Not Accepted
Camarines Norte (VPHS)	PHYTOX: Chitosan Application from Green Mussel Shell Waste in Photobioreactor Cultivation for Enhancing Algal Biomass Production	Provisionally accepted with major revisions needed.
Albay (PGCHS)	IOT-Based Rainwater Purification System Utilizing Buri Palm Ash	Not Accepted
Ligao City (LNHS)	Assessing Water Lily Leaf Bio-Wax as a Hydrophobic Surface Coating Substance for Kraft Paper Bags	Not Accepted
Catanduanes (CNHS)	Guling-Guling Shell as Aggregate in Making Hollow Blocks	Not Accepted



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2. Researchers with qualified projects are required to address the recommendations provided by the Scientific Review Committee (SRC). Revisions must be clearly reflected in the research paper prior to submission to the secretariat on the day of the defense. A summary of the Evaluation Report can be found in Enclosure 2 of this advisory. Additionally, all endorsed research papers that were not part of the pre-evaluation will automatically join the regional fair.
3. The following are enclosed for the reference of all parties concerned.
 - Enclosure 1: Summary of Research Entries Submitted
 - Enclosure 2: Summary of Qualified Entries per Division
 - Enclosure 3: Scientific Review Committee (SRC) Evaluation Results (Life Sciences and Physical Sciences)
 - Enclosure 4: Regional Technical Working Group
 - Enclosure 5: Additional Guidelines for Participating Divisions
4. All key persons/chairman/co-chairman of the Technical Working Group are requested to attend the conference on November 8, 2024 at 9:00 AM at a venue to be announced later.
5. For information and dissemination.


GILBERT T. SADSAD
Regional Director 

CLMD-cheD
11/04/2024

SCHOOLS DIVISION OF SORSOGON
Sorsogon

November 5, 2024

TO: PSDSs/ OIC-PSDSs
Elementary and Secondary School Heads Concerned
All Others Concerned

Please be guided by the contents of this Memorandum.

Congratulations and best of luck on your presentation/ performance in the RSTF.

For information, dissemination and guidance of all concerned.


WILLIAM GANDO, CESO VI
Schools Division Superintendent 

Regional Science, Technology, Fair and Robotics Olympics

Legazpi City Convention Center
November 13-15, 2024

• Regional SRC Paper Evaluation
October 22-October 30, 2024

Science Congress
November 14, 2024

	Name of Judge/Evaluator	Station	TWG
Life Science Individual	1. Phil V. Morano 2. Dean Carlo F. Gallias 3. Magnolia Vida A. Cano	BUCS Department of Biology BUCS Department of Biology BUCS Department of Chemistry	Chairman: Jade O Alberto Co-Chairman: Michelle H. Guadamor Member: Sherry Ann A. Selfides
Life Science Team			
Physical Science Individual	1. Jo-Ann M. Cordovilla 2. Mark H. Daen 3. Kimblierly M. Ludovice	BUCS Dept of Physics & Meteorology BUCS Dept of Physics & Meteorology BUCS Department of Chemistry	Chairman: Niño Gerard Ceneta Co-Chairman: Ronald C. Reyes Member: Michelle Ann P. Saribong
Physical Science Team			
Robotics and Intelligent Machines Individual	1. Davie B. Balmadrid 2. Engr. Mary Joy Mandane-Ortiz 3. Engr. Jan Carl Nicoleta	BUCS CS/IT Department BUCENG Mechanical Eng'g Dept. BU Guinobatan Campus – Dept. of	Chairman: Rhea SB Samino Co-Chairman: Dino Manuel Prestado Christine Lee B. Cruz
Robotics and Intelligent Machines Team			
Mathematics and Computational Science Individual	1. Jayson A. Lucilo 2. Myra Angela L. Lola 3. Michael Angelo D. Brogada	BUCS Mathematics Department BUCS Mathematics Department BUCS CS/IT Department	Chairman: Charles Asagra Co-Chairman: Jezrahel T. Omadto Jojim B. Cordova
Mathematics and Computational Science Team			
Science Innovation Expo Individual	1. Nicanor B. Balbin 2. Alfonso M. Peñol, Jr. 3. Kengie E. Merenciano	Director, Intellectual Property Mgt. Div Director, Fab Lab BU College of Industrial Technology	Chairman: Noel V. Ibis Co-Chairman: Benjie L. Cadag Member: Rafaela B. Salceda
Science Innovation Expo Team			
Line Tracing Robot (JHS)	Jovy L. Mirabueno; Jocen I. Sorhio Maria Sheryl R. Macuha; Dana Mae Clarifio Arthur R. Esquillo; Jade Ericson Sale		Look-See: Michelle D. Losanez Manuel Luis Teodoro
Maze Solving Mission Robot (SHS)			Chairman: Jemnah A. Macabe Co-Chairman: Helen Z. Cornello Member: Maribel Secretario
Maze Solving Mission Robot (Coaches)			Chairman: Jocelyn P. Navera Co-Chairman: Saturn Macasinag Member: Criselda Burce
Science SMART Kid (Key Stage 1)	1. Joy Chavez 2. Ma. Ayrin Adriano 3. Ma. Leilani R. Lorico	EPS, FTAD EPS, CLMD EPS, CLMD	
Science Magic Show (Key Stage 3&4)	1. Jose Chavez Jr 2. Manuel F. Babasa 3. Mayflor Marie L. Jumamil	EPS, QAD EPS, QAD AO V, PAO	
Odyssey of the Mind (Key Stage 2)	1. Hallen Montreal 2. Lida Alcantara 3. Andrew Raguero	EPS, PPRD EPS, FTAD SEPS, PPRD	Chairman: Michelle D. Losañez Co-Chairman: Anallyn L. Neptuno Member: Zara G. Rejuso Gerard A. Macadatu Jojo Apuli
Poster Display	Loyd H. Botar Chozara P. Duroy Saturnino L. Macasinag Jr	ROV ROV	Chairman: Manuel Luis Teodoro Co-Chairman: Sonny A. Jacob Members: Ruby Ann P. Buitre Moderator: Jocelyn P. Navera
Special Session w/ Saturn SENSEI			

Regional Science, Technology, Fair and Robotics Olympics

Legazpi City Convention Center
November 13-15, 2024

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Program and Invitation	Chairman: Michelle Losañez Co-Chairman: Presyll Bello	Freddierick C. Apuli Jojo Apuli Emcees: Lalaine R. Apostol Gerard A. Macadatu
Stage Preparation/Decoration	Chairman: Jerry Ramirez Co-Chairman: Nonie Conda	
Billeting Preparation	Chairman: Mark John Olfino Co-Chairman: Jason Arias	
Accommodation and Hall Preparation	Chairman: Rolan P. Alianza Co-Chairman: Wilson P. Anza	
Sound System/AV/LED Equipment/Portable Speaker/Microphones w/ Stand/Projectors	Chairman: Charles Asagra Co-Chairman: Henry Benitez	
Opening Program	Chairman: Raul Bendian Co-Chairman: Erma Theresa Tabuena	
Closing Program	Chairman: Cecilia Pontuya Co-Chairman: Danilo Llarena/BNHS	
Secretariat Registration, Attendance, Score Sheets, Certificates, Judges, Medals and Plaque	Chozara P. Duroy Michelle Losañez	Jeanne Rachel R. Maquiñana; Mary Jenelyn M. Murillo Christine Lee B. Cruz; Ma. Estrella Z. Mesa Maryjoy B. Echaluze Criseida Burce Maribel Secretario
Meals (over-seer)		Production Team
Documentation/Production Team	Chairman: Nida D. Bernaldez Co-Chairman: Jireh F. Orobia	
Consolidation of Results	Loyd H. Botor Joy Chavez Hallen Montreal	
Awards and Recognition	Maria Cristina Baroso Michelle D. Losañez Jojo Apuli	
SRC Screening	Chozara P Duroy	
Over-All Look-See	Chozara P. Duroy	



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Enclosure 5

Supplementary Guidelines for Participating Divisions

1. Color-coding of Shirts will be followed during the Opening Program to wit:

Province SDO	Color	City SDO	Color
Albay	Grey	Iriga	Orange
Camarines Norte	Royal Blue	Naga	Navy Blue
Camarines Sur	Green	Ligao	White
Catanduanes	Light Yellow	Legazpi	Black
Masbate Province	Violet	Sorsogon	Red
Sorsogon Province	Bright Yello	Tabaco	Pink
		Masbate	Moss Green

2. Each delegation should prepare their division flags and a 15-20 seconds cheer to be presented during the opening program.

3. All posters/displays must be completed and set-up before the Opening Program. Late/incomplete displays will result in a deduction of points for the the Special Award for Best in Poster Display. Please ensure that no school or division names are included on the posters.



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