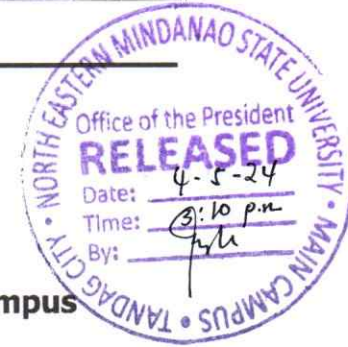




Republic of the Philippines  
**North Eastern Mindanao State University**  
Rosario, Tandag City, Surigao del Sur 8300  
Telefax No. 086-214-4221  
Website: [www.nemsu.edu.ph](http://www.nemsu.edu.ph)



**MEMORANDUM FROM THE OFFICE OF THE PRESIDENT**  
**No. 04 - 014, s. 2024**



**TO: Dr. Rolly G. Salvaleon - VPRE**  
**Dr. Erwin B. Berry - Director, R & D**  
**Mr. Harvey Kier O. Ranara - Faculty, Lianga Campus**

**SUBJECT: INVITATION TO THE 46TH ANNUAL REGIONAL SCIENTIFIC MEETING (RSM) BY THE NATIONAL ACADEMY OF SCIENCE AND TECHNOLOGY, PHILIPPINES (NAST PHL)**

**DATE: April 5, 2024**

The National Academy of Science and Technology, Philippines (NAST PHL) is set to convene its **46th Annual Regional Scientific Meeting (RSM) on May 8-9, 2024, in Cagayan de Oro City**, under the theme "**Beyond Farm Productivity: Transforming the Philippine Food System to Address Equity, Consumer Health, and Environmental Issues.**" This gathering aims to unite professionals across disciplines to address challenges in the Philippine food system.

In light of the significance of this event, North Eastern Mindanao State University (NEMSU) has been allocated three representatives to participate in the RSM. The delegated representatives are:

- **Dr. Rolly G. Salvaleon**
- **Dr. Erwin B. Berry**
- **Mr. Harvey Kier O. Ranara**

Attached to this memorandum, you will find the Program of Activities, Registration Forms, Participant Confirmation Form, and Guidelines for the Scientific Posters. The university highly values your prompt response and active participation as your contributions will significantly advance scholarly discourse and collaborative efforts to address crucial issues within the Philippines food system.

For any inquiries or assistance, refer to the enclosed documents in this memorandum.

For information and compliance.

Digitally signed by  
Loayon Nemesio Gallardo  
Date: 2024.04.05  
14:56:41 +0800

**NEMESIO G. LOAYON, PhD**  
SUC President III

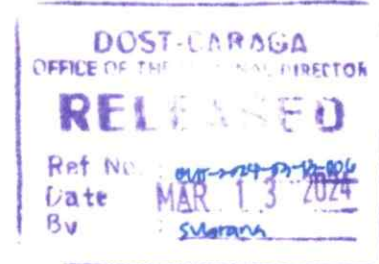
*Encl.:* Correspondence from DOST-Caraga  
2024 Mindanao RSM Program, Application Form, Confirmation Slip, and Call for Papers

*Cc:* Records Section  
Office of the VPRE



12 March 2024

**DR. NEMESIO G. LOAYON**  
President  
NEMSU  
Tandag City



Dear **Dr. Loayon**:

Greetings!

The National Academy of Science and Technology, Philippines (NAST PHL) will be conducting its 46th Annual Regional Scientific Meeting (RSM) on May 8-9, 2024 in Cagayan de Oro City (the exact venue to be announced). With the theme **“Beyond Farm Productivity: Transforming the Philippine Food System to Address Equity, Consumer Health, and Environmental Issues,”** the 46th RSM will assemble scientists, researchers, policymakers, and industry professionals to discuss the food system problem across various disciplines.

Aligned with this, we are extending an invitation for three (3) participants from your organization to join us at the upcoming event. Furthermore, may we request that those interested in participating in the Scientific Poster Session to submit their paper proposals via email at [elimprisco@gmail.com](mailto:elimprisco@gmail.com). All submissions will undergo evaluation by the Regional Technical Working Group, the top three selected finalists will represent Caraga at the RSM. Enclosed, are the Program of Activities, Registration Forms, Participant Confirmation Form, and the Guidelines for the Scientific Posters. We kindly ask for the submission of both the confirmation slips and Scientific Poster Session entries by April 5, 2024.

Should you require any further information or assistance, please do not hesitate to contact Engr. Emman Lliam L. Prisco through mobile phone number 0956-028-2941. Your positive response will be highly appreciated.

Thank you very much.

Very truly yours,

  
**ENGR. NOEL M. AJOC**  
Regional Director



NATIONAL ACADEMY OF SCIENCE AND TECHNOLOGY, PHILIPPINES

2024 MINDANAO REGIONAL SCIENTIFIC MEETING

8-9 May 2024, 9:00 AM - 4:00 PM

Cagayan de Oro

Theme: **Beyond Farm Productivity: Transforming the Philippine Food System to Address Equity, Consumer Health, and Environmental Issues**

PROVISIONAL PROGRAM

8 May 2024 (Wednesday, Day 1)		
8:30	Registration	
9:00	Launching of the Scientific Poster Session and Ribbon Cutting	<ul style="list-style-type: none"> <li>• DOST Secretary</li> <li>• NAST President</li> <li>• DOST RDs</li> </ul>
<b>OPENING CEREMONIES</b>		
9:15 (5 mins)	Entry of Colors	FROM DOST X
9:20 (5 mins)	National Anthem	FROM DOST X
9:25 (5 mins)	DOST Hymn	FROM DOST X
9:30 (10 mins)	Welcome Remarks	<b>ACD. JAIME C. MONTOYA</b> President NAST PHL
9:40 (10 mins)	Opening Remarks	<b>DR. RENATO U. SOLIDUM, JR.</b> Secretary Department of Science and Technology
9:50 (25 mins)	DOST Programs and Projects in Mindanao Cluster	<b>ENGR. ROMELA N. RATILLA</b> Regional Director DOST Regional Office X
10:15 (20 mins)	NAST Programs and Activities	<b>MS. LUNINGNING E. SAMARITA-DOMINGO</b> Director IV NAST PHL
10:35 (25 mins)	Overview of the Mindanao Regional Scientific Meeting	<b>ACD. JOSE MARIA P. BALMACEDA</b> Chair, Mathematical and Physical Sciences Division NAST PHL
11:00 (30 mins)	Keynote Address	<b>MR. MARK SULTAN P. GERSAVA</b> Chief Executive Officer, Bambuhay, Inc. Executive Member, National Innovation Council <a href="mailto:mdgersava@gmail.com">mdgersava@gmail.com</a>
11:30	Lunch	
	Viewing of Scientific Posters	
	Press Conference	Venue: <i>to be identified</i>
	MEETING: Scientific Poster Board of Judges	Venue: <i>to be identified</i>

	<b>Rapporteur</b>	OYS
	<b>ACD.</b> Member, Division NAST PHL <b>Moderator</b>	
4:00 PM	<b>End of RSM Day 1</b>	
	<b>MEETING: Resolutions Committee</b>	Venue: <i>to be identified</i>
6:00	<b>Dinner hosted by DOST Regional Office (by invitation only, venue to be identified)</b> <ul style="list-style-type: none"> <li>● Speakers, Moderators, Rapporteurs, Discussants</li> <li>● DOST Mindanao Cluster Regional Directors and Working Committee</li> <li>● NAST Members and Secretariat</li> </ul>	

<b>9 May 2024 (Thursday, Day 2)</b>		
8:30	<b>Registration</b>	
<b>PLENARY SESSION 3</b> <b>How can space technology and relevant Fourth Industrial Revolution technologies be used to transform the food system?</b>		
9:00 (30 mins)	<b>Precision Agriculture</b>	<b>MR. BERNARDINO J. BUENAOBRA</b> Manager on Plantation Geomatics Del Monte Philippines, Inc.
	<b>Precision Farming</b>	<b>CORRESPONDING MEMBER JOEL L. CUELLO</b> Member, Engineering Sciences and Technology Division NAST PHL
9:30 (30 mins)	<b>Innovative Aquaculture to Fire-up the Blue Economy in the Philippines</b>	<b>DR. RALPH G. TURINGAN</b> Professor Florida Institute of Technology
	<b>Large Farm Monitoring using Drones</b>	<b>DR. ANTON LOUISE P. DE OCAMPO</b> Assistant Professor Head, Electronic Systems Research Center Batangas State University
10:00 (10 mins)	<b>Discussants from Mindanao</b>	<b>DR. CARL JOHN O. SALAAN</b> Professor, College of Engineering and Technology Mindanao State University - Iligan Institute of Technology
		<i>(From matrix)</i> <b>MR. RENE PAMINTUAN</b> Chief Executive Officer Tuko Distribution, Inc.
		<b>BFAR</b>
10:10 (20 mins)	<b>OPEN FORUM</b>	



		<p>(From matrix)</p> <p><b>DR. LEO MANUEL B. ESTAÑA</b>  Assistant Professor  Department of Mathematics, Physics, and Computer Science  University of the Philippines Mindanao</p>
		<p>(From matrix)</p> <p><b>DR. VAL RANDOLF M. MADRID</b>  Associate Professor, Institute of Computer Science  University of the Philippines Los Baños</p>
2:00 (10 mins)	<b>Discussant/s from Mindanao</b>	
		<p><b>DR. RAQUEL D. SANTIAGO-ARENAS</b>  Vice Chancellor for Research and Extension  Mindanao State University - Maguindanao</p> <p><b>DR. MA-ANN M. CAMARIN</b>  College Dean  College of Fisheries and Aquatic Sciences  Mindanao State University - Marawi</p> <p><b>DR. RAMJIE Y. ODIN</b>  Professor VI, College of Fisheries  Project Leader, Crabs for Change  Mindanao State University - Maguindanao</p>
2:10 (20 mins)	<b>OPEN FORUM</b>	
	<b>Rapporteur</b>	OYS
	<p><b>ACD.</b>  Member, Division  NAST PHL  <b>Moderator</b></p>	
<b>CLOSING CEREMONIES</b>		
2:30	<b>Awarding Ceremony of the Best Scientific Poster</b>	<p><b>ACD. MANOLO G. MENA</b>  Chair, Board of Judges  Member, Engineering Sciences and Technology Division  NAST PHL</p>
2:45	<b>Intermission Number</b>	<i>FROM DOST X</i>
2:55	<b>Report on the Past Resolutions</b>	<p><b>MS. LUNINGNING E. SAMARITA-DOMINGO</b>  Director IV  NAST PHL</p>
3:10	<b>Presentation of Resolutions</b>	<p><b>ACD. FABIAN M. DAYRIT</b>  Chair, Mindanao RSM Resolutions Committee  Member, Division  NAST PHL</p>
3:25	<b>Response</b>	

Republic of the Philippines  
Department of Science and Technology  
National Academy of Science and Technology

**2024 Mindanao Regional Scientific Meeting**

**Theme: Beyond Farm Productivity: Transforming the Philippine food system to address equity, consumer health, and environmental issues**  
8-9 May 2024 | Cagayan de Oro and via Zoom

**CALL FOR PAPERS**

Author/s:

Main Author:

Presenting Author:

Affiliation:

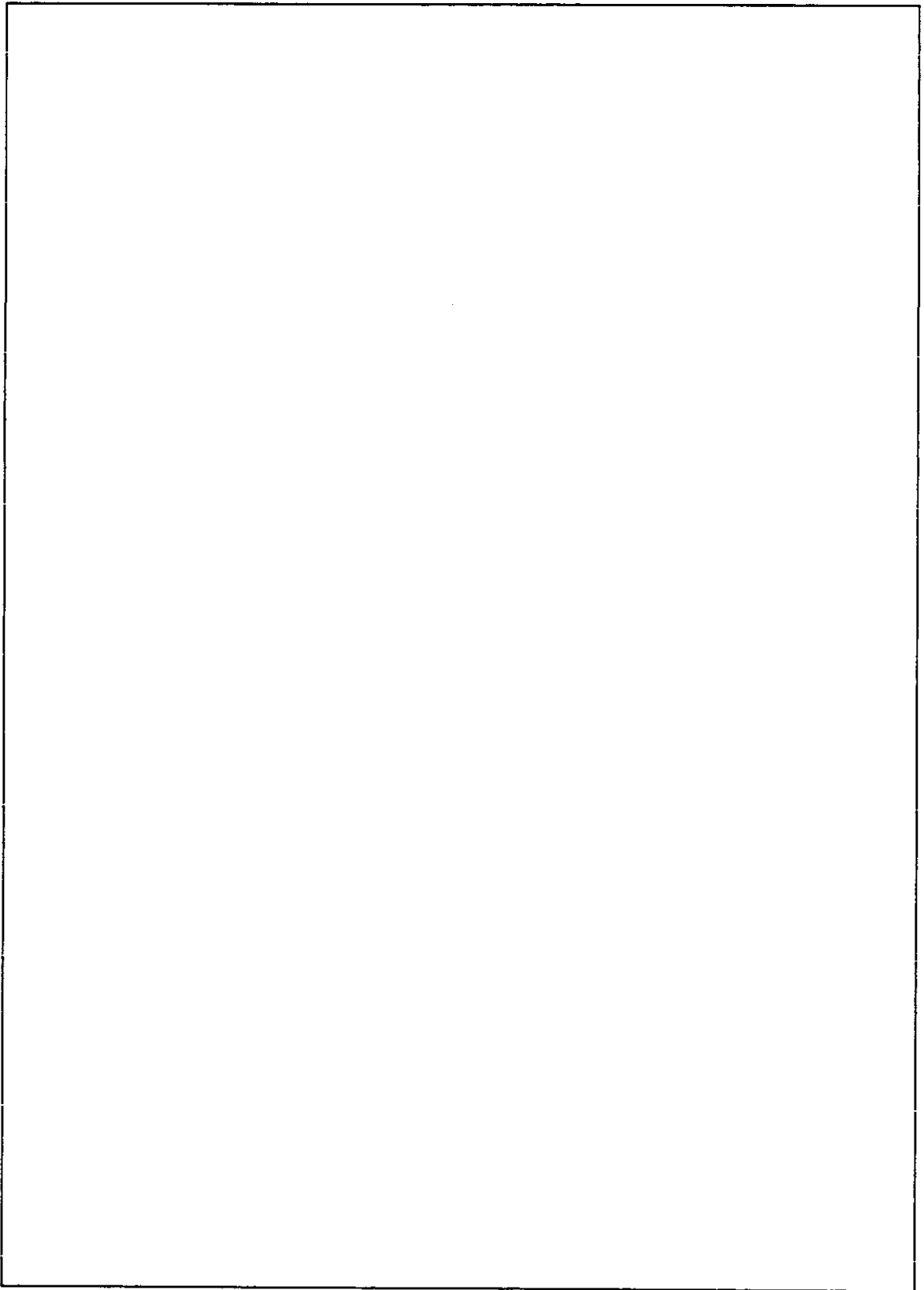
Title of Paper:

Contact Information

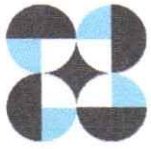
Telephone/Cellphone No:

Email address:

## Abstract







CONFIRMATION SLIP  
REGIONAL SCIENTIFIC MEETING  
May 8-9, 2024  
Cagayan de Oro City

Name	Designation	College / Unit

Endorsed by:

\_\_\_\_\_  
(Name and Signature)



## 2024 Mindanao Regional Scientific Meeting

**Theme: Beyond Farm Productivity: Transforming the Philippine food system to address equity, consumer health, and environmental issues**

8-9 May 2024 | Cagayan de Oro

### CALL FOR PAPERS

The National Academy of Science and Technology, Philippines (NAST PHL) and DOST Luzon Cluster are now accepting papers for the 2024 Mindanao Regional Scientific Meeting (RSM) Scientific Poster Session in line with this year's theme: **"Beyond Farm Productivity: Transforming the Philippine food system to address equity, consumer health, and environmental issues"**.

The papers must be: (a) original or have not been presented in any other forum, event or competition; (b) based at least on undergraduate thesis research, not based on high school science projects or class laboratory experiments; and (c) not based on preliminary data.

**Authors are requested to submit their abstracts at DOST Regional Offices not later than 5 April 2023. abstracts submitted in any other manner shall not be accepted.**

*The format specified below shall be followed:*

- Margin: Top and Bottom = 1 in; Right and Left = 0.75 in
- Font type: Times New Roman
- Title (centered, bold, upper and lower case, font size: 12)
- Author(s) (centered, upper and lower case, font size: 11); authors should use first and surname; with presenting author underlined and asterisk(s) indicating co-author(s); major/main author name in bold face
- Affiliation (centered, upper and lower case); if authors are from different institutions indicate with superscripts respective affiliations. Include the address of the presenting author to enable interested parties to contact the author; including telephone, fax, and e-mail.
- Abstract body (justified, font size: 11)
- Keywords (justified in lower case)
- Word format (97-2003 version)

**Guidelines in preparing abstracts**

1. The "Abstract" should fit in one page.
2. The "Introduction" part should contain the scope and purpose of the work in 2-3 short sentences only.
3. The "Experimental Approach" should be described briefly.
4. Only "Highlights of Results" should be presented, which should be quantitative if possible, or as the nature of the paper permits.
5. Uncommon acronyms should be spelled out the first time they are used; if several acronyms are used, they should be listed with their meanings at the end of the abstract.
6. Only major "Conclusions" should be stated.
7. No more than five keywords should be mentioned.