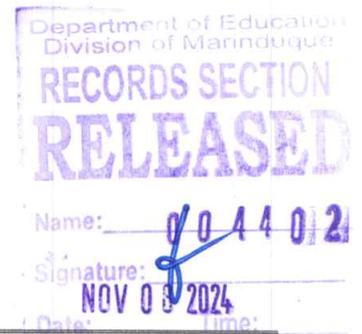




Republic of the Philippines
Department of Education
MIMAROPA REGION
SCHOOLS DIVISION OF MARINDUQUE



Office of the Schools Division Superintendent

DIVISION MEMORANDUM

TO: Assistant Schools Division Superintendent
Chief Education Supervisors
Public School District Supervisors
Public Elementary and Secondary School Heads
All Others Concerned

FROM: 
LYNN G. MENDOZA, EdD
OIC-Schools Division Superintendent

SUBJECT: **PARTICIPATION IN THE INTERNATIONAL TEACHER SURVEY ON GREEN AND SUSTAINABLE CHEMISTRY (GSC) PRACTICAL ACTIVITIES**

DATE: October 31, 2024

1. Attached is the unnumbered Regional Memorandum dated October 28, 2024, re: "PARTICIPATION IN THE INTERNATIONAL TEACHER SURVEY ON GREEN AND SUSTAINABLE CHEMISTRY (GSC) PRACTICAL ACTIVITIES", requesting the participation of the secondary science teachers to answer the survey through this link: <https://eschemistry.org/iupac-survey/>.
2. Immediate and wide dissemination of this Memorandum is desired.

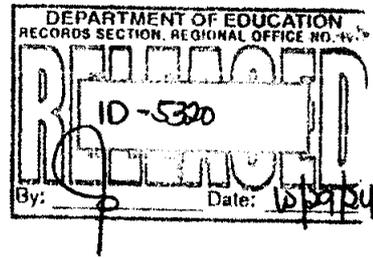
*"DepEd Marinduque: Heart of the Philippines.
Lead to Excel. Excel to Lead."*



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Republic of the Philippines
Department of Education
MIMAROPA REGION



Office of the Regional Director

REGIONAL MEMORANDUM

PPRD-2024-039

**TO : SCHOOLS DIVISION SUPERINTENDENTS
ALL OTHERS CONCERNED**

FROM : NICOLAS T. CAPULONG, PhD, CESO III
Director IV
Regional Director

**SUBJECT : PARTICIPATION IN THE INTERNATIONAL TEACHER SURVEY
ON GREEN AND SUSTAINABLE CHEMISTRY (GSC) PRACTICAL
ACTIVITIES**

DATE : October 28, 2024

Attached is Letter from University of the Philippines-College of Education dated October 22, 2024 regarding the invitation to participate in the International Teacher Survey on Green and Sustainable Chemistry (GSC) Practical Activities, under the auspices of the International Union of Pure and Applied Chemistry (IUPAC) Committee on Chemical Education.

This project aims to improve understanding of the use of practical work in high schools' chemistry classes.

This Office through the Policy, Planning and Research Division, request high schools' teachers teaching chemistry to answer the survey through this link: <https://eschemistry.org/iupac-survey/>.

For inquiries and clarifications, please contact Hazel Joyce M. Ramirez, Assistant Professor, UP College of Education thru hmramirez@up.edu.ph or 09778118698.

Immediate dissemination of and compliance with this Memorandum are desired.

PPRD/JME



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DIVISION OF CURRICULUM AND INSTRUCTION (DCI)

22 October 2024

DR. NICOLAS T. CAPULONG

Regional Director
Region IVB-MIMAROPA
Department of Education

Dear Dr. Capulong:

Greetings!

The undersigned would like to initiate a collaboration with your esteemed institution through participation in the *International Teacher Survey on Green and Sustainable Chemistry (GSC) Practical Activities*, under the auspices of the International Union of Pure and Applied Chemistry (IUPAC) Committee on Chemical Education.

The objective of this project is to improve understanding of the use of practical work in high school chemistry classes. This project involves a multi-country survey of secondary school chemistry teachers on their utilization of practical activities focused on green and sustainable chemistry. Research findings of this international research project could provide valuable information to equip chemistry educators on the integration of green and sustainable chemistry practices and activities.

In line with this, our team would like to respectfully request your official endorsement to disseminate the abovementioned survey to high school educators teaching chemistry in your region. The regional dissemination of the survey facilitates obtaining diverse perspectives from different areas in the country that could eventually lead to more generalizable insights.

The survey instrument is accessible through this link: <https://eschemistry.org/iupac-survey/>. I have also attached the sample survey questions and the publication material that can be used in the dissemination. I can share the soft copy of the pubmat for your dissemination. For more details, you may visit the website <https://eschemistry.org>.

It is with fervent hope to obtain your preferential attention and kind consideration of this request. In case you have questions or clarifications, please feel free to contact the undersigned at hramirez@up.edu.ph or +63 977 811 8698. Thank you very much.

Respectfully yours,


HAZEL JOYCE M. RAMIREZ
Assistant Professor, UP College of Education
Country Coordinator (Philippines), IUPAC Elements of Sustainable Chemistry

Sample questions

How often do you typically do each of the following in your chemistry teaching?

| Statement | More than once a week | Around once a week | Around once a month | A few times per year | Never |
|--|-----------------------|--------------------|---------------------|----------------------|-------|
| Have students perform chemistry experiments as a practical activity | | | | | |
| Have students interact with a computer simulation of a chemical process (e.g., PhET) | | | | | |

What factors prevent you from using chemistry practical activities more often in your class? Select all that apply.

Please indicate the importance of each of the following factors when choosing chemistry practical activities to do with your class (either demonstration or student-performed).

| Statement | Not at all important | Slightly important | Moderately important | Very important | Extremely important |
|--|----------------------|--------------------|----------------------|----------------|---------------------|
| The practical activity is clearly linked to local environmental issues | | | | | |
| Students have the opportunities to develop critical thinking and problem solving skills related to green and sustainable chemistry | | | | | |

Where do you normally obtain your chemistry practical activities related to green chemistry and/or sustainable chemistry? Select all that apply.

If you would like to use more practical activities related to sustainability, what additional resources would you require?

Pubmat



Elements for Sustainable Chemistry IUPAC Teacher Survey

The objective of this project is to improve understanding of the use of practical work in high school chemistry classes, in particular in relation to the integration of concepts of sustainability.



We invite you to participate in this survey if you have experience in teaching chemistry in high school.

<https://eschemistry.org/iupac-survey/iupac-survey/>

For inquiries, you may contact hmr Ramirez@up.edu.ph.