

RESEARCH EVENTS



The Research Events circuit is the series of research-related activities prepared by the Research Unit and/or the scholars with the aim of bringing their studies to the community. The logo to the left is the overarching symbol of the events circuit. The multicolored flame represents the multitude of activities the scholars undertake as embodied in each of the event logos. The interwoven circles represent the infinite possibilities in research. The logo itself is reminiscent of the PSHS logo, representing the values of truth, excellence, and service.

PAGBANTALA Hiligaynon "to inform"



PAGBANTALA 2022 is an oral presentation wherein Batch 2023 was able to impart their knowledge in their respective research studies. The event showed a glimpse of how researchers should present their studies effectively to a panel of experts. This event enabled students to hone their critical thinking and communication skills by defending their papers and providing feedback to the panelists.

PAGBALANDRA Hiligaynon "to show"



PAGBALANDRA 2022 is a poster presentation event that allowed Batch 2023 to showcase their research to the PSHSWVC community. Through this presentation, the audience was introduced to various areas of research. The event also allowed the batch to seek advice from the WVC's alumni to improve their research.

PAGHINUN-ANON Hiligaynon "to inquire"

PAGHINUN-ANON 2022 is the culminating event for Grade 11 Scholars. Work units composed of three members present their research proposal, with the panel of faculty members guiding the scholars in their proposed study as the students prepare to take the next step in their research journey.

PAHISAYOD Hiligaynon "to announce"



PAHISAYOD 2023 is a seminar-workshop where the batch showcased various skills and methods to fellow students. The seminar allowed the researchers to share their studies, and the workshop was where they taught the methods used. Through this, students were given the chance to learn important research skills that they may use in the future.

PAGWARAGWAG Hiligaynon "to broadcast"



PAGWARAGWAG 2023 is a community based science research congress that invited students from schools all across Iloilo. The event consisted of face-to-face oral presentations of the scholars' research projects, and seminar workshops that demonstrated methods used in the researchers' studies. The event aimed to serve as an avenue to spread scientific knowledge to the local community in a manner that the general public may understand.

PAINDIS-INDIS Hiligaynon "to compete"



PAINDIS-INDIS 2023 is a competition wherein each work unit from Batch 2023 submitted a cover page entry of their respective studies. This competition followed a rigid voting and selection process involving audiences from both inside and outside the PSHSWVC community. The winning entry would then be used as the next cover page for Pubscience Volume 6.

ILOILO STEM FAIR 2023

ILOILO STEM FAIR 2023 is a public event, partnering with "Innovate Iloilo" for our scholars to present their research to the mass audience in SM City Iloilo. The event resembled Pagbalandra and Pagwaragwag as researchers explained their posters and showed off their research through gimmicks and games for the audience to play and learn at the same time.

PAGSUGIDADON Hiligaynon "to report"

PAGSUGIDADON 2021 is the culminating event for Grade 10 scholars. Work units composed of five to six students presented their first research proposal to a panel of judges. This marks the students' first major research event and their initiation into the research process.

RESEARCH CONFERENCES

The authors of this volume wish to acknowledge the valuable opportunity provided by the following conferences and conventions, where select studies in this publication were presented. These platforms enabled constructive feedback, scholarly exchange, scientific communication for the masses, and a wider dissemination of the research findings.

Title of Conference	Date	Studies Participated
Philippine Science High School System (PSHSS) Science Research Convention 2022	November 23-26, 2022	1,2
2nd ISSAT International Conference on Data Science in Business, Finance and Industry	January 8-10, 2023	3
Philippine Science High School System (PSHSS) Science Research Summit 2023	April 24-28, 2023	1,2
Sihay National Biology Olympiad: Junior Life Science Research Olympiad	April 29 - May 1, 2023	4

Studies Participated

1. Post-harvest quality assessment of *Carica papaya* L. 'Red Lady' papaya coated with rice bran wax (RBW) (*Sendico et al.*)
2. Diesel oil sorption potential of sugarcane bagasse incorporated with human hair (*Repospolo et al.*)
3. Trend analysis of drought indicators in terms of rice yield for drought identification in a Type III Climate Area in Central Philippines (*Cerna et al.*)
4. Determining Forest Cover Change In National Greening Program Sites In A High Conservation Priority Area By Utilizing Remote Sensing Techniques (*Tolentino et al.*)

RESEARCH LIMITATIONS

The studies compiled in this journal share common methodological constraints that directly impacted the subsequent analysis and interpretation of results. A primary limitation was the frequent lack of specialized equipment and facilities, which forced compromises in experimental protocols. This was compounded by logistical hurdles, including those imposed by the COVID-19 pandemic, which restricted in-person data collection and access to laboratories. Furthermore, the unavailability of specific datasets and libraries limited the scope of statistical analysis and the consideration of additional variables. Consequently, the analytical depth of many studies was compromised by the inability to employ supplemental techniques that could have enhanced the mechanistic understanding of the phenomena.

These limitations, however, are not terminal but rather delineate a clear trajectory for future work. The recommendations put forward by the authors contribute to addressing the identified gaps. By building upon this foundational research with enhanced methodological rigor, future studies can achieve a more comprehensive and robust analysis.

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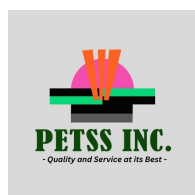
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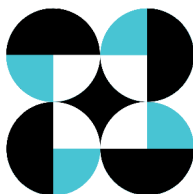
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ABOUT THE PSHS SYSTEM

MANDATE & PRIMARY FUNCTION

The Philippine Science High School System is a Service Institute of the Department of Science and Technology (DOST). It is dedicated to providing relevant secondary education with emphasis on science, technology, engineering, and mathematics and aimed at preparing students to become globally-competitive Filipino science and technology leaders and professionals imbued with core values of integrity, excellence, and service to the nation. Moreover, the PSHS System is committed to continual improvement and compliance to existing statutory and regulatory requirements.

VISION

We are the leading science high school in the Asia Pacific Region preparing our scholars to become globally competitive Filipino scientists equipped with 21st century skills and imbued with the core values of Integrity, Excellence and Service to the Nation.

MISSION

Advancing premier high school STEM education for the people.

The PSHS System's Strategic Plan for 2022-2028 and its corresponding goals and objectives are anchored on the WAY FORWARD Framework.



Perks of being a PSHS Scholar

- Recipient of premier secondary education specializing in Science, Technology, Engineering, and Mathematics (STEM).
- Science Immersion Program (SIP) – experience working in science and technology institutions, both on national and international programs
- SCALE (Service, Creativity, Action, and Leadership Program) – engagement in non-STEM fields to complement intensive STEM curriculum and develop well-rounded skills.
- Chance to participate in national and international science events and competitions
- Free tuition
- Monthly stipend
- Living Allowances
- Free loan of textbooks
- Dormitory accommodation
- Advanced school facilities

Admission Requirements

A grade 6 elementary pupil from a duly recognized school by the Department of Education who meets the following criteria is eligible to apply for the PSHSS National Competitive Examination (NCE).

- Final grade of **85% or better** in Science and Mathematics
 - **Filipino citizen** (with no pending applications)
 - Born **on or after** June 30, 2011 (for admission to S.Y. 2026-2027)
 - **Satisfactory** character rating
 - **First time** to apply for admission to PSHS
 - **Good health and fit to handle** the academic program
-
- Top 240 applicants nationwide – Principal Qualifiers and will be offered a slot to PSHS – Main Campus.
 - Top 90 or 120 applicants – Principal Qualifiers to PSHS Regional Campuses (depending on quota).

See more information at <https://pshs.edu.ph>