

# RESEARCH EVENTS

## **Pangsugidadon**

## **Pagbantala**

## **Pagbalandra**

Research 3

Pagbalandra, is the official poster presentation of Research 3. Coming from the word “balandra” which roughly translates to prominently display, this poster presentation is done to share the various studies of the Grade 12 scholars to the lower years of PSHS-WVC.

## **Research Seminar and Workshops**

Research 3

Research skills must be passed on among batches of scholars in order to continue the legacy of quality researches in PSHS-WVC. It is in this regard that Grade 12 scholars hold their research seminars, where they share their research studies and acquired research skills through workshops.

## **Pagwaragwag**

Research 3

Pagwaragwag, meaning “to broadcast”, is a novel science outreach program where studies from research students of PSHS-WVC are presented to public school students from various provinces in Western Visayas. The event aims to expose the scholars in scientific communication, emphasize the impact of their research studies, and inspire the participants to engage in the field of STEM research.

# RESEARCH CONFERENCES

Title of Conference	Date	Studies Participated
Philippine Science High School Research Summit	28-30 September 2018	1, 2, 3
Science Castle Singapore	2-3 November 2018	2, 3, 4
45th Annual Convention of the Philippine Society of Biochemistry and Molecular Biology	28-29 November 2018	5, 6
Regional BIOTA Research Fair	23 February 2019	6
Project BT: National Junior Research Conference	23-25 February 2019	1, 4
12th Asian Fisheries and Aquaculture Forum	9-11 April 2019	5
Physics Olympics	10-13 April 2019	2, 10, 11, 12, 13, 14
Iloilo International Conference on Advanced Natural Products Technologies (I2CANProTech)	28-30 April 2019	1, 7, 8, 9

## Studies Participated

1. Antagonistic effects of root exudates of different *Allium* species on *Fusarium oxysporum f. sp. cubense* (Alogon et al.)
2. Determination of reflectivity of concrete slabs applied with paint with powdered *Placuna placenta* shell additive (Apdon et al.)
3. Larvicidal activity of individual and combined ethanolic extracts of *Annona muricata* seed and *Piper betle* leaf against *Aedes aegypti* (Grande et al.)
4. Improving the growth of cherry tomatoes (*Solanum lycopersicum L. var. cerasiforme*) using irradiated carrageenan (Pamati-an et al.)
5. Immune response of *Litopenaeus vannamei* juveniles immersed in *Gracilariopsis heteroclada* hot-water extract (Yap et al.)
6. DNA barcoding of molluscs (*Bivalvia*) in Roxas City, Capiz, Philippines (Areno et al.)
7. Comparison of biofilm dispersal effects and structural matrix damage of Fenton's reagent and DNase on *Staphylococcus aureus* biofilm (Andrada et al.)
8. Evaluation of antioxidant activity of biosynthesized silver nanoparticles and *Annona muricata* extract (Sobretudo et al.)
9. Effects of bacteria, *Rhodobacter sphaeroides*, on HAB-causing dinoflagellate, *Amphidinium carterae* (Serra et al.)
10. Fygo: An Automated Dormitory Leave Pass Mobile Application For Philippine Science High School - Western Visayas Dormitories Using Thinkable (Roxas et al.)
11. Influences of Dye pH on the Performance of Dye-Sensitized Solar Cells using natural dye extracted from Blue ternate (*Clitoria ternatea*) (Esteria et al.)
12. Comparison of the Cavitation Activity of Ethanol and Acetic Acid as Cleaning Solution for Ultrasonic Cleaning (Imbang et al.)
13. Profiling the mechanical properties of *Adonidia merrillii* leaf sheath (Aguilar et al.)
14. Development of gait-powered active thermoregulatory insole using thermoelectric module (TEC) powered by lead zirconate titanate (PZT) piezoelectric discs (Geraldez et al.)

The data gathering involves various process of which the human and material resources of PSHS-WVC may not be sufficient. Batch 2019 would like to express gratitude to the following institutions that allowed the use of their facilities and extending their help in the conduct of their research.

## **INSTITUTIONAL PARTNERS**

**Central Philippine University (CPU)**

**De La Salle University - Manila**

**Department of Agriculture - Region VI**

**Department of Science and Technology -  
Region VI**

**Department of Public Works and  
Highways - Region 6 (DPWH 6)**

**Dole Philippines, Inc. (Stanfilco Division)  
- Davao**

**Far Eastern University - Manila**

**Industrial Technology Development  
Institute (ITDI)**

**Packaging Engineering Department -  
Iloilo**

**Philippine Nuclear Research Institute**

**Philippine Red Cross - Iloilo Chapter**

**Philippine Science High School - Southern  
Mindanao Campus**

**Southeast Asian Fisheries Development  
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**The Medical City**

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