

**COLLEGE OF TECHNOLOGY AND ALLIED SCIENCES**

**SUMMARY OF RESEARCH & PUBLICATION**

<b>2022 Local In-house review in BISU Clarin</b>	<b>Title of completed studies</b>	<b>Presenters</b>	<b>Date of the Presentation</b>
1	Online Distance Learning and Well-Being of Faculty with Designation in Bohol Island State University	Jonathan V. Oludin	September 16, 2022
2	Vision-based Real-time Disaster Recognition Monitoring using Raspberry Pi and Deep Learning Model	Daryl B. Valdez Rey Anthony G. Godmalin Engr. Allan Josephus M. Bunga	September 16, 2022
3	Integration of K-means Algorithm and Elbow Method in Clustering Bivalves Species	Alme B. Maravillas	September 16, 2022
4	Marinebank: Biodiversity Repository System in Silo-siloan Islet	Alme B. Maravillas, Ariel Christian C. Viodor, Daryl B. Valdez, Margie V. Avenido & Jemma Lucitte Cabrillos	September 16, 2022
5	Growth of Mangroves in Different Indigenous Pests: Integrated Restoration in Management Plan	Margie V. Avenido	September 16, 2022
6	Literacy Devices in Edgar Allan Poe's Crime Stories: An Analysis	Grethyl Ann O. Nodalo	September 16, 2022

<b>2022 R&amp;D Colloquium at BISU Main</b>	<b>Title of completed studies</b>	<b>Presenters</b>	<b>Date of the Presentation</b>
1	Marinebank: Biodiversity Repository System in Silo-siloan Islet	Alme B. Maravillas, Ariel Christian C. Viodor, Daryl B. Valdez, Margie V. Avenido & Jemma Lucitte Cabrillos	September 21-22, 2022
2	Growth of Mangroves in Different Indigenous Pests: Integrated Restoration in Management Plan	Margie V. Avenido	September 21-22, 2022
3	Vision-based Real-time Disaster Recognition Monitoring using Raspberry Pi and Deep Learning Model	Daryl B. Valdez Rey Anthony G. Godmalin Engr. Allan Josephus M. Bunga	September 21-22, 2022

<b>2022 Regional R&amp;D Symposium</b>	<b>Title of completed studies</b>	<b>Presenters</b>	<b>Date of the Presentation</b>
1	Marinebank: Biodiversity Repository System in Silo-siloan Islet	Alme B. Maravillas, Ariel Christian C. Viodor, Daryl B. Valdez, Margie V. Avenido & Jemma Lucitte Cabrillos	October 26-27, 2022
2	Growth of Mangroves in Different Indigenous Pests: Integrated Restoration in Management Plan	Margie V. Avenido	October 26-27, 2022

<b>2022 Published Articles</b>	<b>Title of completed studies/paper</b>	<b>Publication Journal with ISSN/vol.no.</b>	<b>Author/authors</b>
1			
2			
<b>2021 Published Articles</b>	<b>Title of completed studies/paper</b>	<b>Publication Journal with ISSN/vol.no (Include all journals whether local/national/international)</b>	<b>Author/authors</b>
1	The Acceptability of System in Assessing the Student's Log using Image Processing	International Journal of Advanced Engineering, Management and Science (IJAEMS)(ISSN : 2454-1311): Vol-7 , Issue-1 ,Pg.: 46-50, January 2021	Alme B. Maravillas
2	Deep Learning Approach of Recognizing Natural Disasters on Images Using Convolutional Neural Network and Transfer Learning	ACM Digital Library: December 2021 Article No.: 4Pages 1–7 <a href="https://doi.org/10.1145/3487923.3487927">https://doi.org/10.1145/3487923.3487927</a>	Rey Anthony G. Godmalin / Daryl B. Valdez
3	Technology Needs Assessment of New Normal Education in Public Elementary School in Clarin	International Journal of English Literature and Social Sciences Vol-6, Issue-6; Nov-Dec, 2021	Alme B. Maravillas
4	Clustering of Learners based on Readiness to Online Modality using K-means Algorithm	International Journal of Advanced Engineering, Management and Science (IJAEMS)	Rey Anthony G. Godmalin / Daryl B. Valdez

<b>2020 Published Articles</b>	<b>Title of completed studies/paper</b>	<b>Publication Journal with ISSN/vol.no(Include all journals whether local/national/international)</b>	<b>Author/authors</b>
1	Factors Influencing Homosexuality in Men: A Term Paper	International Journal of English Literature and Social Sciences, 5(6): Nov-Dec 2020	By: Margie V. Avenido
2			
3			

<b>2019 Published Articles</b>	<b>Title of completed studies/paper</b>	<b>Publication Journal with ISSN/vol.no(Include all journals whether local/national/international)</b>	<b>Author/authors</b>
1	Biodiversity Assessment of Corals Species Present in Mangrove Ecosystems of Silo-Siloan Islet, Clarin, Bohol, Philippines	International Journal of Agriculture and Biological Sciences: Vol. 3, Issue 2, pp. 16-21	Margie Avenido Ramil S. Bulilan Jemma Lucitte Cabrillos Kindy Juanich Romar B. Dinoy Blandina Ombajin Nestor Balicoco Rosalinda Bautista
2	Species Composition, Cluster Analysis and Distribution of Bivalves Present in Bohol, Philippines	International Journal of Novel Research in Humanity and Social Sciences Vol. 6, Issue 2, pp: (68-75), Month: March - April 2019 ISSN 2394-9694	Margie Avenido
3	Density Biomass and Distribution of <i>Alpheus macellarius</i> (Chace 1988) in Clarin, Bohol	International Journal of Agriculture and Biological Sciences-ISSN (2522-6584) Nov & Dec 2019	Jemma Lucitte A. Cabrillos
4	(1,2) Double Domination in Graphs	Advances and Applications in Discrete Mathematics <a href="https://dx.doi.org/10.17654/DM26010053">https://dx.doi.org/10.17654/DM26010053</a>	Jonathan Oludin
5	Mobile Grade Viewing System of Bohol State University- Clarin Campus (MOGVI)	AJOMRE 2019	Rey Anthony G. Godmalin, et al.
6	my BISU: A Mobile Approach To Student Grades Evaluation	AJOMRE 2019	Daryl B. Valdez, et al.

7	Allelopathic Effects of Three Intertidal Marine Macrophytes on the Growth of <i>Nanochlorum</i> sp	Journal of Environmental Science and Management , Volume 22, Issue 1	Jemma Lucitte A. Cabrillos
8	Dendrogram and Distribution of Bivalves Present in mangroves and Seagrass ecosystem of Clarin, Tubigon, and Calape Bohol Philippines	International Journal of Novel Research in Humanity and Social Science	Margie Avenido
9	Species Composition and relative abundance of aspidochirote holothurians in Panglao, Bohol, Philippines	Journal of Entomology and Zoology Studies, 7(3), 1274-1276	Margie Avenido