



"For Nation's Greater Heights"

Republic of the Philippines  
**SURIGAO STATE COLLEGE OF TECHNOLOGY**  
Narciso Street, Surigao City



02 May 2022

**DR. GREGORIO Z. GAMBOA, JR.**  
SUC President III  
This College

Dear Sir:

Greetings of good health and well- being!

The undersigned would like to inform your office that her research paper entitled "*Morphometry and Allometry of Thalamita crenata from Siargao Island, Philippines: A Preliminary Assessment*" has been accepted for online oral paper presentation in the non-competing category of the 39<sup>th</sup> Symposium and Annual Meeting of the Association of Systematic Biologists of the Philippines this upcoming May 31 – June 2, 2022 to be held online via Zoom.

To make her participation possible, she would like to request for the issuance of memo to officially document her participation to the said event. Attached in the acceptance letter and the research paper abstract.

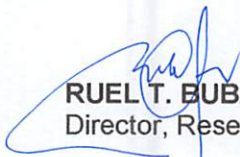
May this request merit your kind consideration and approval.

Thank you very much.


Sincerely,

  
**LOUELLA S. DEGAMON**  
Director, International Affairs Office

Noted by:

  
**RUEL T. BUBA**  
Director, Research Development

Recommending Approval:

  
**MAURICIO S. ADLAON, PhD**  
Vice – President, RDE

Approved: \_\_\_\_\_, 2022

**GREGORIO Z. GAMBOA, JR., EdD**  
SUC President III



## **Association of Systematic Biologists of the Philippines**

(SEC Registered: Association of Philippine Taxonomists, Inc.)

Aquatic Biology Laboratory 1, Central Laboratory Bldg.

University of Santo Tomas, Manila, Philippines 1015

[www.asbp.org.ph](http://www.asbp.org.ph)

May 1, 2022

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**LOUELLA S. DEGAMON**  
Surigao State College of Technology

Dear Authors:

We are pleased to inform you that your presentation entitled

**Morphometry and Allometry of *Thalamita Crenata* from Siargao Island,  
Philippines: A Preliminary Assessment**

prepared by

*Louella S. Degamon \*, Charlito R. Aligado, Loujane Gray R. Mero, Prim  
Ross L. Eng, Rechel F. Menoria, and Jess H. Jumawan*

is accepted for ORAL PRESENTATION in the **Non-competing category** of the 39th Symposium and Annual Meeting of the Association of Systematic Biologists of the Philippines this upcoming May 31 - June 2, 2022 held online via Zoom.

Please check the Abstract for any comments from the reviewers and address their comments. Kindly return the revised Abstract within seven days.

Your presentation has been assigned as **OP-C no. 08**. **Please thoroughly read the oral presentation (non-competing) guidelines attached to this correspondence.**

For any questions and concerns, please feel free to get in touch with us through email at [secretariat.asbp@gmail.com](mailto:secretariat.asbp@gmail.com).

Sincerely,

**AXEL H. ARRIOLA, PH.D.**  
ASBP President





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### **GUIDELINES FOR ORAL PRESENTATION**

This will be the first fully online ASBP Symposium and Annual Meeting. Let us make history! With that in mind, there are distinct changes we need to implement to make our online symposium a success. **Please read through these carefully:**

1. Oral presentation authors (non-competing) are expected to a **10-minute (max.) pre-recorded video** in MP4 format.

The MP4 file can be saved by using the “record” function of ZOOM. In the video, please open your camera as presenter and navigate through your online poster via “share screen” option. You may opt to see an online tutorial by clicking [here](#).

2. If less than 25 MB, the MP4 video may be emailed directly. But if it is more than 25 MB, the authors may opt to send the file via free large file transfer services, such as [WeTransfer](#) or [Google Drive](#) (click on link for a tutorial).

Using either process, email the details to **[secretariat.asbp@gmail.com](mailto:secretariat.asbp@gmail.com)** with Subject: ASBP 2022 Oral Presentation/OP-C No. <designated # in acceptance letter>.

3. Submission deadline for emailing the video file is on **May 27, 2022** until 11:59 PM. This is to allow the organizers to prepare the files for the symposium. The session facilitator can only play your pre-recorded presentation video after confirming your presence at the assigned session. Any no shows or absences in presentation of the accepted abstracts will not be published in the final conference proceedings, certificates, etc.
4. These prerecorded videos will be played in specific schedules, which will be provided to the authors a few days before the event. The presenting author must be present in the specific Zoom room where their assigned talk is being played. They must then be present for the Q&A portion of the parallel session.

The videos will also be archived in the ASBP YouTube account. *If you have concerns regarding the potential breach of unpublished data, please email us to notify your refusal at [secretariat.asbp@gmail.com](mailto:secretariat.asbp@gmail.com) and we will NOT release your video in YouTube.*

# **MORPHOMETRY AND ALLOMETRY OF *Thalamita Crenata* FROM SIARGAO ISLAND, PHILIPPINES: A PRELIMINARY ASSESSMENT**

**Louella S. Degamon \* <sup>1</sup>, Charlito R. Aligado <sup>2</sup>, Loujane Gray R. Mero <sup>3</sup>,  
Prim Ross L. Eng <sup>4</sup>, Rechel F. Menoria <sup>5</sup>, and Jess H. Jumawan <sup>6</sup>**

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**\*Corresponding author: ldegamon@ssct.edu.ph**

## **Abstract**

This study aimed to determine the interrelationships of morphometric characters of *Thalamita crenata* from the mangrove habitat of Del Carmen, Siargao Island, Philippines. There were 103 crab species utilized in the study, 58 females and 45 males. Results revealed that *T. crenata* has a body weight range of 12.47 to 67.74 g for females and 14.44 to 86.04g in males. The carapace length ranges from 2.77 to 4.83 cm for females and 2.86 to 4.93 cm for males. As to carapace width, it ranges from 2.28 to 6.91 cm for females while 4.08 to 7.26 cm for males. In terms of growth pattern, it exhibited an allometric growth pattern. This means that the increase in body weight of *T. crenata* was closely related to its increase in length and in width of the carapace as the  $r^2$  values were  $> 0.9$ . A negative allometric pattern ( $b < 3$ ) was observed among all morphometric characters. Sex ratio was 1:0.78. This documented information on the interrelationships of morphometric characters of *T. crenata* crab species could be used as a baseline for possible aquaculture cultivation, sustainable fishery management of the resource, particularly in the Caraga region, and future comparative studies of the same species across temporal and spatial distribution in the Philippines and other countries.

**Keywords:** *allometric growth pattern, crenate swimming crab, T. crenata*