



BIOTA BICOL CHAPTER

~BICOL CHAPTER~

Philippine Science High School – Bicol Region Campus
Brgy. Tagongtong, Goa, Camarines Sur 4422

OFFICERS 2023 – 2025

President

Maria Felician Benita M. Eloreta, PhD
(Philippine Science High School – Bicol Region Campus)
mfelician2@gmail.com
0999 336 2853

Vice President

Alicia C. Naag
(Naga City Science High School)
alicia.naag1997@deped.gov.ph
0963 031 0859

Corresponding Secretary

Jhetto Arthur M. Cledera
(PSHS – Bicol Region Campus)
jcledera@psbs.edu.ph

Recording Secretary

Katrina G. Gepilano, RN, MAN
(Central Bicol State University of Agriculture)
katgopilano@gmail.com

Treasurer

Hannah Fe A. Emilia
(PSHS – Bicol Region Campus)
hfeam@psbs.edu.ph

Auditor

Kathleen S. Tindoy, LPT
(Camarines Norte State College)
tindoykathleen@gmail.com

P.I.O.

May G. Esquejo, LPT
(Central Bicol State University of Agriculture)
mayesquejo@cbbsua.edu.ph

Ex-Officio

Melinda P. Pan, PhD
(Central Bicol State University of Agriculture)
melindapan@cbbsua.edu.ph

Board of Directors (BE)

Diana Mae U. Ponce, LPT
(University of Santo Tomas – Legazpi)
dianaponce@ustm.edu.ph

Thomas B. Templanuevo
(St. Bridget School of Buhi)
templanuevo@stb.edu.ph

Maricel F. Moraleda, PhD
(Goa National High School)
maricel@gnhs.edu.ph

Maricel F. Moraleda, PhD
(Goa National High School)
maricel@gnhs.edu.ph

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March 4, 2024

Dear Sir/Madam:

Greetings!

We are pleased to inform you that the Bicol Chapter of Biology Teachers Association of the Philippines (BIOTA) in cooperation with the College of Art & Science of the University of Nueva Caceres (UNC) will be holding the **1st Regional Biology Quiz Bee** on **April 13, 2024** (Saturday) from 8:00am to 4:00pm. The expected participants are Grade 9 – 12 students and B.S. Biology students Year 1 – 3 from different secondary and tertiary schools in the Bicol region, respectively.

In view of this, you are hereby invited to participate in the aforementioned activity. The aim of this competition is to promote the relevance of Biology education as a life science subject in the country's growth and development, as well as to inspire the youth to become scientists in the future. This also seeks to stimulate intellectual interaction and companionship between participating students and teachers.

The winning teams will be awarded medals, certificates for the contestants and coach, and cash prizes:

- 1st Place – Php 4,500.00
- 2nd Place – Php 3,000.00
- 3rd Place – Php 1,500.00

A registration fee of Php 1,000.00 per team of 3 students and 1 coach is required upon signing-up. Attached herewith is the Contest Mechanics for your reference. If interested, all student participants and teacher coaches should individually fill out the Google Form (Link: https://bit.ly/Reg_8thQBee) on or before March 22, 2024.

Thank you very much.

Respectfully yours,

MARIA FELICIANA BENITA M. ELORETA, PhD
President, BIOTA-Bicol Chapter



[Biota-phil_Bicol Chapter](https://www.facebook.com/biota-phil_bicolchapter)



biota@bicolchapter.1326@gmail.com



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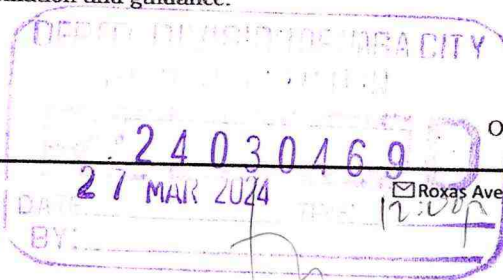
TANGGAPAN NG SANGAY NG MGA PAARALAN NG LUNGSOD NAGA

March 27, 2024

To: Assistant Schools Division Superintendent
Chief Education Supervisors
CID and SGOD Personnel
Private and Public Secondary School Heads
All Others Concerned

Participation is on voluntary basis only.

For information and guidance.



FERNANDO C. MACARAIG
Asst. Schools Division Superintendent
Officer-in-Charge
Office of the Schools Division Superintendent

DM 31, s. 2019 Rider Rev. 01



Roxas Avenue, Brgy. Triangulo, Naga City, Camarines Sur

0981 630 0070

naga.city@deped.gov.ph





BIOLOGY TEACHERS ASSOCIATION OF THE PHILIPPINES, INC.

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Diana Mae U. Ponce, LPT
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dianamae.ponce@ust-legazpi.edu.ph

Thomas B. Templonuevo
(St. Bridget School of Buhi)
thontemplonuevo@gmail.com

Maricel F. Moraleda, PhD
(Goa National High School)
maricelmoraleda@gmail.com

Board of Directors (HE)

Aiza L. Castañeda, MSES
(Camarines Norte State College)
azacastaneda@cnsc.edu.ph

Mary Grace B. Polvoriza, MAEd
(Central Bicol State University of Agriculture)
marygrace.polvoriza@cbsua.edu.ph

Nestor L. Lasala, Jr.
(Sorsogon State University)
nestorlasala@ssu.edu.ph

Catherine B. Guarbes
(Camarines Sur Polytechnic Colleges)
cathguarbes@cpsc.edu.ph

March 4, 2024

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Greetings!

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In view of this, you are hereby invited to participate in the aforementioned activity. The aim of this competition is to promote the relevance of Biology education as a life science subject in the country's growth and development, as well as to inspire the youth to become scientists in the future. This also seeks to stimulate intellectual interaction and companionship between participating students and teachers.

The winning teams will be awarded medals, certificates for the contestants and coach, and cash prizes:

- 1st Place – Php 4,500.00
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A registration fee of Php 1,000.00 per team of 3 students and 1 coach is required upon signing-up. Attached herewith is the Contest Mechanics for your reference. If interested, all student participants and teacher coaches should individually fill out the Google Form (Link: https://bit.ly/Reg_8thQBee) on or before March 22, 2024.

Thank you very much.

Respectfully yours,

MARIA FELICIANA BENITA M. ELORETA, PhD
President, BIOTA-Bicol Chapter



[Biota-phils Bicol Chapter](#)



biotabicolchapter.1996@gmail.com

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in cooperation with
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1ST REGIONAL BIOLOGY QUIZ BEE

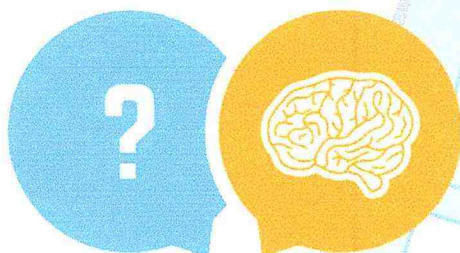
Do you have what it takes to be the ultimate quiz champion? Then, gather your friends and join us for the annual BIOTA Bicol Chapter Biology Quiz Bee. This is your chance to show off your knowledge and have fun in a friendly competition.



Saturday, 13 April 2024
8 AM - 4 PM



UNC GYMNASIUM
J. Hernandez Avenue, Naga City, Camarines Sur



JOIN NOW

https://bit.ly/Reg_8thQBee



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Saturday, 13 April 2024
8 AM - 4 PM



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Mechanics and Guidelines





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The Bicol Chapter of Biology Teachers Association of the Philippines, Inc. (BIOTA-Bicol Chapter), in cooperation with the University of Nueva Caceres (UNC) College of Arts & Sciences, presents the **1st Regional Biology Quiz Bee** on **April 13, 2024** (Saturday) at **UNC, Naga City**.

The competition has **two categories**:

- (1) Secondary Category; and
- (2) Tertiary Category

This competition aims to promote intellectual excellence in the different branches of Biology while stimulating healthy academic interaction and camaraderie among participating schools in the secondary and tertiary levels. Through this competition, BIOTA-Bicol Chapter hopes to inspire the youth to become scientists in the future, thereby helping in the country's growth and development in the long run. Likewise, the Quiz Bee will also feature a **Symposium for the coaches** to be better hone their mentoring skills and open avenues for inter-school collaboration.

Winning teams will be awarded medals, certificates for the contestants and coaches, and cash prizes: **1st Place**: Php 4,500.00; **2nd Place**: Php 3,000.00; and **3rd Place**: Php 1,500.00.



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I. Team Composition

1. All bonafide students currently enrolled in any private and public senior high school and tertiary schools may join the contest. Proof of official enrollment/school affiliation shall be submitted upon registration of teams.
2. Each team shall be composed of three (3) regular contestants and one (1) official coach.
3. For the Secondary Category, each team may be composed of students from Grades 9 to 12. Each school may send a maximum of three (3) competing teams.
4. For the Tertiary Category, each team may be composed of BS Biology 1st to 3rd year students. Each school may send a maximum of three (3) competing teams.



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II. Registration Process



1. Each participating team shall pay a registration fee of P 1,000.00.
2. Payment shall be made via GCash:
Hannah Fe A. Emila
BIOTA-Bicol Chapter Treasurer
0945-834-4117
3. The teams shall register their team composition, proofs of institutional affiliation, and proof of payment via https://bit.ly/Reg_8thQBee.
4. Deadline for payment and registration is on March 22, 2024. No on-site payment and registration will be accepted.



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III. General Rules

1. Contestants and coaches shall wear their complete school uniform during the Quiz Bee.
2. The Quiz Bees for the Secondary Category and Tertiary Category shall be held simultaneously in two separate venues inside UNC.
3. The contestants should be at their competition venue fifteen (15) minutes before the start of every competition round. A ten (10) minute grace period may be permitted by the organizers, after which immediate disqualification shall be enforced to the teams with incomplete members.
4. Student participants are not allowed go out of UNC for the entire duration of the Quiz Bee, unless for very important purposes as coordinated with the Quiz Bee Organizers.
5. The participating teams shall bring their own packed lunch in the venue. Snacks for the student participants and coaches will be provided by the Quiz Bee Organizers.



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III. General Rules

6. The 1st Regional Biology Quiz Bee shall be divided into two (2) rounds: Elimination Round and Championship Round.
7. The Elimination Round for the Secondary Category shall be composed of a written exam and a skills challenge.
8. The Elimination Round for Tertiary Category shall be in the form of a written exam.
9. The Top 10 Teams for both Categories shall advance to the Championship Round, which shall be divided into three (3) rounds: Easy, Average and Difficult Rounds.
10. Clarifications regarding the rules of the competition shall only be entertained by the Quiz Bee Organizers before the start of the Elimination Round.



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IV. Elimination Round

A. Written Examination

1. The written exam for the Elimination Round shall be individually taken by all three (3) team members.
2. The contestants shall bring only their own black or blue ballpens. Answer sheets and scratch papers shall be provided by the Quiz Bee Organizers.
3. Calculators, conversion tables, and the like are NOT allowed during the contest.
4. Any form of cheating shall automatically disqualify the team from the entire competition.
5. The contestants are given a maximum of one (1) hour to finish the written exam.
6. Any questions or concerns during the written exam may be addressed to the proctors.
7. The written exam coverage are as follows:

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IV. Elimination Round

Secondary Category:

1. Cell Biology (General features of cells, Membrane Structure and Transport, Enzymes, Metabolism, and Cellular Respiration, Photosynthesis; Cell Communication and Regulation of the Cell Cycle)
2. Genetics (Nucleic acid structure and DNA replication, Gene expression at the molecular level, Gene regulation, Mutation, DNA Repair and Cancer, Eukaryotic chromosomes; Mitosis and meiosis, Simple patterns of inheritance; Complex patterns of inheritance; Genetic technology; Genomes, proteomes, and Bioinformatics)
3. Evolution (History of life; Origin of species; Taxonomy and systematics)
4. Plant and Animal Biology (Plants: behavior, nutrition, transport and reproduction; Animals: body systems and development)
5. Ecology (Species interactions; Population, species, community and ecosystems ecology; Biodiversity conservation).

IV. Elimination Round

Tertiary Category:

1. General Botany
2. General Zoology
3. General Ecology
4. Microbiology
5. General Physiology
6. Systematics
7. Evolutionary Biology
8. Genetics
9. Cell & Molecular Biology
10. Developmental Biology



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IV. Elimination Round

A. Written Examination

8. The individual scores of the team members shall be averaged to form the team score.
9. For the Tertiary Category, the Top 10 Teams based on the team scores shall proceed to the Championship Round.
10. In the event of a tie, the team with the higher combined score of their team's Top 2 scorers shall be placed higher in the ranking.
11. For the Secondary Category, the Written Exam team score shall comprise 60% of the overall Elimination Round score of the competing team.



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IV. Elimination Round

B. Skills Challenge for Secondary Category

1. The Skills Challenge portion of the Eliminations Round shall take place after the 15-minute break post-written exams.
2. The stations of the Skills Challenge shall be taken as a team.
3. There will be a total of four (4) stations that each team will have to go through, namely: (1) Microscopy; (2) Genetics Puzzle; (3) Karyotyping; (4) Replication to Transcription. The mechanics of each station will be written by the station sponsors.
4. The teams are given a maximum of 20 minutes to complete each station.
5. In every station, each team shall be graded based on their proficiency in conducting the experiments on a scale of one to twenty (1-20).
6. The team's scores for all 4 stations shall be averaged and shall comprise 40% of their overall Elimination Round score.
7. The Top 10 SHS Teams based on their overall Elimination Round scores shall proceed to the Championship Round.
8. In the event of a tie, the team with the higher combined score of their team's Top 2 written exam scorers shall be placed higher in the ranking.



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V. Championship Round

1. The results of the Elimination Round shall be announced minutes before the Championship Round.
2. The Top 10 Teams for both Categories shall advance to the Championship Round, which shall be divided into three (3) rounds: Easy, Average and Difficult Rounds.
3. The EASY Round consists of TEN (10) questions worth ONE (1) point each.
4. The AVERAGE Round consists of TEN (10) questions worth THREE (3) points each.
5. The DIFFICULT Round consists of TEN (10) questions worth FIVE (5) points each.
6. The Quizmaster SHALL only read each question twice, and the corresponding choices once before the timer to answer starts.
7. Once the Quizmaster says, "GO!", the countdown timer shall start and the contestants may start deliberating on their Team answer.
8. Contestants are given 30 seconds to answer during the Easy Round, 40 seconds during the Average Round, and 60 seconds during the Difficult Round.



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V. Championship Round

9. Once the Quizmaster says, "Time's up! Please raise your answers," each Team shall raise the placard corresponding to their Team answer.
10. Proctors shall then raise the Team Number if their assigned Team gets the correct answer. To all Teams, please wait for the Quizmaster to finish recognizing the Teams with correct answers before putting down your answer placards.
11. The following cases will be considered as an incorrect answer: - An answer without its correct unit or with incorrect unit (even with correct value); - An answer with incorrect spelling.
12. Any form of Team misbehavior may become grounds for the disqualification of the Team, as determined by the proctors.
13. All competing teams and audiences are enjoined to observe proper academic behavior during the Championship Round.
14. In the case of a tie, a clincher round composed of three sets of one (1) Easy, one (1) Average, and one (1) Difficult question will be held. The team with the higher score in the clincher round will be placed higher in ranking.

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V. Championship Round

15. Any complaint, reaction or inquiry regarding a question should be addressed immediately or before the next question is given by the Quizmaster. Only contestants on the stage and their respective coaches may address a complaint, reaction or inquiry. The decision given by the judges is final and is not subject to appeal.

16. The Top 3 Teams at the end of the Championship Round shall be awarded with trophies, certificates, medals, and tokens.

VI. Inquiry Channels

HANNAH FE A. EMILA

Registration Committee Head

BIOTA-Bicol Chapter Treasurer

biotabicolchapter.1996@gmail.com

hfemila@brc.pshs.edu.ph

MARIA FELICIANA BENITA M. ELORETA, PhD

Overall Head

BIOTA-Bicol Chapter President

biotabicolchapter.1996@gmail.com

meloreta67@gmail.com

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