

AMGS Cross Mentoring Research Activity 2018-2019

- Research Syllabus

I . Mentor

1. Personal Information

Name	MICHELLE M. BARBON
Mobile Number	+63 975 2233 426
School or Institute	Philippine Science High School – Caraga Region Campus
E-mail	mmbarbon@crc.pshs.edu.ph
Major	Bioinformatics, Molecular Taxonomy

2. Education

	Year	Name of University	Major	Degree	Nation
Bachelor's degree	2013	Mindanao State University – Iligan Institute of Technology	General Biology	B	Philippines
Master's degree	2015	Mindanao State University – Iligan Institute of Technology	Biology	MS	Philippines
Doctorate	2018	Mindanao State University – Iligan Institute of Technology	Biology	Ph.D	Philippines
Dissertation	Checklist and Integrative Taxonomic Study of Brachyuran Crabs (Decapod, Crustacea) from Selected Areas in Mindanao Island, Philippines: Combining Phenetics, DNA Barcodes and Complete Mitochondrial Genome				

3. Experiences

Duration	Position	Institute or University
2017.07-2018.02	Research Fellow (DOST-ASTHRDP)	Sangmyung University, South Korea
2018.07– 2018.10	Special Science Teacher for Research	Philippine Science High School – Caraga Region Campus

4. Honors and Awards

Year	Title	Remarks
2016	Best Presenter Award	International Conference on Basic and Applied Sciences, South Korea
2016	Preparer for the Initial Environmental Examination of the Proposed Iligan Riverwalk Park Development Project – Phase 1	Iligan City, Philippines
2014	Best Paper Award	International Conference on Agriculture, Biotechnology, Science and Engineering, Vietnam

5. Professional Societies

II . Syllabus

1. Course Title & Criteria

Course Title	
Criteria	<input checked="" type="checkbox"/> Biology & Applied Biology
	<input type="checkbox"/> Chemistry
	<input type="checkbox"/> Energy & Environmental Science
	<input type="checkbox"/> Integrated Science
	<input type="checkbox"/> Medicinal Science
	<input type="checkbox"/> Nano Science
	<input type="checkbox"/> Physics
	<input type="checkbox"/> Others

2. Course Objectives & Description

3. Required Textbook or papers:

4. Final Outcome

Mid-term Report	<input type="checkbox"/> Due date:
Final Report	<input checked="" type="checkbox"/> Due date: May 16, 2019

Research Article for APEC Youth Scientist Journal	[X] Due date: May 18, 2019
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5. Schedule

Week	Date	Topics and Activities	Assignments & Other Instructions
Week 1	Feb 4-9	Overview to Research Methodology	
Week 2	Feb 10-16	Concepts of Biodiversity	
Week 3	Feb 17-23	Correlation of Biodiversity to Ecosystem	Review paper
Week 4	Feb 24- Mar 2	Importance of Taxonomy in Biodiversity	
Week 5	Mar 3 - 9	Importance of assessing Biodiversity in Correlation to Ethnobotanical assessment of medicinal plant	Review Paper
Week 6	Mar 10-16	Readings on Inventory and ethnobotanical assessment	
Week 7	Mar 17-23	Proposal writing 1 st draft	Journal Article
Week 8	Mar 24-30	Journal on ethnobotanical assessment of medicinal plant in locality	Review paper
Week 9	Mar 31 – Apr 6	Writing Tips for Journal Writing	
Week 10	Apr 7 - 13	Title submission for research article	
Week 11	Apr 14 - 20	Submission of Methodology	Paper
Week 12	Apr 21 - 27	First paper submission of the research article	
Week 13	Apr 28 – May 4	Sampling	Documentation
Week 14	May 5 -11	Sampling	Documentation
Week 15	May 12 - 18	Final paper	Journal article
		Mentee should submit their research article to AMGS admin team	