



UNIVERSITY OF THE PHILIPPINES
BAGUIO

Governor Pack Road, Baguio City 2600



College of Science

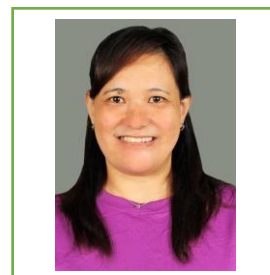
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CURRICULUM VITAE

Jennifer Bandao-Antonio

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Contact Number: +63 74 619-5884 /+639502837762
Research Interest/Discipline: **Biocomposites,
Cellulosic Fibers, Chemistry Education**
PRC License Number: 0745474



Educational Background

Date of Graduation:	April 2014
Degree:	Master of Science in Chemistry
University:	Ateneo de Manila University, Quezon City
Dissertation or Thesis Title:	"Lignocellulosic Sayote (<i>Sechium edule</i>) Microfiber and Indigenous Clay Reinforcing Fillers to Starch/PVOH Composite Blends"
Thesis Grade	Above Average
Received:	CHED Scholarship Grant
Date of Graduation:	April 2009
Degree:	Master of Arts in Education- General Science
University:	University of the Philippines Diliman, Quezon City
Dissertation or Thesis Title:	"Filipino Science Culture Teaching Approach (FSCTA), Student Behavior, Process Skills, and Value Judgment "
GWA	1.38
Received:	Thesis Grant - UP Presidential Scholarship Grant
Date of Graduation:	April 2001
Degree:	Bachelor of Science in Education – Science and Technology
University:	Saint Louis University, Baguio City
Dissertation or Thesis Title:	"Effects of Insecticide on the Chlorophyll Content of Selected Vegetables in Baguio City"

Work Experience

Duration:	January 2019 to Present
Position/Designation:	Instructor 6
Employer:	University of the Philippines Baguio

Duration: June 2017 - December 2018
Position/Designation: Senior High School Teacher
Employer: Department of Education – Benguet

Duration: June 2014 – April 2016
Position/Designation: Assistant Professor 2
Employer: Angeles University Foundation, Angeles City, Pampanga

Other Designations/Committees while Affiliated with UP Baguio

Duration	Designation/ Committee
September 2021- August 2022	Chairperson, Lecture Series Committee
September 2021 – August 2022	DPS Representative, Ugnayan ng Pahinungod
January 2022 – August 2022	CS Representative to Committee on Scholarship and Financial Assistance (CSFA)
September 2021- June 2022	College of Science NSTP- CWTS Coordinator
August 2020- July 2021	Member, Biological and Chemical Waste Management Committee (BCWMC)
August 2020 – July 2021	Member, Summer Institute in the Natural Sciences and Mathematics (SINSM Committee)
August 2020 – July 2021	Member, Socials Committee
August 2019 - July 2020	Chairperson, Summer Institute in the Natural Sciences and Mathematics (SINSM Committee)
August 2019 – July 2020	Member, Biological and Chemical Waste Management Committee (BCWMC)
August 2019 – July 2020	Member, Socials Committee
August 2019 – July 2020	CPD Manager, SINSM

Research Projects/ Research Involvements/Patents

Duration	Research Project/Patent Details
January 2019 – March 2022	Title: Lead (Pb ²⁺) Removal in Water Using Spent Arabica Coffee Grounds at Varying Contact Time Position: Project Leader Funding agency: Cordillera Studies Center, University of the Philippines Baguio

List of Publications (Books, Journals, Proceedings, etc.)

Articles

Bandao-Antonio, J. and Diaz, J.M. (2022). Sayote (*Sechium edule*) fiber isolated at varying acid hydrolysis time and reinforcement to starch/PVOH composite blends, *BioResources* 17(1), 1892-1904.

Conference Proceedings

Arbotante, C., **Bandao, J.**, De Leon, A., De Leon, C., Janairo, N., Lapuz, J., Manaloto, N.B., Nacpil, A., Salunga, F.; Water Quality in Pampanga River Along Barangay Buas in Candaba, Pampanga. https://www.dlsu.edu.ph/wp-content/uploads/pdf/conferences/research-congress-proceedings/2015/SEE/036-SEE_Janairo_ZN.pdf

Research Presentations in Conferences

Date	Title of Presentation	Conference and Venue
International		
May 23-25,2011	Filipino Science Culture Teaching Approach: Effects on Student Behavior, Process Skills and Value Judgment	6 th Nakem International Conference Venue: Banaue Hotel, Banaue, Ifugao
National		
May 28-30, 2019	Colorimetric Detection of the Presence of Cyanide in the Environment Using Anthocyanin Containing Plant Extracts, 34 th Philippine Chemistry Congress, Lahug Cebu City	34th Philippine Chemistry Congress Venue: Lahug, Cebu City
April 15-17, 2015	Anthropogenic Activities and Water Quality in Pampanga River Along Barangay Buas, Candaba	30th Philippine Chemistry Congress Venue: Ateneo de Davao University, Davao City
April 15-17, 2015	Mechanical and Thermo-Chemical Properties of Sayote (<i>Sechium edule</i>) Microfiber and Kaolin Clay Reinforced Starch/PVOH Composite Blend	30th Philippine Chemistry Congress Venue: Ateneo de Davao University, Davao City
April 9-11, 2014	Sayote (<i>Sechium edule</i>) Microfibers From Mature And Sun-Dried Vines Isolated At Varying Acid Hydrolysis Time And Microfiber Reinforcement To Starch/PVOH Composite Blends	29th Philippine Chemistry Congress Venue: Villa Caceres Hotel, Naga City, Camarines Sur
April 10-12, 2013	Processing and Characterization of Nanocrystalline Sayote (<i>Sechium edule</i>) Fiber as Reinforcement for PVOH/Starch Composite Fabrication	28th Philippine Chemistry Congress Venue: Silliman University, Dumaguete City

Creative Works

Date/s	Creative Work Details
October 27, 2021	Ti Similla article Title: 26 th SINSM Online Edition
July 2020 to September 2020	Chem 26 – Analytical Chemistry Course Pack

Public Service

Date/s	Extension Service Details
March 20, 2019	Senior High School Research Panelist Kibungan National High School, Kibungan, Benguet
April 25-27, 2019	Title: 25 th SINSM Position: Lecturer Title of Talk: Mea Culpa? A Forensic Chemistry Related Teaching Strategy
May 19-21, 2021	Title: 26 th SINSM Position: Lecturer Title of Talk: How to Plan a Successful Science Investigatory Project (SIP) - Tips and Strategies Additional Role: Moderator
April 21 – 23	Title: 27 th SINSM Position: Lecturer Title of Talk: Gaano kaasim ang maasim? (A Virtual and Kitchen Based Titration) Additional Role: Moderator

Membership in a National/International Organizations

Date/s	Organization Details
April 2013 – Present	KIMIKA (Chemical Society of the Philippines)

Professional Development: Participation in Conferences/Trainings

Date	Conference and Venue
International June 2, 2021	Going Beyond the Fundamentals of Journal Publishing – Reproducibility in Research Venue: Virtual Mode Via Zoom
National August 6, 2020	RemOAT and Interactive Learning Conversations: Course Pack Ganern! Where to Start, How to Do It, What to Write Venue: Virtual Mode Via Zoom
November 23, 2020	ABC's of Gen X, Y, Z: Understanding Our Learners Webinar Venue: Virtual Mode Via Zoom

June 26, 2020

UP Baguio, UP-Cebu, UP-Visayas CU-Wide
Dialogue

May 5, 2021

Science 10 GE Conversations of the UP System GE
Conference 2021

Local

July 27, 2020

College of Science Online Training on Remote Learning

August 12, 2020

COVIDIZATION 101: A Webinar on COVID-19 Updates in
Baguio City

March 16, 2020

College of Science EDMODO Training