

RACHELLE C. CAÑETE

Address: Purok 6, Humayan, Pangdan, City of Naga, Cebu

Age: 26

Date of Birth: March 14, 1993

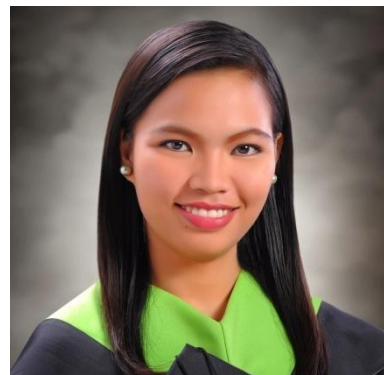
Place of Birth: Pangdan, City of Naga, Cebu

Marital Status: Single

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EDUCATION

Graduate

University of San Carlos
Nasipit, Talamban, Cebu City
Masters in Chemistry
June 2015-present

Gyeongsang National University
Jinju-si, Gyeongsangnam-do, South Korea
Masters in Applied Life Science (by research)
Graduated on August 25, 2017
Thesis: Enhanced Glucose to Fructose Isomerization in *Corynebacterium glutamicum* ATCC 13032 for Economic Production of Psicose

College

University of San Carlos
Nasipit, Talamban, Cebu City
Bachelor of Science in Chemistry
Graduated on March 2013
Thesis: Bioaccumulation of Copper in Guppy, *Poecilia reticulata* (Peters, 1859) with Characterization of the Hydrophobic Fraction of its Octanol-Water Emulsion

High School

Minglanilla National Science High School
Poblacion, Ward I, Minglanilla, Cebu
Graduated on March 2009

Elementary

Pangdan Elementary School
Pangdan, City of Naga, Cebu
Graduated on March 2005

JOB EXPERIENCE

On-the-Job Trainee/QC Analyst – Kerry Food Ingredients, Phils. (May 2012-June 2012)

- Responsible for Quality Control of Carrageenan
- Analyzes whiteness, moisture, pH, gel strength and viscosity and quantifies iron content by titration

Chemist-Exploration – Carmen Copper Corporation (November 2013-November 2014)

- Responsible for the Analysis of Copper, Silver, Gold, Lead, Molybdenum, Zinc, and other metals in Copper Ore and Concentrates using Atomic Absorption Spectroscopy, Inductively Coupled Plasma and Short-Iodide Titration.
- Analysis of Gold in Ores using Fire-Assay Technique
- Analysis of Sulfur using Eltra Sulfur Analyzer
- Analysis of Lime by acid-base titration
- Preparation of Standard solutions
- Analysis of Copper Oxide in Ores
- Analysis of Iron in Ores by Titration

Chemistry Instructor – Cebu Normal University (June 2014-October 2014)

- Handles Chemistry Lecture and Laboratory in General and Inorganic Chemistry and Biochemistry

Chemist III – Gov. Celestino Gallares Memorial Hospital (November 2017-July 2018)

- Performs detailed tests, observations, and measurements to support the chemical analysis of samples, and prepares reports and evaluation of lab activities

SKILLS AND TRAININGS

Good Laboratory Practice

Advanced analytical skills

Titration, Gravimetry and Chemical analyses

Highly experienced in Flame Atomic Absorption Spectroscopy (FAAS)

Highly experienced in High-Performance Liquid Chromatography (HPLC)

Experienced in UV-Vis (single and double beam)

Metabolic Engineering techniques (e.g. traditional gene cloning)

Molecular Biology techniques

SDS-PAGE, Gel Electrophoresis

Polymerase Chain Reaction (PCR)

DNA isolation and purification

Knowledge in Gas chromatography, Infrared Spectroscopy (IR), Inductively-Coupled Plasma (ICP), Eltra Sulfur Analyzer

Microsoft Office skills such as Word, Powerpoint, Excel, Publisher

Motivated, fast- learner and able to do multiple tasks
Driving skills (with student license)
Flame Atomic Absorption Spectroscopy Training conducted by the University of San Carlos
Water Laboratory

LANGUAGES

Bisaya, Tagalog, English, Korean (beginner)

CAREER EXPECTATIONS

- To get into research involving applied analytical chemistry/nanotechnology/instrumental chemistry/biochemistry
- Research interests is multidisciplinary including nanotechnology for drug delivery, green chemistry, instrumentation, forensics, biotechnology and materials science
- To become an excellent and proficient chemist and Chemistry Professor in both industry and academe, respectively
- To become a Professor in Chemistry majoring in Analytical/Instrumental/Bioinorganic/Biochemistry

OTHERS

DOST Scholar
Dean's Lister (two semesters)
Board Exam Passer (September 2013)
28th Philippine Chemistry Congress (PCC) Poster Presenter
KMB 2016 Poster Presenter (South Korea)
KSBB 2016 Poster Presenter (South Korea)
33rd Philippine Chemistry Congress (PCC) Oral Presenter

REFERENCES

Lora Mae G. Villegas, MS Chem.
Full Instructor
University of San Carlos – Philippines
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