



WENCY DAGAYLOAN

Registered Chemist

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62-A Sagkahan, Tacloban City

PROFILE

A Registered Chemist with experience in chemistry education, basic research, laboratory management, procurement, water quality testing, bioethanol and bioethanol fuel testing, yeast and molasses fermentation for ethanol production.

SKILLS

- Acquainted with physico-chemical and microbiological testing of drinking water and wastewater, analysis of bioethanol and bioethanol fuel, research, statistics, and use of several statistical software.
- Familiar with food safety practices, GMP and ISO/IEC 17025:2005.
- Instrumentation experience includes UV-Vis spectrophotometer, high performance liquid chromatography (HPLC) with PDA detector, Karl Fischer Titrator.

EXPERIENCE

LABORATORY HEAD

Leyte Agri Corporation (2022 -present)

QA/QC Department, Ormoc City

- Managed Raw Materials Testing Lab and Finished Product Testing Lab operations.
- Supervise R&D activities relevant to molasses fermentation for ethanol production.
- Sustained the department's 100% compliance on testing parameters of bioethanol, bioethanol fuel, fermented mash, boiler water, yeast culture, molasses and effective microorganism.
- Established the equipment management program of the laboratory.
- Provided reference methods, training plan, lab assessments, and reviewed all analytical methods.

INSTRUCTOR 2

University of the Philippines Visayas (2019 -2021)

Division of Natural Sciences and Mathematics, Tacloban College, Tacloban City

- Taught chemistry lecture and lab courses for BS in Biology students.
- Served as member of the technical working group for procurement of lab materials and equipment for the university and several external funded projects.
- Participated in the local production of alcohol-based hand rub

SPECIAL SCIENCE TEACHER I

Department of Education Schools Division of Tacloban City (2016 -2019)

Leyte National High School - Senior High School, Tacloban City

- Taught subjects in mathematics and statistics.
- Served as canvasser in the procurement of materials and equipment.
- Served as consultant for several student research.

PART- TIME INSTRUCTOR

Eastern Visayas State University (2016 -2017)

Natural Sciences Department, College of Arts and Sciences, Tacloban City

- Taught chemistry lecture and lab courses for BS Chemistry and non - chemistry majors.
- Assisted in preparing documents for accreditation relevant to laboratory requirements to the BS Chemistry program.
- Assisted in reviewing procured laboratory materials and preparation of procurement of materials for laboratory.

INTERN

Department of Science and Technology (DOST) Region VIII (2015)

Regional Standards and Testing Laboratory, Palo, Leyte

- Performed physico-chemical and microbiological testing of drinking water and wastewater.
- Performed calibration on test weights, proving tank and laboratory glassware.
- Housekeeping in accordance to ISO 17025:2005.

EDUCATION

Bachelor of Science in Chemistry (cum laude)

Eastern Visayas State University (2012 - 2016)

Salazar St. Quarry Dist. Tacloban City

- DOST SEI Scholarship Recipient, Award of Academic Excellence in Science Recipient, DOST SEI
- President, DOST Scholars Association (2015), President, Chemistry Society (2013)