

Name : **MICHELLE D. ENRIQUEZ**
Address : **San Jose, Occidental Mindoro, Philippines**
Affiliation : **Occidental Mindoro State College**
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Educational Qualifications and Eligibility

PhD in Civil Engineering

De La Salle University
February 2024

Master of Science in Civil Engineering

Major in Water Engineering, Hydraulics and Structural Engineering
De La Salle University, 2015

Master in Public Administration

Occidental Mindoro State College
March 2013

BS in Civil Engineering

University of the East
April 2005

Work History:

Dean, College of Engineering

Occidental Mindoro State College
July 2016- present

ISO Internal Auditor

Occidental Mindoro State College
July 2019- present

AACUP Internal Accreditor

Occidental Mindoro State College
July 2019- present

Planning and Development Engineer

Occidental Mindoro State College
2006-2013

PROJECT HANDLED

- ***Alternative Onion Storage System using controlled temperature and automatic air flow mechanism, Project Leader***

Funding Agency: National Economic Development Authority

Funding Requirement: P 1, 961,322.02

Project Duration: December 2023-December 2024

PAPERS PRESENTED

- **Analysis of the Water Quality Index of Pandurucan River, San Jose, Occidental Mindoro, Philippines using Principal Component Analysis (PCA) and Multilayer Perceptron (MLP)**, 13th national Convention on Environment, Climate Change and Disaster Risk, January 26-28, 2024
- **Development of GSM-based water quality monitoring system for the salt evaporation ponds in San Jose, Occidental Mindoro, Philippines**, 1st International Research and Innovation Conference on Education, Engineering and Agriculture, DMMSU-NLUC, December 4-6, 2023
- **Effects of land use and land cover and climate variability on the bacterial processes in Pandurucan River using Soil and Water Assessment Tool**, 12th International Conference on Applied Science and Technology (ICAST 2023), Cyberjaya, Malaysia, September 11, 2023
- **GSM based Water Salinity Monitoring System for Water Gate Management in Salt Farm**, 1st Philippine Salt Congress, Lingayen, Pangasinan, November 26-27, 2022,
- **Application of Quantitative Microbial Risk Assessment (QMRA) of E.Coli concentrations in Pandurucan River, San Jose, Occidental Mindoro, Philippines**, 11th MHRDC Health Research Forum and Caravan, Malate Manila, Philippines November 11, 2022
- **Catchment Delineation of Pandurucan River using Geographical information Sytem**, 9th International Conference on Applied Science and Technology (ICAST 2021), Cyberjaya, Malaysia, April 5-6, 2021
- **Proposed Iodized Salt Quality Control and Quality Assurance at JALD Industries Corporation Using Statistical Process Control (SPC) Charts"** 2nd International Conference on Food, Environment and Culture, Crown Legacy Hotel, Baguio City, Philippines, November 26-29, 2019
- **Environmental Analysis and Estimation of Evaporation Rate using Pennman Equation Numerical Simulation in the Salt Production Industry in Occidental Mindoro"** 2nd International Conference on Food, Environment and Culture, Crown Legacy Hotel, Baguio City, Philippines, November 26-29, 2019
- **Quantification of Concrete pavements with fly ash and carbon sequestration using SIMAPRO**, 2019 APCORE Convention and International Conference, , Pasay, Manila, Philippines, September 18-20, 2019
- **Sustainability of the Water Supply from Groundwater extraction in OMSC Labangan Campus Basis for OMSC Labangan Water Development Plan"**; 3rd International Research Conference on Innovations in Engineering, Science and Technology, Batangas State University, September 27-29, 2017
- **Developing a System Safety Hazard and Risk Assessment for Surigao** Metropolitan Water District, 5th Regional Conference on Disaster Risk reduction. De La Salle University, Philippines, August 21-22, 2016

PAPERS PUBLISHED

- **GSM based Water Salinity Monitoring System for Water Gate Management in Salt Farms**, Journal of Electrical and Computer Engineering Innovations, 11(2): 383-390, 2023 <https://doi.org/10.22061/jecei.2023.9564.633>
- **A Basis Water Quality Monitoring Plan For Rehabilitation And Protection**. Global J. Environ. Sci. Manage. 8(2): 237-250, Spring 2022, Serial #30. DOI: 10.22034/gjesm.2022.02.07
- **Catchment delineation of Pandurucan River using quantum geographical information system (QGIS)**. AIP Conference Proceedings 2472, 040005 (2022); <https://doi.org/10.1063/5.0092766>
- **A Biodiversity Conservation Area Using Holistic and Modular Architecture** Civil Engineering and Architecture 10(7): 2809-2819, 2022
DOI: 10.13189/cea.2022.100702
- **Analysis and Estimation of Evaporation Rate using Pennman Numerical Simulation in the Salt Production Industry in Occidental Mindoro**. International Journal Environmental Science Natural Resources 2022; 30(2): 556282. DOI: 10.19080/IJESNR.2022.30.556282
- **Development and Evaluation of Mechanized Fish Paste Maker**. Food Science and Technology, Vol. 10, No. 1, pp. 9 - 16, 2022. DOI: 10.13189/fst.2022.100102

I hereby attest that the above information is correct and true to the best of my knowledge


MICHELLE D. ENRIQUEZ, CE, MPA, PhD

Profile of the Researchers

Name of the Researchers	Project role	
Engr. MICHELLE D. ENRIQUEZ	Project Leader	College of Engineering Civil Engineering Doctor of Philosophy in Civil Engineering
KEN ANGELO M. VIVAS	Lead Researcher	College of Engineering Industrial Education Master of Technology (on-going)
Engr. MARY GLEN L. CAUGMA	Researcher	College of Engineering Civil Engineering Doctor of Engineering major in Construction Management (on-going)
ADRIAN PAUL N. ABELLA	Researcher	College of Engineering Electronics Engineering Master in Electronics Communication
Engr. ALFREDO D. BACORRO	Researcher	College of Engineering Electrical Engineering Master of Science in Electrical Engineering
Engr. NOEL C. PRIMERO	Researcher	College of Engineering Industrial Engineering Master of Technology
CHARMAINE D. DE GUZMAN-BANIAGA	Researcher	College of Engineering Civil Engineering Master in Information technology
APRIL S. BUNGALSO	Researcher	College of Engineering Accountancy Master in Business Administration
Engr. ABIGAIL N. GONZALES	Researcher	College of Engineering Electrical Engineering Master of Science in Electrical Engineering
Engr. NORMA B. MUYOT	Researcher	College of Engineering Chemical Engineering Doctor in Education