



MARCO A. ORDA

**Bachelor and Master
of Science in
Biological Engineering**

- Unit 0229, South Residences,
Almanza Uno, Las Piñas City
- marco.orda@yahoo.com
- +639 67233 9052
- www.linkedin.com/in/marco-orda-022a492b0/

PROFESSIONAL SKILLS

- Written and verbal communication
- Detail-oriented
- Critical thinking
- Clerical
- Problem-solving
- Analytical
- Adaptability
- Collaborative
- Active listening
- Creativity
- Flexibility

TECHNICAL SKILLS

- Scientific research and writing
- Laboratory instrumentation
- Bioinformatic tools
- Biochemical plant design
- MATLAB programming
- Python programming
- AutoCAD design
- Utilization of Microsoft Word, Excel,
and PowerPoint
- Adobe Photoshop editing

PROFESSIONAL GOALS

My objectives are to improve my overall understanding in the field of biological, chemical, and materials sciences and engineering and hone my skills in scientific writing, interpersonal communication, and professional research. With the aim of carrying pragmatic change in my country, I aspire to become a professional capable of acquiring knowledge and contributing to solving medical and environmental problems. It is my commitment to adapt well and give my best in every circumstance in order to achieve these goals.



WORK EXPERIENCE

National Ilan University & Chung Yuan Christian University

February 2023 - August 2023

Department of Chemical and Materials Engineering

International Research Intern in Center for Membrane Technology

- Membrane Fabrication and Performance Testing
- Polymerization Reaction
- Material Characterization
- Research Paper Writing and Presentation



RESEARCH EXPERIENCE

Microalgae Biodiesel Production Plant in Los Baños, Laguna

School of Chemical, Biological, and Materials Science and Engineering, Mapúa University, Philippines

Fabrication of Thin-Film Composite Nanofiltration Membranes with Spirobisindane Diamine Monomers for Dye/Salt Nanofiltration

Department of Chemical and Materials Engineering, National Ilan University and Chung Yuan Christian University, Taiwan

Modular Hub Genes in DNA Microarray Suggest Potential Signaling Pathway Interconnectivity in Various Grades of Glioma

School of Graduate Studies, Mapúa University, Philippines



EDUCATIONAL HISTORY

Mapúa University

August 2019 - Present

Bachelor and Master of Science in Biological Engineering

Scholarships:

- Income-based Financial Assistance Program
- Academic Scholarship

Achievements (BS):

- President's List 3Q-4Q 2020-2021 (February 2021 - July 2021)
- President's List 3Q 2021-2022 (February 2022 - May 2022)

Achievements (MS):

- Honorable Mention, International Membrane Conference in Taiwan (June 2023)
- Cardinal Excellence Award (January 2024)

LANGUAGES

- Conversational in Filipino and English verbal communication and writing

REFEREES

Dr. Lemmuel L. Tayo

Biological Engineering Program Chair
lltayo@mapua.edu.ph

Ms. Marineil C. Gomez

Biological Engineering Professor
lmcgomez@mapua.edu.ph

Engr. Peter Matthew T. Fowler

Biological Engineering Professor
pmtfowler@mapua.edu.ph

Mr. Heherson Cabrera

Biological Engineering Professor
hscabrera@mapua.edu.ph

Mapúa University - Senior High School

June 2017 - March 2019

Science, Technology, Engineering, and Mathematics (STEM) Strand

Achievement:

- Graduated with Honors

St. Mary's Academy of Caloocan City

June 2013 - March 2017

Secondary Education

Achievements:

- General Excellence
- Rank 9 of the batch



AFFILIATIONS

Mapúa University - School of Chemical, Biological, and Materials Engineering and Sciences Student Council

Public Relations Officer (June 2020 - June 2021)

Creatives Committee Member (June 2019 - June 2020)

- Managed public material creation and increased the page engagement by ~70%

Association of Biological Engineers of Mapúa (BioLOGIC)

Creatives Committee Head (June 2021 - June 2022)

Creatives Committee Member (June 2020 - June 2021)

- Organized events and public material release; increased engagement by ~90%



SEMINARS ATTENDED

A Microscopic Perspective on Human and the Environment

Mapúa BioLOGIC (February 2022)

3D Printing for Biomedical Applications

Philippine Society of Mechanical Engineers - Mapúa Student Unit
(May 2022)

BEmpire Webinar Series

Mapúa BioLOGIC (July 2022)

- Biological Engineering X Graduate School
- A Career in Food Safety for Biological Engineers
- Emerging Research and Career Opportunities in the Biotech Industry
- Optical Detection of a Susceptible Organism's Secreted Enzyme via Rotational Brownian Motion of a DNA Nanosensor Conjugated to Janus Particles
- Exploring the Career Path to Environmental Biotechnology
- Biotechnology for Lignocellulose Utilization toward Chemicals and Materials