



Dao Van Nam

Chemical Engineer

Profile

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- 📍 Ho Chi Minh City, Vietnam

Skills

- Analytical and data processing skills.
- Ability to read and understand scientific literature in English.
- Careful, detail-oriented, and accurate in laboratory work.
- Fast learner with strong ability to adapt to new analytical instruments and techniques.
- Proficient in Microsoft Office (Word, Excel, PowerPoint) and data analysis software such as SPSS and Origin.

Interests

Reading, Running, Playing sports

Objective

I aim to apply my knowledge and practical experience in chemical analysis, analytical instrument operation, and laboratory experiments to contribute to research, testing, and product development activities of the company. I am seeking a professional working environment where I can further improve my expertise and make long-term contributions to the company

Work experience

Lab Technician

Sept 2023 - Present

Institute of Advanced Technology

- Operate and analyze data from analytical instruments including GC-MS, GC-FID, Raman-AFM, HPLC, Fluorescence (FL), UV-Vis, as well as other standard laboratory equipment.
- Perform physicochemical measurements of samples such as viscosity, conductivity, pH, and optical rotation, and prepare samples for analysis.
- Analyze and determine physicochemical parameters including acid value, saponification value, and ester value, while calculating and evaluating related parameters according to standard laboratory procedures.
- Conduct steam distillation of essential oils, including sample preparation, monitoring the distillation process, calculating recovery yield, and evaluating product quality.
- Operate freeze-drying equipment (lyophilizer) for sample preservation.
- Perform organic synthesis reactions such as reduction, C-C coupling, Heck and Sonogashira reactions, and esterification, monitoring reaction progress and handling products.
- Synthesize and fabricate nanomaterials using chemical reduction methods.
- Process experimental data, prepare analytical reports, and ensure compliance with SOPs and laboratory safety regulations.

Education

Major: Chemical and Food Technology

Sept 2019 - Aug 2023

Nong Lam University – Ho Chi Minh City

Major: Master's Student – Major in Organic Chemistry

Jul 2024 - 2026

Graduate University of Science and Technology (VAST)

Honors & Awards

2024-2026

Co-author of 9 scientific research papers published in domestic and international journals.
Member of 1 NAFOSTED research project and 2 institutional research projects