NGAN D. P. LE

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EDUCATION

Ho Chi Minh University of Technology (HCMUT) 2017 – 2019
Enrolled in Bachelor of Chemical Engineering
GPA: 3.75

Georgia State University (GSU) 2020 – 2021
Bachelor of Science in Chemistry
GPA: 3.98

Georgia State University (GSU) 2022 - present
Master of Science in Chemistry
Expected graduation date: May 2023

Relevant Coursework: Fundamentals of Chemical Analysis, Organic Chemistry I & II, Biological Chemistry I & II, Chromatography, Spectroscopy, Inorganic Chemistry, Physical Chemistry I & II.

AWARDS

- Scholarship Sencouraging Study, 2017 – 2019
- 100% Transfer Campus Atlanta Scholarship, 2020 – 2021
- President's List at GSU, 2020 – 2021
- Graduate Assistantship at GSU, 2022

RESEARCH EXPERIENCE

Computer-based Research, Dr. Gigi Ray, Chemistry, GSU, Fall 2020

- Investigated use of glabridin to treat hyperpigmentation
- Explored literature synthesis routes to glabridin
- Analyzed 1H-NMR spectra
- Analyzed 3D structures to understand the interaction between glabridin and tyrosinase and how glabridin reaches its target location and inhibits the enzyme.

Computational Chemistry Research, Dr. Samer Gozem, Chemistry, GSU, Fall 2021

- Compared the accuracy of quantum chemically computed NMR shifts against experimental data to explore the importance of the solvent and basis set effects.

PRESENTATIONS

Glabridin-Loaded in Nanostructured Lipid Carriers (NLCs): Treatment of Hyperpigmentation, **Le, N**, Fall 2020 STEM Conference, Nov. 11, 2020, Georgia State University, Atlanta, GA.

LABORATORY EXPERIENCE

- Gas chromatography
- Thin layer chromatography
- High-performance liquid chromatography
- NMR data analysis
- Fluorescence spectrometer
- UV/Vis spectrometer
- Microscopy
- Micropipettor

SKILLS

- Computer skills – Microsoft Office, ChemDraw, iQmol, GaussView 5.0, PuTTY, EndNote, SciFinder Scholar, PubMed, Reaxys, PubChem, Web of Science, Protein Data Bank.