

THI TRA MY BUI

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EDUCATION

University of Pau and the Adour Region

Pau, France

Master 2 chemical and microbiological characterization

September 2021 – July 2022

for environmental issues (CMCEI)

Classification (1st semester): 14.89 / 20

Vietnam National University, Hanoi University of Science

Hanoi, Vietnam

Bachelor of Science in Talented program in Chemistry

September 2017 – June 2021

Overall GPA: High Distinction (3.62 / 4.0)

RESEARCH EXPERIENCE

Institute of Analytical Sciences and Physico-Chemistry for

Pau, France

Environment and Materials (IPREM), UPPA

The supervisor of Dr. Aubin THIBAUT DE CHANVALON

February 2021 – August 2022

Research project: Method development of synthesis and analysis of nanoFeS

- Synthesis and analysis of FeS nanoparticles by UV spectroscopy and SP-QQQ-ICP-MS
- Precipitation in seawater matrix, a kinetic survey

Medicinal Chemistry Laboratory, Hanoi University of Science

Hanoi, Vietnam

The supervisor of Assoc. Prof. Dinh Hung MAC

March 2019 – May 2021

Research project: Synthesis of β -peptidomimetics based on biphenyl backbone

- Synthesized unnatural β -amino acids and peptide – biphenyl hybrids
- Screening coupling reagents and optimal conditions for peptidomimetics synthesis

PUBLICATIONS

Synthesis and crystal structure of peptide dimethyl biphenyl hybrid $C_{52}H_{60}N_6O_{10} \cdot 0.25H_2O$

X. T. Nguyen, T. Q. Le, T. M. Bui Thi, D. H. Mac and T. T. T. Bui. *Acta Cryst.* (2020). E76, 1675-1678.

AWARDS & HONORS

VNU - Hanoi University of Science Merit-based Scholarship

2017 – 2021

Scholarship, University of Pardubice Summer School – Life is Chemistry

2019

“Talents’ Academy” Scholarship

2021 – 2022

(E2S Energy and Environment Solution UPPA, France)

OTHER EXPERIENCE

Workshops – 2019

Hanoi, Vietnam

Funded by Asian Chemical Biology Initiative to attend “Organic Chemistry of Life” class

Teaching experience – 2021

Hanoi, Vietnam

Teacher assistant for the subject "Practice in medicinal chemistry" at the Medicinal Chemistry Laboratory, Hanoi National University

SKILLS

Linguistic: English (Ielts B2), French (A level by UPPA)

Research skills: Reaction under inert atmosphere, UV – Vis spectroscopy, SP – QQQ – ICP – MS, NMR interpretation, Column Chromatography, Purifications.

Software: Sci-finder, Mnova, Chemdraw, Microsoft Word, Excel, PowerPoint, Zotero, Minitab

REFERENCES

Dr. Aubin THIBAUT DE CHANVALON, IPREM/ UPPA, Pau, France

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Assoc. Prof. Dinh Hung MAC, VNU – University of Science, Hanoi, Vietnam

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