

Nam (Duc) VU

Junior Researcher in Organic Synthesis & Macromolecular Materials

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• PROFESSIONAL EXPERIENCES

03.2019-08.2020 | Postdoctoral researcher in polymer chemistry - ESPCI Paris

Funding: CNRS Emergence 2019-2020.

Project: "The synthesis of hydrophilic poly(thiazolidines) and their uses in the preparation of cross-linked dynamic covalent hydrogels"

- Synthesis of monomers and their uses in the preparation of poly(dimethylacrylamides).
- Characterization of the polymers by ¹H-NMR, GPC, SEC, IR, DSC, TGA.
- Fabrication of dynamic thiazolidine hydrogel and their characterisations by rheology.

Supervisors: Dr. Amandine Guerinot, Prof. Renaud Nicolaÿ.

2015-2018 | Doctoral studies in Green Chemistry - ICBMS, UCBL , France

Funding: SAS P.I.V.E.R.T (Compiegne, France).

Project: "Valorization of vegetable oil derivatives to value-added compounds through catalysis"

- Funtionalization of fatty acid derivatives.
- Organocatalyst cleavage of plant oil derivatives to bio-aldehydes.
- Development of a polymer bearing an organocatalyst for fixation of CO, into cyclic

Supervisors: Dr. Nicolas Duguet, Dr. Estelle Metay, Prof. Marc Lemaire.

08.2013-11.2013 | Researcher Exchange, Center of Biological Sciences KAO Tochigi Manufactory, Japan.

- Studies on the antifungal activity of 4 extracts derived from Clausena lansium Skeel and Goniothalamus vietnamesis Ban.
- Isolation of 5 compounds (4 known and 1 new) from residue of Clausena lansium and investigated their antifungal activities.

2012-2014 | Researcher, National Institute of Medicinal Materials (Vietnam).

Project: ``Total synthesis of Clopidrogel bisulfate- an antiplatelet drugs for the treatmentof coronay artery, peripheral vascular and cerebrovascular diseases".

Project: "Study on the extraction and enantiomer separation of (-)-gossypol from Gossypium species in Vietnam".

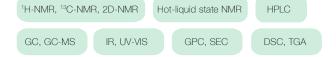
02.2010-05.2010 | Internship Laboratory of Modified Nucleic Acid System,

POSTECH, Korea - Prof Byeang Hyean Kim.

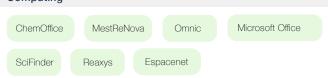
Project: "Synthesis of modified fluorescent nucleotides via Sonogashira coupling".

SKILLS





Computing



• SCIENTIFIC RESULTS

- Adv. Syn. Catal. 2020, 362, 8, 1696 1705.
- J Am. Oil Chem. Soc., 2020, 97, 81-91.
- ACS Sustainable Chem. Eng. 2019, 7, 16, 13865 -13872.
- Eur. J. Org. Chem., 2019, 1251-1256.
- Chem. Eur. J., 2018, 24, 8141-8150.
- Green Chem., 2017, 19, 3390-3399.
- Nat. Prod. Sci., 2016, 22, 35-40.
- Viet. J. Pharm, 2015, 9, 28-33.

LANGUAGES

English (intermediate) French (debutant) Vietnamese (native)

EDUCATION

2015/2018 | PhD in Organic Chemistry, University Claude Bernard Lyon 1, France.

Team "Catalysis, Synthesis and Environment", ICBMS, in the group of Prof. Marc Lemaire.

2014/2015 | M.Sc., in Synthesis, Catalysis and Sustainable Chemistry (SCSC),

University Claude Bernard Lyon, France.

2005/2010 | Chemical Engineer, in Pharmaceutical Chemistry,

Hanoi University of Science and Technology, Vietnam.