

# SCIENTIFIC CURRICULUM VITAE

## I. Personal Information

|                   |                                                                                                                                                                                                                             |                          |                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------|
| Name:             | NGO THI MAI VIET                                                                                                                                                                                                            |                          |                             |
| Gender            | Female                                                                                                                                                                                                                      |                          |                             |
| Date of birth     | September 18, 1979                                                                                                                                                                                                          |                          |                             |
| Place of birth    | Hiep Hoa distric – Bac Giang province                                                                                                                                                                                       |                          |                             |
| Homeland          | Hiep Hoa distric – Bac Giang province                                                                                                                                                                                       |                          |                             |
| Position          |                                                                                                                                                                                                                             |                          |                             |
| Degree            | Doctor                                                                                                                                                                                                                      | Year: 2010               | Major: Analytical Chemistry |
| Scientific title  | Associate Professor                                                                                                                                                                                                         | Accreditation year: 2018 |                             |
| Teaching subjects | Fundamental Theory of Analytical Chemistry,<br>Quantification of Analytical Chemistry,<br>Application of complex and organic reagent to analytical chemistry,<br>Extraction methods and application to Analytical Chemistry |                          |                             |
| Research area     | Adsorption material                                                                                                                                                                                                         |                          |                             |
| Foreign Language  | English                                                                                                                                                                                                                     |                          |                             |
| Address           | Thai Nguyen University of Education - Thai Nguyen University                                                                                                                                                                |                          |                             |
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## II. Qualifications

- 2001: B.Sc in Chemistry in Education, Thai Nguyen University of Education.
- 2003: M.Sc in Analytical Chemistry, Thai Nguyen University of Education.
- 2010: Ph.D in Analytical Chemistry, University of Natural Sciences – Vietnam, National University.

## III. Scientific Publications

### ❖ Articles in international Journals

1. Tien Duc Pham, Hoang Hiep Nguyen, Ngoc Viet Nguyen, Thanh Tu Vu, Thi Ngoc Mai Pham, Thi Hai Yen Doan, Manh Ha Nguyen and **Thi Mai Viet Ngo** (2017), Adsorptive Removal of Copper by Using Surfactant Modified Laterite Soil, Journal of Chemistry, Vol.2017, pp. 1-10.
2. Tien Duc Pham, Thu Thao Pham, Minh Nguyet Phan, **Thi Mai Viet Ngo**, Van Doan Dang, Cuong Manh Vu (2020), Adsorption characteristics of anionic

surfactant onto laterite soil with differently charged surfaces and application for cationic dye removal, *Journal of Molecular Liquids*, 301, pp. 1-9.

3. **Thi Mai Viet Ngo**, Thi Hoa Truong, Thi Hien Lan Nguyen, Thi Tu Anh Duong, Thi Hau Vu, Thi Thu Trang Nguyen, Tien Duc Pham (2020), Surface Modified Laterite Soil with an Anionic Surfactant for the Removal of a Cationic Dye (Crystal Violet) from an Aqueous Solution, *Water Air Soil Pollution* (2020) 231:285, pp. 1-15, <https://doi.org/10.1007/s11270-020-04647-2>.
4. Thi Hau Vu, **Thi Mai Viet Ngo**, Thi Tu Anh Duong, Thi Hien Lan Nguyen, Xuan Truong Mai, Thi Hong Nguyet Pham, Thi Phuong Le, and Thi Hue Tran (2020), Removal of Tetracycline from Aqueous Solution Using Nanocomposite Based on Polyanion-Modified Laterite Material, *Journal of Analytical Methods in Chemistry*, Volume 2020, Article ID 6623511, 9 pages, <https://doi.org/10.1155/2020/6623511>.

#### ❖ **Articles in national Journals**

1. Le Huu Thieng, **Ngo Thi Mai Viet** (2004), Study on complex formation between cerium and L-Phenylalanine, *Journal of Analytical Sciences*, Vol. 9, No. 11, pp. 15-19.
2. Nguyen Thanh Tùng, Pham Luan, Tran Tu Hieu, **Ngo Thi Mai Viet** (2006), Study on  $Pb^{2+}$  adsorption of Vietnamese laterite after modification, *Journal of Analytical Sciences*, Vol. 11, No. 4, pp. 40-44.
3. **Ngo Thi Mai Viet**, Nguyen Thanh Tung, Nguyen Van Thang, Pham Luan, Tran Tu Hieu, Chu Đình Bình (2007), Study on adsorption of cations: Pb(II), Cd(II), Cu(II), onto modified laterite, *Journal of Analytical Sciences*, Vol. 12, No. 3, pp. 14 – 19.
4. **Ngo Thi Mai Viet**, Pham Tien Đức, Pham Luan, Tran Tu Hieu, Chu Đình Bình (2008), Evaluation of adsorption capacity of some heavy metal ions on modified laterite, *Journal of Analytical Sciences*, Vol. 13, No. 3, pp. 15-20.
5. Pham Tien Đức, Pham Luan, Tran Tu Hieu, **Ngo Thi Mai Viet**, Chu Đình Bình (2009), Study on adsorption capacity of some heavy metal ions on modified laterite additional cerium dioxide, *Journal of Analytical Sciences*, Vol. 14, No. 2, pp. 103-108.
6. **Ngo Thi Mai Viet**, Pham Tien Đức, Pham Luan, Tran Tu Hieu (2009), Study on adsorption, elution of modified laterite additional cerium dioxide and the application on analysis for heavy metal enrichment, *Journal of Analytical Sciences*, Vol. 14, No. 2, pp. 110-116.

7. Pham Tien Duc, Pham Luan, Tran Tu Hieu, **Ngo Thi Mai Viet**, Chu Dinh Binh (2009), Physicochemical properties of the modified laterite additional cerium dioxide, *Journal of Analytical Sciences*, Vol. 14, No. 2, pp. 117-121.
8. Pham Tien Duc, **Ngo Thi Mai Viet**, Pham Luan, Tran Tu Hieu (2010), Study on adsorption capacity of heavy metal of modified laterite for analytical applying, *Journal of Science and Technology*, Vol. 48, No. 2A, pp. 153-161.
9. **Ngo Thi Mai Viet**, Nguyen Thi Hoa, Vuong Thi Lieu, Tran Thi Bich (2012), Study on adsorption capacity of Fe(III) on modified laterite, *Journal of Science and Technology*, Thai Nguyen University, Vol. 100, No. 12, pp. 129-133.
10. **Ngo Thi Mai Viet** (2013), Study on adsorption capacity of Cr(VI), Fe(III) of modified laterite additional cerium dioxide, *Vietnam Journal of Chemistry*, Vol. 51, No. 3AB, pp. 126-131.
11. **Ngo Thi Mai Viet** (2014), Study on modified laterite by apatite ore to make solid phase in SPE for separating and preconcentrating of Fe(III), Cr(VI), *Journal of Analytical Sciences*, Vol. 19, No. 1, pp. 15-25.
12. **Ngo Thi Mai Viet** (2014), Evaluation of adsorption capacity of Fe(III), Cr(VI) on modified laterite materials, *Journal of Analytical Sciences*, Vol. 19, No. 2, pp. 23-32.
13. **Ngo Thi Mai Viet** (2014), Studying and evaluating of Mn(II), Ni(II) adsorption capacity of laterite materials modified by apatite ore, *Vietnam Journal of Chemistry*, Vol. 52, No. 5A, pp. 10-15.
14. **Ngo Thi Mai Viet** (2015), Study on adsorption capacity of Mn(II), Ni(II) on the material made from iron nitrate, sodium silicate and phosphate, *Journal of Analytical Sciences*, Vol. 20, No. 4, pp. 269-276.
15. **Ngo Thi Mai Viet** (2015), Study on adsorption capacity of Methylene blue and Methyl orange on modified laterite material, *Journal of Analytical Sciences*, Vol. 20, No. 4, pp. 303-310.
16. **Ngo Thi Mai Viet**, Pham Tien Duc (2016), Influence of the conditions and factors on Chrome determination by Flame atomic absorption spectroscopy (F-AAS), *Journal of Science and Technology*, Thai Nguyen University, Vol. 147, No. 02, pp. 55-62.
17. **Ngo Thi Mai Viet**, Le Thi Hai Yen (2016), Investigation of adsorption capacity of Mn(II), Ni(II) on Lao Cai apatite ore modified by acid, *Vietnam Journal of Chemistry*, Vol. 54. No. 5e1,2, pp. 97-101.
18. **Ngo Thi Mai Viet** (2016), Preliminary analysis and evaluation of the concentration of Pb(II), Zn(II), Cu(II) in the wastewater from some flotation mineral factories in Cho Don district, Bac Kan province, *Journal of Analytical Sciences*, Vol. 21, No. 3, pp. 160-167.

19. **Ngô Thi Mai Viet**, Nguyen Thi Hoa (2017), Adsorptive removal of Pb(II), Zn(II), Cu(II) in the wastewater from a flotation mineral factory in Cho Don district, Bac Kan province by using modified laterite, *Journal of Analytical Sciences*, Vol. 22, No. 3, pp. 132-136.
20. **Ngô Thi Mai Viet**, Nguyen Thi Hoa (2017), Study on adsorption capacity of methylene blue and phenol red on Lao Cai apatite ore, *Journal of Analytical Sciences*, Vol. 22, No. 2, pp. 124-131.
21. **Ngô Thi Mai Viet**, Nguyen Huu Hiep (2017), Adsorption ammonium by using acid activated Lao Cai apatite ore, *Vietnam Journal of Chemistry*, Vol. 55, No. 5e12, pp. 123-127.
22. **Ngô Thi Mai Viet**, Nguyen Thi Hoa (2017), Adsorption methylene blue, methyl orange and phenol red on Lao Cai apatite ore modified by magnetic particles, *Vietnam Journal of Chemistry*, Vol. 55, No. 5e12, pp. 128-133.
23. Nguyen Thi Hien Lan, **Ngô Thi Mai Viet** (2018), Preparation and luminescence investigation complexes of Tb(III), Dy(III) with mixed ligands 2-hydroxynicotinate and 1,10-phenanthroline, *Journal of Analytical Sciences*, Vol. 23, No. 2, pp. 71-75.
24. Duong Thi Tu Anh, Nityakone Khrinyayer, **Ngô Thi Mai Viet**, Le Thi Phuong (2018), Study on the simultaneous determination of ultra trace levels of zinc, cadmium, lead and copper in tea samples by stripping voltammetry method, using modified carbon nanotubes paste electrode, *Journal of Analytical Sciences*, Vol. 23, No. 2, pp. 76-83.
25. Truong Thi Hoa, Pham Thi Quynh, **Ngô Thi Mai Viet** (2018), Removal of methylene blue and crystal violet from aqueous solution by using surfactant modified laterite soil, *Journal of Analytical Sciences*, Vol. 23, No. 2, pp. 84-92.
26. **Ngô Thi Mai Viet**, Honglatda Taochanhxay, Nguyen Thi Hang (2018), Removal of ammonium, Mn(II) from aqueous solution by using surfactant modified laterite soil, *Journal of Analytical Sciences*, Vol. 23, No. 2, pp. 93-101.
27. **Ngô Thi Mai Viet** (2018), Fixed – bed column study on removal of Mn(II) from aqueous solution using acid activated Lao Cai apatite ore, *Journal of Analytical Sciences*, Vol. 23, No. 2, pp. 102-109.
28. **Ngô Thi Mai Viet**, Nguyen Thi Hang, Pham Thi Quynh, Nghiem Thi Huong, Ngo Thanh Trung (2019), Fixed – bed column study on removal of ammonium, Mn(II) from aqueous solution using surfactant modified laterite soil, *Journal of Analytical Sciences*, Vol. 24, No. 1, pp. 90-95.
29. Duong Thi Tu Anh, **Ngô Thi Mai Viet**, Lavanh Sithilath, Vu Thi Hai Yen (2019), Study on the simultaneous determination of ultra trace levels of zinc, cadmium, lead and copper in some soil and vegetable samples by stripping voltammetry method, using modified carbon nanotubes paste electrode, *Journal of Analytical Sciences*, Vol. 24, No. 2, pp. 93-99.

30. **Ngo Thi Mai Viet** (2019), Removal of ammonium from aqueous solution by using apatite ore/ $\text{Fe}_3\text{O}_4$ , Journal of Science and Technology, Thai Nguyen University, Vol. 200, No. 07, pp. 175-182.
31. **Ngo Thi Mai Viet**, Duong Thi Tu Anh (2020), Removal of cationic dyes methylene blue and crystal violet from aqueous solution using anionic surfactant modified laterite soil, Journal of Analytical Sciences, Vol. 25, No. 1, pp. 12-19.
32. **Ngo Thi Mai Viet**, Duong Thi Tu Anh (2020), Study on adsorption capacity of some heavy metal ions on natural laterite and natural apatite ore, Journal of Analytical Sciences, Vol. 25, No. 2, pp. 14-22.

#### **IV. Research Grants/ Projects**

##### **❖ Ministry level**

1. Project name: *“Study on adsorption capacity of some heavy metal ions from aqueous solution onto modified laterite material for analytical applying”*, Funding institution: MOET, B2007 TN 04-06. Accepted in 2009 - excellent grade.
2. Project name: *“Study on adsorption capacity of some heavy metal ions onto using apatite ore modified laterite and test for environment treatment”*, Funding institution: Thai Nguyen University, ĐH2013-TN04-07. Accepted in 2015 – good grade.

##### **❖ University level**

1. Project name: *“Study on adsorption capacity of some toxic substances from aqueous solution using modified apatite ore and test for environment treatment”*, Funding institution: Thai Nguyen University of Education. CS2016-SP-10. Accepted in 2017 - excellent grade.
2. Project name: *“Modification adsorption material from laterite soil and applying the material to treating organic pigments from aqueous solution”*, Funding institution: Thai Nguyen University of Education. CS2019-01. Accepted in 2020 – qualified grade.

#### **V. Published Books**

#### **VI. Supervisor (Master)**

| <b>No</b> | <b>Name</b>     | <b>Degree</b> | <b>Training organization</b> | <b>Guidance year</b> | <b>Graduation year</b> |
|-----------|-----------------|---------------|------------------------------|----------------------|------------------------|
| 1         | Nguyen Thi Hoa  | Master        | Thai Nguyen University       | 2012                 | 2013                   |
| 2         | Gia Đình Thai   | Master        | Thai Nguyen University       | 2013                 | 2014                   |
| 3         | Nguyen Ngoc Quy | Master        | Thai Nguyen University       | 2013                 | 2014                   |
| 4         | Ma Thi Van Ha   | Master        | Thai Nguyen University       | 2014                 | 2015                   |

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| 5  | Nang Hong Nhung       | Master | Thai Nguyen University | 2014 | 2015 |
| 6  | Đinh Quoc Hai         | Master | Thai Nguyen University | 2015 | 2016 |
| 7  | Phonsavanh Nammixay   | Master | Thai Nguyen University | 2015 | 2016 |
| 8  | Le Thi Hai Yen        | Master | Thai Nguyen University | 2015 | 2016 |
| 9  | Hoang Thi Tho         | Master | Thai Nguyen University | 2016 | 2017 |
| 10 | Nguyen Huu Hiep       | Master | Thai Nguyen University | 2016 | 2017 |
| 11 | Truong Thi Hoa        | Master | Thai Nguyen University | 2017 | 2018 |
| 12 | Honglatda Taochanhxay | Master | Thai Nguyen University | 2017 | 2018 |
| 13 | Nguyen Thi Linh Trang | Master | Thai Nguyen University | 2018 | 2019 |

## VII. Honors and Awards

+ 01 merit certificate from the Director of Thai Nguyen Univesity, 2014 (Decision No. 1348/QĐ/KT, August 22, 2014, of the Director of Thai Nguyen Univesity).

+ 01 merit certificates from the Minister of Education and Training, 2015 (Decision No. 4205/QĐ-BGD&ĐT, October 07, 2015, of the Minister of Education and Training).

+ 03 merit certificates from the Rector of Thai Nguyen University of Education, 2017, 2017, and 2019 (Decision No. 2422/QĐ-ĐHSP, July 20, 2017; Decision No. 3209/ QĐ-ĐHSP, September 19, 2017; Decision No. 3902/QĐ-ĐHSP, July 18, 2019, of the Rector of Thai Nguyen University of Education).

*Thai Nguyen, September 20, 2020*

**Ngô Thị Mai Việt**