

SCIENTIFIC CURRICULUM VITAE



I. Personal Information

Name	HAU VU THI	
Gender	Female	
Date of birth	October 16, 1976	
Place of birth	Thai Nguyen District - Thai Nguyen Province	
Homeland	Yen Bac Commune – Duy Tien District – Ha Nam Province	
Position	Party member, Vice Head of Division	
Degree	Doctor Year: 2012 Major: Theoretical Chemistry and Physical Chemistry	
Scientific title	Accreditation year:	
Teaching subjects	Chemical kinetics, quantum chemistry, practice physical chemistry	
Research area	Adsorption, catalyst	
Foreign Language	English.	
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II. Qualifications

- 1998: B.Sc in Chemistry in Education, Thai Nguyen University of Education.
- 2002: M.Sc in Physical Chemistry, Ha Noi University of Education.
- 2012: Ph.D in Physical Chemistry, University of Natural Sciences - Vietnam National University.

III. Scientific Publications

❖ Articles on International Journals:

1. T.H Cao, T.M Nguyen, **T.H Vu**, N.D Vu (2010) “Study on pre-treatment of dyeing wastewater by Wet Air Oxidation and Fenton Oxidation. *Southeast Asian Water Environment* 4, pp.93-100.

2. Pham Minh Doan, Ngoc Dung Tran, **Thi Hau Vu** and The Ha Cao (2011). "Catalytic Wet Oxidation of Wastewater from Pulping Industry Using Solid Water Containing Iron Oxides". *Journal of Chemiscal Engineering of Japan*, Vol.44(2), pp. 123 – 129.
3. V.N.Duy, **V.T.Hau**, L.V.Chieu and C.T.Ha (2015), "Colour and Chemical Oxygen Demand Removals in Oxidation of Reactive Blue 19 Using Wet Air Oxidation Catalyzed by Natural Ores", *Asian Journal of Chemistry*, Vol.27(10), pp. 3809 – 3812.
4. Loan T.T. Nguyen , Lan T.H. Nguyen, N.T.T. Hang, Nguyen Quang Hai, **Vu Thi Hau**, Duy Trinh Nguyen, To-Uyen T. Dao (2019), Influence of Fuel on Structure, Morphology, Magnetic Properties and Photocatalytic Activity of NiFe_2O_4 Nanoparticles, *Asian Journal of Chemistry*; Vol. 31 (12), pp. 2865-2870.
5. Nguyen Thi To Loan, Nguyen Thi Hien Lan, Nguyen Thi Thuy Hang, Nguyen Quang Hai, Duong Thi Tu Anh, **Vu Thi Hau**, Lam Van Tan and Thuan Van Tran (2019), "CoFe₂O₄ Nanomaterials: Effect of Annealing Temperature on Characterization, Magnetic, Photocatalytic, and Photo-Fenton Properties", *Processes*, 7(12), 885.
6. 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 Pollu*, 231: 285.

❖ Articles in national Journals

1. Ngo Thi Thuan, Nguyen Duc Chuy, **Vu Thi Hau** (2003), Catalytic activity contains zeolite converted from Thuan Hai bentonite in the benzene alkylation reaction, *Journal of Chemistry and Applications*, November issue, pp. 23- 27.
2. **Vu Thi Hau**, Vu Ngoc Duy, Cao The Ha (2010), Screening of catalytic activities of natural ores in wet air oxidation process for dye-stuff treatment, *Journal of Science and Technology - Viet Nam Academy of Science and Technology*, Vol.48, No. 2A, pp. 235-242.
3. **Vu Thi Hau**, Vu Ngoc Duy, Cao The Ha (2010), Kinetics of RB19 decolorization in catalytic wet air oxidation (CWAO) process using *Cao Bang pyrolusite* catalyst , *Journal of Analytical Sciences*, Vol.15, No. 03, pp 32 - 36.
4. **Vu Thi Hau**, Vu Ngoc Duy, Cao The Ha (2010), Kinetics of Reactive Blue 19 (RB19) dyes adsorption process using Cao Bang manganese ore, *Journal of Chemistry*, Vol.48(C), pp. 295 – 299.
5. **Vu Thi Hau**, Vu Ngoc Duy, Cao The Ha (2011), Screening of catalytic activities

- of some manufacturing catalysts on the basis of iron oxide, manganese oxide in wet air oxidation process for dye-stuff treatment, *Journal of Chemistry*, Vol.49(3A), pp. 327-332.
6. **Vu Thi Hau**, Dang Thi Thuy (2011), Study adsorption capacity of reactive blue 19 (RB19) on iron ore and modified iron ore, *Journal of Science and Technology Thai Nguyen University*, Vol. 40, No. 04, pp. 143-147.
 7. **Vu Thi Hau**, Vu Ngoc Duy, Cao The Ha (2011), Kinetics of some reactive dyes decolorization in catalytic wet air oxidation (CWAO) process using modified *Cao Bang pyrolusite* catalyst, *Journal of Chemistry*, Vol.49(2ABC), pp. 143-147.
 8. Cao The Ha, **Vu Thi Hau** (2011), "Pot life, regeneration and catalytic reuse in liquid phase oxidation (WO) treatment of dyed wastewater, *Journal of Chemistry*, Vol.49, No.5 (AB), pp. 267 – 275.
 9. **Vu Thi Hau**, Vu Ngoc Duy, Cao The Ha (2011), Catalytic activity of *Pyrolusite* ore for decolourization of RB19 dye stuff in Wet Air Oxidation, *Journal of Analytical Sciences*, Vol.16, No. 01, pp 24 - 27.
 10. **Vu Thi Hau**, Cao The Ha (2012), Investigation of catalytic activity of some catalysts prepared on the basis of copper ore, manganese ore and iron in catalytic wet air oxidation of active dyes RB19, *Journal of adsorption and catalysis*, Vol. 1, No .1, pp. 60 -65.
 11. **Vu Thi Hau**, Cao The Ha (2013), Analyzing the real dyed wastewater treatment ability post wet air oxidation by microbiological techniques, *Journal of adsorption and catalysis*, Vol. 2, No .4, pp. 89 -94.
 12. **Vu Thi Hau**, Pham Ngoc Chuong (2014), Research on the adsorption capacity of Reactive Blue 19 (RB19) and Basic Violet 4 (BV4) dyes on Cao Bang manganese ore, *Journal of Science and Technology Thai Nguyen University*, Vol. 120, No. 06, pp. 121-126.
 13. **Vu Thi Hau** (2014), Research on the adsorption capacity of Cr(VI) and Ni (II) on Cao Bang manganese ore, *Journal of Science and Technology Thai Nguyen University*, Vol. 128, No. 14, pp. 77- 83.
 14. **Vu Thi Hau**, Hoang Thi Thu Dung (2016), Studying the absorbent ability of Ni(II) and Mn(II) by modificative iron ore, *Journal of Science and Technology Thai Nguyen University*, Vol. 147, No. 02, pp. 41- 47.
 15. **Vu Thi Hau**, Nguyen Thi Thuong (2016), Studying the absorbent ability of

methylene blue and methyl orange of adsorptive materials made was Trai Cau – Thai Nguyen iron ore, Journal of Science and Technology Thai Nguyen University, Vol. 155, No. 10, pp. 9- 15.

16. **Vu Thi Hau** (2016), Studying the absorbent ability of methylene blue and methyl orange and methyl red of iron what was modified by nickel oxide, Journal of Science and Technology Thai Nguyen University, Vol. 159, No. 14, pp 15- 22.
17. **Vu Thi Hau**, Nguyen Thuy Linh (2017), Study on the adsorption capacity of methylene blue and methyl orange of adsorptive materials derived from lotus stalks, Journal of Science and Technology Thai Nguyen University, Vol. 169, No. 9, pp 151- 157.
18. **Vu Thi Hau**, Trinh Thu Nguyen (2017), Study on the adsorption capacity of Ni(II), Cr(VI) on carbon derived from lotus stalks, Journal of Analytical Sciences, Vol.22, No. 04, pp. 81 - 87.
19. Le Minh Ngoc, **Vu Thi Hau** (2018), Study on the adsorption capacity of Cr(VI) on carbon derived from lotus stalks, Journal of Science and Technology Thai Nguyen University, Vol. 181, No.05, pp. 171- 177.
20. Vi Thi Linh, **Vu Thi Hau** (2018), Study on adsorption capacity of Mn(II) on carbon derived from lotus, Journal of Science and Technology Thai Nguyen University, Vol. 185, No.09, pp. 131- 137.
21. **Vu Thi Hau** (2019), Study on adsorption capacity of Fe(III) on carbon derived from lotus active by sulfuric acid, Journal of Science and Technology Thai Nguyen University, Vol. 200, No.7, pp. 25- 32.
22. **Vu Thi Hau**, Đang Thi Hoai (2019), Study on the adsorption capacity of methylene blue on activated carbon prepared from soybean residue, Journal of Science and Technology Thai Nguyen University, Vol. 208, No.15, pp. 35- 42.
23. Vatsana Inthapasong, **Vu Thi Hau** (2020), Preparation of charcoal from soybean residue and adsorption capacity for Cr(VI) of it, Journal of Science and Technology Thai Nguyen University, Vol. 225, No.06, pp. 432- 438.

❖ Domestic conferences

1. **Vu Thi Hau**, Vu Ngoc Duy, Cao The Ha (2010). An overview on application of Wet Air Oxidation in wastewater treatment, Sixth Conference of Natural Sciences

University - Hanoi National University, pp. 82- 90.

IV. Research Grants/ Projects

❖ Ministry level

1. Project name: “Investigation of preparing and applying the catalyst for wet air catalytic oxidation of the reactive color dyes in textile wastewater”, Funding institution: MOET, B2009-TN-04-22. Accepted in 2011 - good grade.

❖ University level

1. Project name: “Research adsorbent manufactured from Trai Cau - Thai Nguyen iron ore and environmental treatment trials”, Funding institution: Thai Nguyen University, ĐH2014-TN04-08. Accepted in 2017 – **good** grade.

• Grassroots level

1. Project name: “Research on converting Thuan Hai bentonite and fly ash of Pha Lai thermal power plant into products containing zeolite and initially studying their adsorption capacity”. Funding institution: Thai Nguyen University of Education, Accepted in 2007 – good grade.
2. Project name: “Study on the adsorption capacity of some heavy metal ions, dyes in the aqueous environment of adsorbent materials made from lotus stem, Funding institution: Thai Nguyen University of Education, CS09, Accepted in 2018 – good grade.

V. Published Books

1. Kinetic Chemistry (2018), Thai Nguyen University Publishing House, Viet Nam.

VI. Supervisor (Master)

No	Name	Degree	Training organization	Guidance year	Graduation year
1	Hoang Thi Thu Dung	Master	Thai Nguyen University	2013	2014
2	Nguyen Thi Thuong	Master	Thai Nguyen University	2014	2015
3	Nguyen Thi Nguyet	Master	Thai Nguyen University	2015	2016
4	Duong Thi May	Master	Thai Nguyen University	2015	2016
5	Trinh Thu Nguyen	Master	Thai Nguyen University	2016	2017
6	Nguyen Thuy Linh	Master	Thai Nguyen University	2016	2017

7	Thongvanh Phonemany	Master	Thai Nguyen University	2017	2018
8	Vi Thi Linh	Master	Thai Nguyen University	2017	2018
9	Phung Thi Ngoc Anh	Master	Thai Nguyen University	2018	2019
10	Nguyen Thi Thanh Hoai	Master	Thai Nguyen University	2018	2020

VII. Honors and Awards

+ 01 merit certificates from the Minister of Education and Training, 2013 (Decision No. 5229/QĐ-BGD&ĐT, November, 07, 2013, of the Minister of Education and Training).

+ 02 Certificate of Merit from the Director of Thai Nguyen University 2007 and 2012 (Decision No. 747 ĐHTN, November, 12, 2007; Decision No. 962 ĐHTN, August, 29, 2012 of the Director of Thai Nguyen University).

Thai Nguyen, September 16, 2020

Vu Thi Hau