

CURRICULUM VITAE

1. Personal information:

Full name: Vu Thi Thao
Gender: Female
Date of birth: 20 December 1988
Marital status: Married
Nationality: Vietnamese
Current position: Head of Academic Affair Department
Qualification: PhD in Inorganic and Physical Chemistry
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2. Current Organization: Hanoi School of Business and Management (HSB), under Vietnam National University Hanoi (VNU)

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3. Education and qualifications:

Nov 2013 – Sep 2016 **Ivanovo State University of Chemistry and Technology**
PhD in Inorganic and Physical Chemistry
Ivanovo, Russia

Sep 2012 – Jul 2013 **Ivanovo State University of Chemistry and Technology**
Master of Science, Chemistry
Ivanovo, Russia

Sep 2008 – Jul 2012 **Ivanovo State University of Chemistry and Technology**
Bachelor of Science, Chemistry
Ivanovo, Russia

4. Certificate of training

Professional qualifications of short-term pedagogical training course in chemical teaching methods (2013, Ivanovo, Russia)

5. Working experience

Time	Institutions	Positions
2013-2016	Ivanovo State University of Chemistry and Technology, Russia, Ivanovo	PhD student, Assistant lecturer
2017-now	Hanoi School of Business and management, Vietnam, Hanoi	Lecturer, Head of Academic affairs department

6. Research fields

Chemistry, Nanotechnology, Nanomaterial, Environment, Environmental Technology, Environmental Security, Water Security.

7. Language skills:

- Vietnamese: Mother tongue
- Russian: Fluent
- English: Good

8. Projects

№	Project Name	Funded by	Duration	Participant roles
1.	Development of new photosensitizers for the control of resistant strains of microorganisms: synthesis, properties, microbiological testing	Russian Scientific Fund, project № 15-13-000096	2015-2017	member
2	Nanostructures of amphiphilic calixarenes in the Langmuir layers as a tool for managing the structural organization of medicines	The Russian Foundation for Basic Research (RFBR), project № 15-42-03211	2015-2017	member

9. Journal Publications

- [1] Larissa A. Maiorova, Thao T. Vu, Olga A. Gromova, Konstantin S. Nikitin, Oskar I. Koifman: *Nanostructured Stable Floating M-Mono- and Bilayers and Langmuir-Schaefer Films of 5,10,15-Triphenylcorrole* (<http://rdcu.be/tRru>). *BioNanoScience* 01/2018; 8(1):81-89., DOI:10.1007/s12668-017-0424-0
- [2] N. M. Berezina, Vu Thi Thao, D. B. Berezin, M. I. Bazanov: Synthesis and redox characteristics of iron complexes with triphenylsubstituted corrols in the presence of argon and oxygen. *Russian Journal of Inorganic Chemistry* 12/2017; 62(12):1619-1623., DOI:10.1134/S0036023617120051
- [3] D. B. Berezin, Vu Thi Thao, S. S. Guseinov, O. V. Shukhto, N. M. Berezina, M. I. Bazanov, D. V. Petrova, A. S. Semeikin: *Synthesis, stability, and electrocatalysis by Cu(II) and Zn(II) complexes of meso-bridged isomeric porphyrinoid tetraphenylporphycene*. *Russian Journal of Inorganic Chemistry* 05/2017; 62(5):688-694., DOI:10.1134/S0036023617050035
- [4] Vu Thi Thao, D. R. Karimov, S. S. Guseinov, E. V. Balantseva, D. B. Berezin: *Thermal stability of meso-substituted metal corroles in inert and oxidative media*. *Russian Journal of Physical Chemistry* 03/2016; 90(3):517-521., DOI:10.1134/S003602441603033X
- [5] Thao T. Vu, Larissa A. Maiorova, Dmitrii B. Berezin, Oskar I. Koifman: *Formation and study of nanostructured M-monolayers and LS-films of triphenylcorrole*. *Macroheterocycles* 01/2016; 9(1):73-79., DOI:10.6060/mhc151205m
- [6] D. B. Berezin, O. V. Shukhto, Vu Thi Thao, D. R. Karimov, B. D. Berezin: *Kinetic stability of corrole complexes with manganese, copper, and zinc in environments based on acetic and sulfuric acids*. *Russian Journal of Inorganic Chemistry* 12/2014; 59(12):1522-1529., DOI:10.1134/S0036023614120067
- [7] N. M. Berezina, Vu Thi Thao, D. R. Karimov, R. S. Kumeev, A. V. Kustov, M. I. Bazanov, D. B. Berezin: *Synthesis and properties of β -brominated metal complexes of meso-triphenylcorrole*. *Russian Journal of General Chemistry* 04/2014; 84(4):737-744., DOI:10.1134/S1070363214040239
- [8] Vu Thi Thao, Berezina N.M., Berezin D.B., Bazanov M.I., Influence of the nature of the metal and total β -bromine substitution on the electrochemical behavior of metallotriphenylcorroles // In: Actual problems of the theory and practice of electrochemical processes. - Engels. - 2014. - T. 2. - P. 115-120.

10. Conference Proceedings

1. Berezin D.B, Shukhto O.V., Vu Thi Thao, Karimov D.R. Reactions of dissociation of meso-triphenylcorrole metal complexes with Zn (II), Mn (III) and Cu (III), Abstracts 11 of the International. Conf. on physical and coordination chemistry of porphyrins and their analogues (ICPC-11), Odessa, Ukraine. - 2011 - P.90.

2. Vu Thi Thao, Synthesis and properties of Cu (III) and Mn (III) complexes with meso-phenyl-substituted corroles, Abstracts IX Regional Student Scientific Conference with international participation "Fundamental Sciences – for Specialists of the New Century", Ivanovo, Russia. - 2012 - T. 1. - P-17.

3. Vu Thi Thao, Shukhto O.V., Karimov D.R., Berezina N.M., Bazanov M.I., Berezin D.B., Metal Nature and Substitution Effects on the Stability and Electrocatalytic Activity of Metalloporroles, Abstr. 6th Intern. Conf. "Chemistry of nitrogen containing heterocycles", Kharkov, Ukraine. - 2012 г. - P. 4.

4. Vu Thi Thao, Synthesis, stability and electrocatalytic activity of Cu (III) and Mn (III) complexes with meso-phenyl-substituted corroles, Abstracts "XXII Mendeleev conference for young scientists", St. Petersburg, Russia. - 2012 - P. 71.

5. N.M. Berezina, D.B. Berezin, Vu Thi Thao, D.R. Karimov, M.I. Bazanov, Effect of complete β -bromine substitution on the electrochemical behavior of metalloporroles, Abstracts International youth scientific school "Chemistry of porphyrins and related compounds", Ivanovo, Russia. - 2012 - P. 14-15.

6. Vu Thi Thao, Synthesis, chemical stability and electrochemical characteristics of Cu, Mn and Fe metalloporroles with various types of functional substitution. Abstracts Materials of the regional student scientific conference, Ivanovo, Russia. - 2013 - T. 1. - P. 180.

7. Berezina N.M, Berezin D.B., Vu Thi Thao, Bazanov M.I., Synthesis and electrochemical properties of β -octabromotriphenylcorroles, International joint conference: V conference "modern methods in theoretical and experimental electrochemistry" and IV conference "electrochemical and electrolyte-plasma methods for the modification of metallic surfaces", Ples, Russia. - 2013 - P. 81.

8. Vu Thi Thao, S.S. Guseinov, D.B. Berezin, The State of N-Substituted Porphyrins and Their Metal Complexes in Polythermal Conditions, Book of Abstracts: Russian Seminar on the

Chemistry of Porphyrins and Their Analogues XXI Scientific Session, Ivanovo, Russia. - 2014 - P.49-50.

9. Vu Thi Thao, Berezina N.M., Berezin D.B., Bazanov M.I., Electrochemical properties of metal complexes of N-methyl-substituted tetraphenylporphyrin, Book of Abstracts: The Youth Scientific School-Conference "Electrochemical Methods for Producing and Analyzing New Functional Materials" , Ples, Ivanovo region., Russia. - 2014 - P. 53.

10. Vu Thi Thao, Karimov D.R., Shukhto O.V., Berezina N.M., Bazanov M.I., Berezin D.B., Metalloporphyrins: synthesis, polythermal stability, dissociation of complexes, interphase electrocatalysis, Book of Abstracts: V International Conference on Physical Chemistry of Crown Compounds, Porphyrins and Phthalocyanines, dedicated to the 290-th anniversary of the founding of the Russian Academy of Sciences, Tuapse, Russia. - 2014 - P. 32.

11. Vu Thi Thao, A.A. Azorina, O.V. Shukhto, S.S. Huseynov, N.M. Berezina, M.I. Bazanov, D.B. Berezin, N-Substituted metallocomplexes of porphyrins: physicochemical properties and application in interphase electrocatalysis // Book of Abstracts of the V International Conference on Physical Chemistry of Crown Compounds, Porphyrins and Phthalocyanines, Tuapse, Russia. - 2014 - P. 66.

12. Kustov A.V., Kruchin S.O., Romanenko Yu.V., Belykh D.V., Smirnova N.L., Shukhto O.V., Vu Thi Thao, Berezin D.B., Thermodynamics of Dissolution and Solvation photosensitizers based on derivatives of deuteroporphyrin and chlorin e6 in aqueous and non-aqueous environments // Abstracts of the IV International Conference "Supramolecular systems in the interface", Tuapse, 2015. P. 110.

13. Vu Thi Thao, Shukhto O.V., Karimov D.R., Berezin D.B., Dissociation of complexes of porphyrins in proton-donor solvents, Book of Abstracts of the XII All-Russian conference with international participation "Problems of solvation and complex formation in solutions. From effects in solutions to new materials" , Ivanovo, Russia. - 2015 - P. 164-165.

14. Shukhto O.V., Vu Thi Thao, Berezin D.B., Petrova D.V., Semeikin A.S., Synthesis and kinetic stability of Cu (II) and Zn (II) complexes with 2,7,12,17-tetraphenylporphyrin, Book of Abstracts of XII All-Russian conference with international participation "Solvation and complexation problems in solutions. From effects in solutions to new materials" , Ivanovo, Russia. - 2015 - P. 163.

15. Synthesis, stability, spectral and electrocatalytic characteristics of complexes of β -tetraphenylporphycene // Abstracts of the 7th International scientific and technical Conference "Modern methods in theoretical and experimental electrochemistry ", Ples, Russia, 2015 – P.89.

16. Vu Thi Thao, Mayorova L.A., Berezin D.B., Bulkina T.A., Koifman O.I., Preparation of monomolecular layers of 5,10,15-triphenylcorrole, Abstracts of the 10th All-Russian School-Conference of young scientists "Theoretical and experimental chemistry of liquid-phase systems", Ivanovo, Russia. - 2015 – P. 162-163.

17. Vu Thi Thao, Thin-film nanomaterials and electrocatalysts based on aromatic derivatives of vitamin B12 and their metal complexes, Abstracts of the IX competition of projects for young scientists, Moscow, Russia. - 2015 - P. 6-7.

18. Berezina N.M, Vu Thi Thao, Berezin D.B., Bazanov M.I., The Effect of Chemical modification of Fe-triphenyl corroles on their electrocatalytic activity, Abstracts XII International Conference "Synthesis and application of porphyrins and their analogues" (ICPC- 12) X School of Young Scientists of the commonwealth of independent countries on the chemistry of porphyrins and related compounds, Ivanovo, Russia. - 2016 - P. 51.

19. Vu Thi Thao, Mayorova L.A., Berezin D.B., Koifman O.I, Influence of formation conditions on the structure of monolayers of triphenylcorrole, Abstracts XII International Conference "Synthesis and application of porphyrins and their analogues" (ICPC-12) X School of young scientists of the commonwealth of independent countries on the Chemistry of Porphyrins and Related Compounds, Ivanovo, Russia. - 2016 - P. 96.

20. Vu T.T, Kharitonova N.V., Zimicheva N.N., Influence of copper atom in the composition of the complex on the nanostructure of floating monolayers and LS films of triphenylcorrole, Abstracts of XI Regional Student Scientific Conference with international participation "Fundamental Science for a specialist of the New Century", Ivanovo, Russia. - 2016 - T. 1. - P. 9.

21. Dmitry Berezin, Thao Vu Thi, Olga Shukhto, Anastasiya Talanova, Nadezhda Berezina, Mikhail Krestyaninov, Alexander Semeykin, Isomeric, N-Substituted and Contracted Porphyrinoids: Tautomeric and Acid-Base Equilibria, Thermal and Acid Media Stability and Electrocatalysis by Metallocomplexes, International Conference on Porphyrins and Phthalocyanines, Nanjing, China. - July 3-8. - 2016.

22. Berezina N.M., Vu Thi Thao, Mayorova L.A., Berezin D.B., Bazanov M.I., Koifman O.I., Thin film nanomaterials and electrocatalysts based on triphenylcorrole, Abstracts of VIII All-Russian (with international participation) scientific conference "Modern methods in theoretical and experimental electrochemistry", Ples, Ivanovo region, Russia. - 2016 - P. 81.

23. D.B. Berezin, Vu Thi Thao, O.V. Shukhto, A.E. Talanova, N.M. Berezina, M.A. Krestyaninov, A.S. Semeykin, Isomeric, N-substituted and contracted porphyrinoids: tautomeric and acid-base equilibria, thermal and acid-media stability of metallocomplexes, electrocatalytic studies. Abstracts of International Conference on Porphyrins and Phthalocyanines ICPP-9., Nankin', 2016. p. 333.

Achievements and Prizes

1. Certificate for "The second place at the university Olympiad of mathematics", Ivanovo, 2009.
2. Certificate for "The second place at the university Olympiad of inorganic chemistry", Ivanovo, 2009.
3. Certificate for "A deep theoretical approach to the study of the Russian language and literature" at the VII Regional Student Scientific Conference with international participation, In Topic: "Fundamental Science for Specialists of the new century - Subsection: "Dialogue of Languages and Cultures", Ivanovo – 2010.
4. Certificate for "The best art reflection of the Olympic topic" at the XII All-Russian Olympiad for students speaking Russian as a foreign language, Moscow, 2011.
5. Certificate for "The good results of study and active participation in general activities of the University", ISUCT, Ivanovo, 2011.
6. Certificate for "The creative approach to the study of the social and cultural environment of the University" at the IX Regional Student Scientific Conference with international participation "Fundamental Science for the Specialists of the New Century" - Subsection: "Chemistry and Culture", Ivanovo - 2012.
7. Certificate for "The third place at the IX Regional Student Scientific Conference with International Participation" - "Fundamental Sciences for the Specialists of the New Century" - Section: "Fundamental problems of inorganic and physical chemistry", Ivanovo - 2012.

8. The certificate for “The achievements in educational and scientific activities for the Youth”, issued by the Central Committee of Ivanovo city, Ivanovo, 2012.
9. Certificate for “The second place at the student conference "Days of Science-2013" - "Fundamental Science for the specialists of the New Century "- Section of the Department of Organic Chemistry, Ivanovo, 2013.
10. Certificate for “The third prize of the young specialist with the report at the international conference named "Macrocyclic compounds at the interface 2014", Tuapse, Russia, 2014.
11. Certificate for the best poster presentation at the 12th all-Russian conference with international participation "Problems of solvation and complex formation in solutions, from effects in solutions to new materials", Ivanovo, Russia, 2015.
12. Certificate for the best poster presentation at the 10th all-Russian scientific conference for young specialists "Theoretical and experimental chemistry of liquid-phase systems" (Krestov readings), Ivanovo, Russia, 2015.
13. Certificate for the first prize of the IX contest for young scientists' projects, Moscow, Russia, October 28, 2015.
14. Certificate for the best poster presentation at the XI regional student scientific conference with international participation - Section "Fundamental problems of inorganic, organic and physical chemistry", Ivanovo, 2016.

Others

Member of the Science & Technology for Environmental Security research group (HSB-STES).

Hanoi, 20 June 2018