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PhD supervisor



HO THI THANH VAN

Associate Professor

Ministry of Natural Resources and
Environment

**Ho Chi Minh City University of Natural
Resources and Environment**



Language(s): English, Vietnamese

Contact: Department of R&D and External Relations

Phone: 84913603994 **E-mail:** httvn@hcmunre.edu.vn

Potential areas for PhD supervision:

- ~ Renewable energy
- ~ Environmental Engineering
- ~ Waste management

Supervising experience:

- 2 PhD students
- 11 Master students

Employment history in last 5 years:

2014 – present Ho Chi Minh City University of Natural Resources and Environment

Awards

- 2020 Top 23/100 Asian Scientist 2020 Asian Scientist
- 2019 The L'oreal-UNESCO for Women in Science National Award 2019
- 2019 The 3rd Award of Ho Chi Minh City Creative Awards-2019
- 2019 The 1st award, the 21th Euréka Science Research Student Award 2019 (Advisor)

Education – since bachelor degree:

- Doctorate of Chemical Engineering/Nano-electrochemistry for Renewable Energy, Department of Chemical Engineering, National Taiwan University of Science and Technology, 2011.
- Master of Chemical Engineering, Ho Chi Minh University of Technology-Vietnam National University, Ho Chi Minh City, 2006.
- Bachelor of Chemical Engineering, Ho Chi Minh University of Technology-Vietnam National University, Ho Chi Minh City, 2003.

Selected recent papers:

1. Hau Quoc Pham, Tai Thien Huynh, Anh Tram Ngoc Mai, Thang Manh Ngo, Long Giang Bach, **Van Thi Thanh Ho***, 2019 Wire-like Pt on mesoporous Ti0.7W0.3O2 Nanomaterial with Compelling Electro-Activity for Effective Alcohol Electro-Oxidation” Scientific Report, 9, 14791 (2019) (*SCI*; *IF* = 4.525; *Q1*).



2. At Van Nguyen, Tai Thien Huynh, Hau Quoc Pham, Vi Thuy Thi Phan, Son Truong Nguyen, **Van Thi Thanh Ho***, 2018, "Novel nanorod $Ti_{0.7}Ir_{0.3}O_2$ prepared by facile hydrothermal process: A promising non-carbon support for Pt in PEMFC", International Journal of Hydrogen Energy, 44, 2361-2371 (2018) (SCI; IF = 4.939; Q1).
3. **Thi Van Thanh Ho**, Minh Pham Dang, Thoa Lu Tu, Tai Huynh Thien & Long Giang Bach, Assessing the Ability to Treat industrial Wastewater by Constructed Wetland Model Using the *Brachiaria mutica*, Waste and Biomass Valorization, 39, (2020).
4. **Van Thi Thanh Ho**, Minh Pham Dang, Lam Tu Lien, Tai Thien Huynh, Tran Van Hung & Long Giang Bach, Study on Domestic Wastewater Treatment of the Horizontal Subsurface Flow Wetlands (HSSF CWs) Using *Brachiaria mutica*, 69, (2020).
5. Hau Quoc Pham, Tai Thien Huynh, Long Giang Bach, **Van Thi Thanh Ho**, Synthesis and characterization the multifunctional nanostructures $Ti_xW_{1-x}O_2$ ($x = 0.5; 0.6; 0.7; 0.8$) supports as robust non-carbon support for Pt nanoparticles for direct ethanol fuel cells, <https://doi.org/10.1016/j.ijhydene.2020.03.066>, (2020) (SCI; IF = 5.578 ; Q1).



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HOANG THI THANH THUY

Associate Professor

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Resources and Environment



Language(s): English, German, Vietnamese

Contact: Geology and Mineral Resources Faculty

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Potential areas for PhD supervision:

- ~ Environmental Geochemistry
- ~ Sustainable Mining students

Supervising experience:

8 Msc students
1 PhD student, 4 Master students

Employment history in last 5 years:

2009 – present Ho Chi Minh City University of Natural Resources and Environment.

Membership of professional association:

- 1993-2000 Member of General Department of Geology and Mineral of Vietnam, Viet Nam.
- 2000-2004 Technician Staff of General Department of Geology and Mineral of Vietnam, Viet Nam.
- 2004-2009 Lecturer/Researcher of Institute of Environment and Resources, Viet Nam.
- 2009 – Present Head of Department of Geology and Mineral Resources Faculty, Ho Chi Minh City University of Natural Resources and Environment.

Education – since bachelor degree:

- Doctorate of Applied Geology, University of Erlangen-Nuremberg, Germany, 1998.
- Bachelor of Geology Exploration, Hanoi University of Mining and Geology, Ha Noi City, Viet Nam, 1992.



Selected recent papers:

1. **Thuy HTT**, Loan TTC, Luu PT, Dong NV, Bao LD, Phuong TH, Khanh NT, Yen TTH, Huy DX: Spatial and temporal variations of PAHs in surface sediments of estuarine and coast of CanGio wetland, Vietnam, *Environmental Science and Pollution Research/Springer*, 2020, doi: 10.1007/s11356-020-08523-8.
2. Luu PT, **Thuy HTT**, Loan TTC, Yen TTH, Bao LD, Dong NV, Huy DX and Nam TV: Bioaccumulation and health risk assessment of polycyclic aromatic hydrocarbons in oyster (*Crassostrea* sp.) and gastropod (*Cymatium* sp.) species from the Can Gio Coastal Wetland in Vietnam, *Marine and Freshwater Research/Csiro publishing*, 2019, doi: 10.1071/MF19055.
3. **Thuy HTT**, Loan TTC, Phuong TH: The potential accumulation of polycyclic aromatic hydrocarbons in phytoplankton and bivalves in Can Gio coastal wetland, Vietnam. *Environmental Science and Pollution Research*, 2018, 25(18):17240-17249.
4. **Thuy HTT**, Loan TTC: Degradation of Selected Pharmaceuticals in Coastal Wetland Water and Sediments, *Water Air Soil Pollution*, 2014, 225:1940.
5. **Thuy HTT**, Tuan ND: The potential environmental risks of pharmaceuticals in Vietnamese aquatic systems: case study of antibiotics and synthetic hormones. *Environmental Science and Pollution Research*, 2013, 20(11):8132-8140.
6. **Thuy HTT**, Nga LP, Loan TT, Quoc DP: A preliminary study on the phytoremediation of antibiotic contaminated sediment. *International Journal of Phytoremediation*, 2013,15(1):65-76.
7. **Thuy HTT**, Nga LP, Loan TT, Quoc DP, Phuong TH: Fate of fluoroquinolone antibiotics in Vietnamese coastal wetland ecosystem. *Wetlands Ecology and Management*, 2012, 20:399-408.
8. **Thuy HTT**, Nga LP, Loan TT: Antibiotic contaminants in coastal wetlands from Vietnamese shrimp farming. *Environmental science and pollution research international*, 2011,18(6):835-841. Number of citations:
9. Bert V, Seuntjens P, Dejonghe W, Lacherez S, **Thuy HT**, Vandecasteele B: Phytoremediation as a management option for contaminated sediments in tidal marshes, flood control areas and dredged sediment landfill sites. *Environmental science and pollution research international*, 2009,16(7):745-764.
10. **Thuy HTT**, Vy NNH, Loan TTC: Anthropogenic input of selected heavy metals (Cu, Cr, Pb, Zn and Cd) in the aquatic sediments of Hochiminh City, Vietnam. *Water air and soil pollution*, 2007,182(1-4):73-81.
11. **Thuy HTT**, Tobschall HJ, An PV: A Statistical Interpretation for the Source Identification of Trace Elements in Surface Soils of Danang-Hoian Area, Vietnam. *Asian Journal of Water, Environment and Pollution*, 2005, 2(1):71-75.



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LE HOANG NGHIEM

Associate Professor
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**Ho Chi Minh City University of Natural
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Language(s): English, Vietnamese

Contact: Academic Affairs Department, HCMUNRE

Phone: 84937060645 **E-mail:** hoangnghiem@hcmunre.edu.vn

Potential areas for PhD supervision:

- ~ Wastewater treatment
- ~ Environmental management and technology
- ~ Waste treatment technology

Supervising experience:

- 1 PhD students
- 13 Master students
- 5 Master students

Employment history in last 5 years:

2015 – present Ho Chi Minh City University of Natural Resources and Environment

Membership of professional association:

- 1995 -1997 Lecturer, Centre of Environmental Technology, Viet Nam
- 1997-2001 Lecturer, Institute of Natural Resources and Environment, Viet Nam
- 2002-2008 Lecturer, Faculty of Environment, Ho Chi Minh city University of Technology, Viet Nam
- 2008-2011 Director, the Center for Developing Information Technology and Geographic Information System (DITAGIS), Viet Nam
- 2012–present Head of the Academic Affairs Department, Ho Chi Minh City University of Natural Resources and Environment, Viet Nam

Education – since bachelor degree:

- Doctorate of Technology and Environmental Management, Asian Institute of Technology (AIT), Thailand, 2008.
- Master of Technology and Environmental Management, Asian Institute of Technology (AIT), Thailand, 1999.
- Bachelor of Environmental Engineering, Ho Chi Minh City University of Technology (HCMUT), Ho Chi Minh City, Viet Nam, 1995.



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Selected recent papers:

1. TRAN Ngoc Chau, **LE Hoang Nghiem** (2013), “Application Mike11 simulates the influence of rafts farming activities on the surface water quality of rivers”, Journal of Environment, ISSN:1859-042X.
2. **LE Hoang Nghiem** (2012), “Applying model tools to assess air pollution level for Nhon Trach industrial zone”, Journal of Resources and Environment, ISSN: 1859-1477.
3. **LE Hoang Nghiem** (2012), “Study on textile wastewater treatment by membrane bio-Reactor tanks”, Journal of Resources and Environment, ISSN: 1859-1477.



NGUYEN DINH TUAN

Associate Professor

Ministry of Natural Resources and Environment
HCM City University of Natural Resources and Environment



Language(s): English, Russian, Vietnamese

Contact: Faculty of Environment

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Potential areas for PhD supervision:

- ~ Environmental management & technology
- ~ Environmental management & technology,
- ~ Water and Air Pollution control

Supervising experience:

- 3 PhD students
- >200 Master students

Employment history in last 5 years:

2013 – present Ho Chi Minh City University of Natural Resources and Environment

Membership of professional association:

- 1979 – 1996 Lecturer, Department of Environmental Engineering, Poly-technique University, Ho Chi Minh City
- 1996 - 2003 Director, the Institute of Natural Resources and Environment, Viet Nam National University Ho Chi Minh City
- 2004 - 2008 Director, Ho Chi Minh City Environmental Protection Agency (HEPA), Viet Nam
- 2008 - 2009 Vice – Rector, Ho Chi Minh City College of Natural Resources and Environment, Viet Nam
- 2009 - 2013 Rector, Ho Chi Minh City University of Natural Resources and Environment, Viet Nam

Education – since bachelor degree:

- Doctorate of Environmental Technology, Viet Nam National University Ho Chi Minh City (VNUHCM), 2003.
- Master of Environmental Engineering, Ho Chi Minh City University of Technology (HCMUT), Ho Chi Minh City, Viet Nam, 1993.
- Bachelor of Ventilation and Thermal Supply, Hanoi National University of Civil Engineering (NUCE), Ho Chi Minh City, Viet Nam, 1978.



Selected recent papers (2011-2020):

1. Cao Nha Vy, **Nguyen Thi Van Ha**, Nguyen Dinh Tuan (2018). Study on the regional risk assessment methodology for chemicals in Ho Chi Minh City. *Journal of Environment* 2018, 58-63. ISSN: 1859 -042K.
2. **NGUYEN Dinh Tuan**, (2015) “Data on Air quality Monitoring in Ho Chi Minh City, Viet Nam in the Period 1995 - 2015”, The second Workshop on Atmospheric Composition and the Asian Monsoon, 8-10 June, 2015, Bangkok, Thailand.
3. **NGUYEN Dinh Tuan**, (2014) “Green House Gas (GHG) emission inventory and management measures in Ho Chi Minh City, Viet Nam”, 6th International Workshop on Atmospheric Modeling Research in East Asia. February 6-8, 2015, Zhuhai, Guangdong Province, China.
4. **NGUYEN Dinh Tuan**, (2014) “Assessing the status and forecasting the trend of green-house gas emission in Ho Chi Minh city and proposing mitigation measures toward a low-carbon city”, International Forum for Sustainable Asia and the Pacific: ISAP 2014, Yokohama, Japan 23-24. July 2014.
5. **NGUYEN Dinh Tuan**, (2014) “Effect of Poverty on the Relationship between Personal Exposures and Ambient Concentrations of air pollutants in HCMC”, *Atmospheric Environment*, S1352- 20142310(14)00532-9 (SCI, 441).
6. Sumi Mehta, Hind Sbihi, **Tuan Nguyen Dinh**, Dan Vu Xuan, Loan Le Thi Thanh, Canh Truong Thanh, Giang Le Truong, Aaron Cohen, Michael Brauer, (2014) “Effect of poverty on the relationship between personal exposures and ambient concentrations of air pollutants in Ho Chi Minh City”, *Atmospheric Environment*, S1352-20142310(14)00532-9 (SCI,44), <https://doi.org/10.1016/j.atmosenv.2014.07.011>.
7. Nguyen Dinh Tuan, **Nguyen Thi Van Ha**, Huynh Ngoc Ha, Pham Thi Diem Phuong (2014). Study on plastic recycling-fee management in Ho Chi Minh City. *Journal of Science and Technology (4C)*, 85-97, ISSN 0866 708 X.
8. **NGUYEN Dinh Tuan**, (2013) “The study of recycling fee for Plastic, Paper and Glass packaging in Ho Chi Minh City-”, *Proceeding of the International Symposium*, Dankook University, Korea, 15 July, 2013, page 31 – 40.
9. **NGUYEN Dinh Tuan**, (2013) “Study on methods of industrial emission load inventory”, *Vietnam Environment Administration Magazine (VEM)*, ISSN 1859 042X, Vol 6, No 28, 2013, page 169 - 180.
10. **NGUYEN Dinh Tuan**, (2013) “Air Quality Management In Ho Chi Minh City”, *Journal of Science and Technology* ISSN 0866 708X, Vol 51, No 28, 2013, page 169 - 180.
11. **NGUYEN Dinh Tuan**, (2013) “The potential environmental risks of pharmaceuticals in Vietnamese aquatic systems: Case study of antibiotics and synthetic hormones”, *Journal of Environmental Science and Pollution Research*, Vol 20, No 11, 2013, page 8132 - 8142.



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12. **NGUYEN Dinh Tuan**, (2013) “Study on energy saving and environmental pollution mitigating for industrial boiler”, The 3 rd International Conference on Sustainable Energy “RISE toward a Green Future” – HCMUT October 29 – 30, 2013.
13. **NGUYEN Dinh Tuan**, (2013) “Climate Change and Impacts on The Wetlands in Angiang”, Journal of Science and Technology ISSN 0866 708X, Vol 51, No 28, 2013, page 142 - 151.
14. **NGUYEN Dinh Tuan**, (2011) “Emission inventory: an overview for Ho Chi minh City, Vietnam”, Second International Workshop on Emission Inventory in Asia. March 11 and 12, 2011. Ministry of Environment, Japan.
15. **NGUYEN Dinh Tuan**, (2011) “Clean air in Ho Chi Minh City”, Proceedings of International Symposium. Institute of Advances in Science and Technology, Dankook University, Korea, July 6, 2011.



PHAN DINH TUAN

Professor

Ministry of Natural Resources and Environment
**Ho Chi Minh City University of Natural
Resources and Environment**



Language(s): English, Russian, German, Vietnamese

Contact: Faculty of Environment, HCMUNRE

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Potential areas for PhD supervision:

- ~ Chemical and Environmental Engineering
- ~ Mineral beach sand technology
- ~ Inorganic Materials and Nano Technology
- ~ Waste management and Recycle technology

Supervising experience:

- 6 PhD students
- 1 PhD student, 8 Master students
- 2 PhD students, 10 Master students
- 1 PhD student, 5 Master students

Employment history in last 5 years:

2015 – present Ho Chi Minh City University of Natural Resources and Environment

Membership of professional association:

1981-2001 Vice-Director, Institute of Technology of Radioactive and Rare Elements, Viet Nam

2001-2013 Vice-Rector, Ho Chi Minh City University of Technology, Viet Nam

2013 – 2019 Rector, Ho Chi Minh City University of Natural Resources and Environment, Viet Nam

Member of Vietnam Association of Chemistry, Vietnam Association of Chemical Engineers, Vietnam Association of Sciences of Natural products.

Education – since bachelor degree:

- Professor of Chemistry, The State Council for Professor, Ha Noi City, Viet Nam, 2018.
- Associate Professor of Chemistry, The State Council for Professor, Ha Noi City, Viet Nam, 2007.
- Doctor of Philosophy, Hanoi University of Science and Technology (HUST), Ha Noi City, Viet Nam, 1999.
- Bachelor of Chemical Engineering, Hanoi University of Science and Technology (HUST), Ha Noi City, Viet Nam, 1981.



Selected recent papers:

1. Nguyen Quoc Hien*, **Phan Dinh Tuan**, Dang Van Phu, Le Anh Quoc, Nguyen Thi Kim Lan, Nguyen Ngoc Duy, Tran Thai Hoa, Gamma Co-60 ray irradiation synthesis of dextran stabilized selenium nanoparticles and their antibacterial activity against *E. coli*, Materials Chemistry and Physics, 2017 (Published 2018), DOI:[10.1016/j.matchemphys.2017.11.003](https://doi.org/10.1016/j.matchemphys.2017.11.003).
2. Dinh S. Khang, Raymond R. Tan, O. Manuel Uy, Michael Angelo B. Promentilla, **Phan D. Tuan**, Naoya Abe & Luis F. Razon, A design of experiments approach to the sensitivity analysis of the life cycle cost of biodiesel, Clean Technologies and Environmental Policy 20(5), DOI: 10.1007/s10098-017-1384-3.
3. Dinh S.Khang, Raymond R.Tan, O. ManuelUy, Michael Angelo B.Promentilla, **Phan D.Tuan**, NaoyaAbe, Luis F.Razon, Design of experiments for global sensitivity analysis in lie cycle assessment: The case of biodiesel in Vietnam, [Resources, Conservation and Recycling Volume 119](#), April 2017, Pages 12-23.
4. **Tuan Dinh Phan** and Nga Thi Dinh, Highly Efficient Treatment of Shrimp Farm Wastewater by Using the Horizontal Subsurface Flow (HSSF) Constructed Wetlands with *Phragmites australis* Plant, Asian Journal of Environment & Ecology, 4(3): 1-9, 2017; Article no.AJEE.37021 ISSN: 2456-690X.
5. [Dinh Khang](#), [Michael Angelo B. Promentilla](#), [Raymond Tan](#), [Naoya Abe](#), [Tuan Phan Dinh](#), [Luis Razon](#), Multi-criteria approach to assess stakeholders preferences for selection of biodiesel feedstock in Vietnam, January 2016, International Journal of Business and Systems Research 10(2/3/4):306, DOI: 10.1504/IJBSR.2016.075738.
6. FlorencioBallesteros Jr., Tran Hau Vuong, Mona Freda Secondes, **Phan Dinh Tuan**, Removal efficiencies of constructed wetland and efficacy of plant on treating benzene, Sustainable Environment Research, [Volume 26, Issue 2](#), March 2016, Pages 93-96.
7. Tuyet suong Tran 1,2, Jian Yu 1,* , Lina Gan 1,2, Feng Guo 1, **Dinh Tuan Phan** 1 and Guangwen Xu 1,* Upgrading V2O5-WO3/TiO2 deNOx Catalyst with TiO2-SiO2 Support Prepared from Ti-Bearing Blast Furnace Slag, Catalysts 2016, 6, 56; doi:10.3390/catal6040056.
8. Nguyen Thi Lan Phi, Pham Van Hung, Pham Thi Lan Chi & **Phan Dinh Tuan**, Impact of Growth Locations and Genotypes on Antioxidant and Antimicrobial Activities of Citrus Essential Oils in Vietnam, Journal of Essential Oil Bearing Plants, 18:6, 1421-1432, DOI: 10.1080/0972060X.2015.1004124.



9. Nguyen Thi TrucLinh, **Phan Dinh Tuan**, and Nguyen Van Dzung, The Shifts of Band Gap and Binding Energies of Titania/Hydroxyapatite Material, Hindawi Publishing Corporation Journal of Composites Volume 2014, Article ID 283034, 5 pages , <http://dx.doi.org/10.1155/2014/283034>.
10. Nguyen Thi Truc Linh, **Phan Dinh Tuan**, Nguyen Van Dzung, Application of nano TiO₂/Hydroxylapatite composite as photocatalyst in the degradation of phenol in aqueous solution, AARJMD Volume 1, Issue 21 (May 2014), ISSN: 2319 – 2801.
11. Nguyen Thi Truc Linh, **Phan Dinh Tuan**, Nguyen Van Dzung, Photocatalytic Activity of TiO₂-calcium Phosphate Nanocomposite on the Removal of Methylene Blue in Aqueous Suspension, Advanced Materials Research Vols. 622-623 (2013) pp 995-999 © (2013) Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AMR.622-623.995.
12. Nam T.S. Phan*, Ky K.A. Le, **Tuan D. Phan**, MOF-5 as an efficient heterogeneous catalyst for Friedel-Crafts alkylation, Applied Catalysis A: General 382 (2010) 246–253.



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PhD supervisor



NGUYEN THI VAN HA

Associate Professor

Ministry of Natural Resources and Environment
**Ho Chi Minh City University of Natural
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Language(s): English, Vietnamese

Contact: Faculty of Environment, HCMUNRE

Phone: 84918134662

E-mail: ntvha@hcmunre.edu.vn

Potential areas for PhD supervision:

- ~ Water treatment
- ~ Environmental management and technology
- ~ Renewable energy

Supervising experience:

- 01 PhD student (on-going)
- 21 Master students
- 4 Master students

Employment history in last 5 years:

2012 – present Ho Chi Minh City University of Natural Resources and Environment.

Membership of professional association:

- 2008 -2011 Member of Global Center of Excellent on River basin management, Japan
- 2010-2012 Member of Asian Pacific Network of global changes – group of urban water management in Southeast Asia (Vietnam, Thailand, Cambodia and Indonesia).
- 2010-2018 Member of center of excellence on renewable energy and energy efficiency
- 2016 – now Vice-chairman of Bioenergy and sustainable development association in An Giang.

Education – since bachelor degree:

- Doctorate of Urban Environmental Engineering, Department of Urban Engineering, University of Tokyo, Japan, 2010.
- International Master of Advanced Studies (IMAS) in Development Studies: Development and Globalization: Growth and Exclusive, Graduate Institute of development studies (DFD), Geneva, Switzerland, 2004.
- Master of Science (Environmental Risk Assessment for Tropical Ecosystems), ChiangMai University, ChiangMai, Thailand, 1996.
- Bachelor of Science (Agronomy), University of Agriculture and Forestry (UAF), Ho Chi Minh City, Viet Nam, 1991.



Selected recent papers (2010-2020):

1. Tran Thi Thanh Huong, **Nguyen Thi Van Ha**. Evaluation of bio-growth of micro-algae *Scenedesmus dimorphus* in the waved bio-tank combined with treatment of wastewater from biogas tank. Journal of Environment 2018, 4-8. ISSN: 1859 -042K.
2. Cao Nha Vy, **Nguyen Thi Van Ha**, Nguyen Dinh Tuan. Study on the regional risk assessment methodology for chemicals in Ho Chi Minh City. Journal of Environment 2018, 58-63. ISSN: 1859 -042K.
3. Bui Thi Do Ngoc Thu, **Nguyen Thi Van Ha**. Propose the promotion solutions for solar energy development for shrimp farm in Can Gio District. Journal of Environment 2018, 149 -153. ISSN: 1859 -042K.
4. Pierangeli G. Vital, **Nguyen Thi Van Ha**, Le Thi Hong Tuyet, Kenneth W. Widmer. Application of quantitative real-time PCR compared to filtration methods for the enumeration of Escherichia coli in surface waters within Vietnam. Journal of Water and Health, 2/2017, 15 (1) 155-162; DOI: 10.2166/wh.2016.173.
5. Thanh Tran, Vo Duy Minh, Do Vu Thanh Son, Le Thi Anh Hong, Hong Nhung Do, Nguyen Dinh Duc, Nguyen Thi Bach Huyen and **Nguyen Thi Van Ha**. Studies on the Combination of Some Selected Microorganisms for Biodegradation of Cassava Peel Wastes (*Manihot Esculenta*). Journal of Environmental Science and Engineering B, Vol 5 (7), 7/2016 (Serial Number 49), 25-33.
6. **Nguyen Thi Van Ha**, Nguyen Thi Quynh Trang, Le Huynh Manh Tung , Tran Thanh. Evaluation of the impact of dyke on the practice of using plant protection chemicals and environmental impact quotation index of rice cultivation areas in Thap Muoi District. Dong Thap Province. Journal of Science and Technology 54 (4B) 2016, 56-63. ISSN 0866 708 X.
7. **Nguyen Thi Van Ha**, Le Thi Hong Tuyet. Study on E. Coli infection on tap water and waste water samples collected from the markets in Ho Chi Minh City and expose risk viva personal contact. Journal of Natural resources and environment 21, 11/2016, 35-42.
8. Tran Thanh, Le Huynh Manh Tung, Phan Nguyen Hong, Nguyen Le Trinh Giang, **Nguyen Thi Van Ha**, 2014. Study on Heavy metal residues from pesticide application on soil and water eviroment in the rice embankment areas of Thap Muoi District , Dong Thap Province. Journal of Science and Technology 52 (4B), 382-392. ISSN 0866 708 X.
9. Nguyen Dinh Tuan, **Nguyen Thi Van Ha**, Huynh Ngoc Ha, Pham Thi Diem Phuong, 2014. Study on plastic recycling-fee management in Ho Chi Minh City. Journal of Science and Technology (4C), 85-97, ISSN 0866 708 X.
10. **Nguyen Thi Van Ha**, Le Huynh Manh Tung, Đàng Quốc Tri, 2014. Assessment on pesticides utilizes in the rice cultivation areas of Thap Muoi District, Dong Thap Province. Journal of Science and Technology 51 (4A), 17-27. ISSN 0866 708 X.



11. **Nguyen Thi Van Ha**, Nguyen Dang Mai Chuyen, Le Nguyen Tuyet Ngan, 2014. Apply the RiceWQ model to predict the concentrations of pesticide residues in water and soil in rice cultivation areas of Thap Muoi District, Dong Thap Province. *Journal of Natural Resources and Environment* 14 (196), 55-58. ISSN 1859 -1477.
12. **Nguyen Thi Van Ha**, Nguyen Thi Ha, Nguyen Ngoc Ha, Kenneth W. Widmer, 2013. Discrimination of *E. coli* derived from livestock and human feces sources to urban surface waters in HCMC, Vietnam. *Science and Technology for sustainability*. Vol.10 *Transboundary Pollutants Issues*, ISSN: 2288-2596, 2013, GIST, Korea.
13. **Nguyen Thi Van Ha**, et.al., 2013. Prevalence of *E. coli* in surface waters in Asian Cities. *World Journal of Microbiol Biotechnol.* DOI 10.1007/s11274-013-1376-3.
14. Vo Dao Chi, **Nguyen Thi Van Ha**, 2013. Propose the biomass town model applied for agricultural sustainable development in Cu Chi District, Ho Chi Minh City. *Journal of Environment* No. 6, ISSN: 1859 - 042X, 51 – 55.
15. **Nguyen Thi Van Ha**, et.al., 2012. Influence of salinity intrusion on the distribution, speciation, and partitioning of mercury in the Mekong River Delta. *Geochimica et Cosmochimica Acta*, Volume 106, p.379-390. DOI 10.1016/j.gca.
16. Nguyen Thi Tuyet Nam, Truong Thi Thuy Trang, **Nguyen Thi Van Ha**, 2012. Environmental and health risk assessment for organic compounds and pharmaceutical residues in the low basin of Saigon Dong Nai River. *Journal of Natural Resources and Environment*, No. 23 (157), 12/2012. ISSN 1859 – 1477, 13-17.
Nguyen Ha Trang, **Nguyen Thi Van Ha**, 2012. Propose the bio-energy master plan for An Giang Province. *Journal of Natural Resources and Environment*, No. 23 (157), 12/2012. ISSN 1859 – 1477, 40-43.
17. **Nguyen Thi Van Ha**, Takizawa S., Oguma K., Phuoc N.V., Sources and leaching of manganese and iron in Saigon River Basin. *Water Science and Technology*, 63, 10, 2231-2237, 2011, doi: 10.216/wst.2011.460.



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PhD supervisor



VU XUAN CUONG

Associate Professor

Ministry of Natural Resources and
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**Ho Chi Minh City University of Natural
Resources and Environment**



Language(s): English, Russian, Vietnamese

Contact: HCMC University of Natural Resources and Environment

Phone: 84903381813 **E-mail:** vxcuong@hcmunre.edu.vn

Potential areas for PhD supervision:

- ~ GIS application in management, monitoring Natural Resources and Environment (NRE);
- ~ Automated map generalisation, multiscale database modeling and technological proposals for establishing Spatial Data Infrastructure (SDI).

Supervising experience:

3 PhD students
over 30 Master students.

Employment history in last 5 years:

2015 – present Ho Chi Minh City University of Natural Resources and Environment (HCMUNRE)

Membership of professional association:

- 2012 – present Vice Rector HCMUNRE, Viet Nam;
- 2015 – present Chairman of HCMC Geomatics Association, Ho Chi Minh City, Viet Nam;
- 2005 - 2012 Head of The Southern Sub-Department of Survey and Mapping (SSDOSM) – Ministry of Natural Resource and Environment (MONRE), Viet Nam;
- 2002 - 2005 Deputy Director of Southern Branch Office – Center of Information – MONRE, Viet Nam;
- 1994 - 2002 Engineer in Center of Information and Documentation Archives for Land Administration (CIDALA) – GDLA, Viet Nam;
- 1990 – 1994 Engineer in Center of Documentation Archives for Survey and Mapping (CDASM) – State Department of Survey and Mapping, Viet Nam;



Education – since bachelor degree:

- Doctorate of Geoinformatics, The Moscow State University of Geodesy and Cartography (MIIGAiK) – Moscow, Russia, 2003.
- Engineer of Computer Science, Ho Chi Minh City University of Technology (HCMUT), Ho Chi Minh City, Viet Nam, 1997.
- Engineer of Geodesy and Cartography, The Moscow Institute of Geodesy and Cartography (MIIGAiK) – Moscow, Russia (former Soviet Union), 1990.

Selected recent papers (2015-2020):

1. Nguyen Trong Nhan, **Vu Xuan Cuong** (2018). Using Google Earth Engine for monitoring forest change in Lam Dong province in the period 2010-2016. Proceedings of the 4th Science & Technology Conference HCMUNRE (SEMREGG2018) (ISBN 987-604-913-755-6), p.254-p.265.
2. Le Thien Bao, **Vu Xuan Cuong** (2018). WebGIS application for visualization HCMC air quality information. Proceedings of the 4th Science & Technology Conference HCMUNRE (SEMREGG2018) (ISBN 987-604-913-755-6), p.266-p.276.
3. Khanh N.V., **Cuong V.X.** et al. (2017). Inundation extent and flooded maps of vegetation in Cuu Long River delta using multi-temporal sentinel-1 data. International Conference on Geo-spatial technologies and Earth resources (GTER-2017) (ISBN: 978-604-913-618-4), p.109-p.118.
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