

CURRICULUM VITAE

1. Personal Information

Full name : Vo Thanh Hang
Place of birth: Ho Chi Minh City, Vietnam
Nationality : Vietnamese
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2. Education Background

Feb 2009 until Feb 2012: **Ph.D. Degree of Department Environmental Engineering**
(Department of Environmental Engineering, Kyungpook National University, Daegu, Korea)
Research topic: “*The elutriated acid fermentation using raw sewage for piggery wastes treatment*”

Aug 2007 – Feb 2009: **Ph.D. Degree Candidate of Environmental Science**
(Faculty of Environmental Science, Ho Chi Minh University of Natural Sciences, National University of Vietnam)
Research topic: “*Research on Establishing the Model of Water Quality Management in Dong Nai River Basin System for Using Water Sources safely and sustainably*”

Aug 2003 – May 2006: **Master’s Degree of Environmental Science**
(Faculty of Environmental Science, Ho Chi Minh University of Natural Sciences, National University of Vietnam)
Research topic: “*The Database of Water Environment Quality Management in Ho Chi Minh City*”

Aug 1998 – Aug 2003: **Bachelor of Environmental Engineering**
(School of Environment, Ho Chi Minh University of Technology, National University of Vietnam)
Research topic: “*The Toxicity of domestic waste water and industrial waste water at Ho Chi Minh City – Evaluating and proposing the solutions for Environmental problems*”

3. **Language skill:** Grade skill 1 – 5 (1 = basic, 5 = excellent, * = mother tongue)

Language	Speaking	Reading	Writing
English	4	4	4
Korean	4	4	3

4. Names of working organizations.

Dates	Organization	Address
10/2012 to now	Faculty of Environment and Resources - Ho Chi Minh City University of Technology	268 Ly Thuong Kiet, District 10, Ho Chi Minh, Vietnam
02/2009 - 02/2012	PhD research – Department of Environment Engineering – Kyungpook National University.	1370 Sangyeok 3-dong Buk-gu Daegu, 702 – 701 Korea.
03/2007 – 02/2009	Official- Waste Recycling Fund - Department of Natural Resources and Environment.	63 Ly Tu Trong street, District 1, HCM city, Vietnam.

06/2004 – 03/2007	Official- Ho Chi Minh Environmental Protection Agency - Department of Natural Resources and Environment	137 Bis Nguyen Dinh Chinh street, Phu Nhuan District, HCM city, Vietnam.
09/2003 – 06/2004	Official- Environmental management division – Department of Natural Resources and Environment	63 Ly Tu Trong street, District 1, HCM city, Vietnam.
03/2003 – 09/2003	Official- Environmental management division – Department of Science, Technology and Environment	244 Dien Bien Phu street, District 3, HCM city, Vietnam.

5. Research interested

- Analyses and assessment on Water Quality Management.
- Integrated water resource management (IWRM)
- Total Maximum Daily Load (TMDL) and modeling.
- Acid fermentation and methane production (CH₄) in wastewater treatment process.
- Vulnerability and Adaptation to Climate Change for Water Resources Management.
- Applying wetland for wastewater treatment process.
- Microbial Fuel Cell (MFC).

6. Academic Supervision Experiences

- I was the adviser for undergraduate students and graduate students completing their Bachelor and Master degrees as below:
 - Ma Thi Thu Hanh (2008). Calculate research and predict pollution on The Dong Nai river system, the purpose of management and uniting The Dong Nai river system. (Bachelor degree).
 - Nguyen Thi Ngoc Han (2008). Research calculating the total maximum daily load (TMDL) on the system of Dong Nai River Basin” (on the Sai Gon River sub-basin after Dau Tieng and Dong Nai river downstream - to the Tri An Estuary). (Bachelor degree).
 - Bui Do Thi Ngoc Thu, Nguyen Thai Ninh (2014). Proposed cleaner production for livestock in Binh Duong. (Bachelor degree)
 - Mai Thanh Thuy, Bui Thi Kieu Oanh (2014). Assess the impact of climate change to water supply - drainage of Ben Tre City - Ben Tre province and propose solutions for adaptation. (Bachelor degree).
 - Dao Van Thanh (2014 - 2015). Assess the current quality of water supply for households in Nha Be District and proposed measures to improve water supply. (Master degree).
 - Nguyen Thi Ngoc Thuy (2014 – 2015). Assess the current quality of water supply for households in Binh Chanh District and proposed measures to improve water supply. (Master degree)

7. Working experiences

- Expert as management and assessment about water quality monitoring station (in 5 years) at Ho Chi Minh Environmental Protection Agency – Ho Chi Minh Department of Natural Resources and Environment.
- Expert as Waste Recycling Assessment (2 years) at Ho Chi Minh City Waste Recycling Fund - Ho Chi Minh Department of Natural Resources and Environment.
- Task manager in project “Ho Chi Minh City Program for Reduction of Plastic Bag Use” with the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) and the Korea Ministry of Environment (2008).
- A member of Seoul Initiative Network on Green Growth (SINGG) (since 2007).

- Collaborator paper with KONETIC (Korea National Environmental Technology Information Center) – KEITI (Korea Environmental Industry & Technology Institute) (since 2009).
- Task manager in project with the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) and the Korea Ministry of Environment (2013 - 2014).
- Researcher on cooperation project No: 10_II_077_ASIEN_A_ Coastal Cities. “Vulnerability and Adaptation to Climate Change for Water Resources Management in Coastal Cities of Southeast Asia” between International Climate Initiative Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU), Asian Technology University (AIT) and Ho Chi Minh City University of Technology 2012 – 2015.
- Co-researcher of project “*Research on the Green City through Application of a Wetland Roof System Coupled with Domestic Wastewater Treatment*” by KECO, Korea Ministry of Environment (2013 – 2014).
- Researcher on “*Applications of Advanced Oxidation Processes (AOPs) for wastewater treatment after biological treatment*” by Ho Chi Minh City University of Technology (HCMUT) (2014 – 2015).
- Attending research on framework project VLIR – UOS “*Application of SewagePlus technology for wastewater treatment in Vietnam*” between Antwerp University, VITO (Belgium) and Ho Chi Minh City University of Technology (HCMUT) (2014 – 2016).

8. Published Articles

- **Vo Thanh Hang**, 2006. *Water environment and waste water treatment situation in Ho Chi Minh City*. Presentation in the workshop at the University of Natural and Sciences, Ho Chi Minh City, Viet Nam.
- Nguyen Ky Phung & **Vo Thanh Hang**, 2006. *Water quality Index in Ho Chi Minh City*. Paper in Institute of Meteorology and Hydrology. Viet Nam.
- Nguyen Ky Phung & **Vo Thanh Hang**, 2007. *The statement of canal water quality and waste water treatment in Ho Chi Minh City*. Paper in Institute of Meteorology and Hydrology. Viet Nam.
- **Vo Thanh Hang**, 2007. *The state of waste management in Ho Chi Minh City in 2007*. Presentation in “The Symposium Programs of Waste management and Treatment Technology 2007”. Korea Landfill Association. South Korea.
- **Vo Thanh Hang**, 2008. *Reuse and Recycling Day in Ho Chi Minh City 2008*. Paper in SINGG Newsletter Vol. 04, Korea.
- **Vo Thanh Hang**, 2009. *Situation and development potential of CDM projects in Ho Chi Minh City, Vietnam*. Paper in KONETIC (Korea National Environmental Technology Information Center) – KEITI (Korea Environmental Industry & Technology Institute).
- **Vo Thanh Hang**, 2009. *The status of waste management in Ho Chi Minh City- Challenges and Priorities*. Paper in KONETIC (Korea National Environmental Technology Information Center) – KEITI (Korea Environmental Industry & Technology Institute).
- **Vo Thanh Hang**, 2010. *Climate change in Ho Chi Minh City, Vietnam. Current status and challenges*. Paper in KONETIC (Korea National Environmental Technology Information Center) – KEITI (Korea Environmental Industry & Technology Institute).
- **Vo Thanh Hang**, 2013. *Enhanced acid fermentation for piggery waste by using domestic wastewater*. Vietnam Science and Technology Review. No 51 - 3B, 54-60 pages.
- Phan Thi Hai Van, Nguyen Thanh Tin, Vo Thi Dieu Hien, Thai Minh Quan, **Vo Thanh Hang**, Dinh Quoc Tuc, Le Van Khoa, Vo Le Phu, Eugene Kwon,

Changgyu Park, Jingyong Jung, Injae Yoon, Sijin Lee, Nguyen Phuoc Dan & Bui Xuan Thanh, 2014. *Nutrient removal of different plants in wetland roof systems treating domestic wastewater*. Desalination and Water Treatment. Page 1-9.

- Thai Minh Quan, Nguyen Thanh Tin, Nguyen Pham Thi Thai Ha, Dinh Le My, Phan Thi Hai Van, **Vo Thanh Hang**, 2014. *Study on application of Advanced Oxidation Processes on COD and Color removal in industrial secondary effluent*. Vietnam Science and Technology Review. No 52 (3A), 12-18.
- Nguyen Phuoc Dan, **Vo Thanh Hang**, Dinh Quoc Tuc, Natasha Hazarika and Vilas Nitivattananon, 07/2015. *Vulnerability and adaptation to climate change of Ben Tre City, Vietnam*. Regional Forum on Climate Change (RFCC).

9. Project Experience

- ***Collaborator with Dr. Nguyen Dinh Tuan, 2005 – 2006. Establish a map of noises in Ho Chi Minh City.***
- ***Participant with Hochiminh city Environment Protection Agency (HEPA), 2004 – 2007. Statistics traffic resources and establishment a city pollution map.***
- ***Participant with MS.c Le Van Khoa, 2005 – 2006. Shrimp hatching affect assessment to water quality and organism water at Can Gio's canal in Ho Chi Minh City.***
- ***Participant with Dr. Nguyen Dinh Tuan, 2006 – 2007. Establish researching on water quality automatic monitoring systems at Industry Parks in Ho Chi Minh City.***
- ***Participant with Dr. Nguyen Ky Phung, 2007 – 2008. Establish researching on sustainable quota discharge in Dong Nai river basin system.***
- ***Task manager on Project “Ho Chi Minh City Program for Reduction of Plastic Bag Use“ with the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) and the Korea Ministry of Environment (2008).***
- ***Participant on ICI Project between Asian Institute of Technology (AIT), Thailand and Faculty of Environment and Resources, Ho Chi Minh University of Technology (HCMUT), 2012 – 2015. Vulnerability and Adaptation to Climate Change for Water Resources Management in Coastal Cities of Southeast Asia.***
- ***Bui Xuan Thanh, Vo Thanh Hang, 2013 – 2014. “Research on the Green City through Application of a Wetland Roof System Coupled with Domestic Wastewater Treatment” supported from the Korea Environment Corporation – KECCO.***