Huy Thanh Vo, D. Eng

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http://github.com/huypocrisy/

Employment History

2022 – 2023 **Visiting Researcher.** Yamaguchi University (YU), Japan.

2005 – 2022 **Lecturer, Researcher,** Division of Environmental Engineering, Department of Urban Infrastructural Engineering, Mientrung University of Civil Engineering – Ministry of Construction, Vietnam.

Education

2011 – 2014 **Dr. Eng, Environmental Science and Engineering, Yamaguchi University, Japan**. Thesis title: *Study on Novel Disinfection Method of Water and Treated Wastewater by Using Pressurized Carbon Dioxide.*

2008 – 2010 **MSc. Environmental Technology, HCMC University of Technology (HCMUT), Vietnam** in Environmental Techology.

2000 – 2005 **Engineer Degree, Environmental Engineering, HCMC University of Technology (HCMUT), Vietnam** in Environmental Engineering.

Recent Research Publications

Journal Articles

1. H. T. Vo, T. Imai, M. Fukushima, *et al.*, "Enhancing the biological oxidation of h2s in a sewer pipe with highly conductive concrete and electricity-producing bacteria," *International Journal of Environmental Research and Public Health*, vol. 20, no. 2, p. 1459, 2023.

2. H. T. Vo, T. Imai, M. Fukushima, *et al.*, "Utilizing electricity-producing bacteria flora to mitigate hydrogen sulfide generation in sewers through an electron-pathway enabled conductive concrete," *Water*, vol. 15, no. 9, p. 1749, 2023. URL: https://doi.org/10.3390/w15091749.

3. S. A. Hoang, D. Lamb, B. Sarkar, *et al.*, "Phosphorus application enhances alkane hydroxylase gene abundance in the rhizosphere of wild plants grown in petroleum-hydrocarbon-contaminated soil," *Environmental Research*, vol. 204, p. 111 924, 2022.

4. T. Imai, H. T. Vo, M. Fukushima, *et al.*, "Application of conductive concrete as a microbial fuel cell to control h2s emission for mitigating sewer corrosion," *Water*, vol. 14, no. 21, p. 3454, 2022.

5. L. M, A. N. W, H. T. Vo, D. G, A. A. M, and S. S, "Performance test of organic planting bags for woody plant seedlings," *International Journal of Agricultural and Biological Engineering*, vol. 13, no. 5, pp. 93–98, 2020.

6. H. T. Vo, T. Imai, T. T. Ho, and S. A. Hoang, "Potential application of high-pressure carbon dioxide in treated wastewater and water disinfection: Recent overview and further trends," *Journal of Environmental Sciences*, vol. 36, pp. 36–47, 2015.

7. H. T. Vo, T. Imai, J. Teeka, *et al.*, "Comparison of disinfection effect of pressurized gases of co2, n2o, and n2 on escherichia coli," *Water Research*, vol. 47, no. 13, pp. 4286–4293, 2013.

8. H. T. Vo, T. Imai, H. Yamamoto, *et al.*, "Disinfection using pressurized carbon dioxide microbubbles to inactivate escherichia coli, bacteriophage ms2 and t4," *Journal of Water and Environment Technology*, vol. 16, no. 6, pp. 497–505, 2013.

Skills

Languages	Strong reading, writing and speaking competencies for English, Vietnamese.
Coding	Python, R, SQL, XML/XSL, LaTeX, …
Data/AI	MySQL, Google Data Analytics, Google Project Management, Machine learning, Origin Pro, Canva.
Misc.	Academic research, teaching, training, consultation, LaTeX typesetting and publishing.

Miscellaneous Experience

Scientific Awards

2013	**WET excellent research award**, Japan Society of Water Environment.
2014	**Gold Global Award**, Ministry of Science and Technology (Vietnam) and Ho Chi Minh communist Youth Union.
	Medal of creative youth, Ho Chi Minh communist Youth Union, Vietnam.
2015	**President's Award for Academic Excellent Research**, Yamaguchi University, Japan.

Administration and International Cooperation

2016-2021	Organized national/international conferences.
	Reviewer for international journals.
2016-2020	Secretaries/chairs/co-chairs for conferences.
2018	Visiting Scholar at Brawijaya University (Indonesia), Aug-Sept.
2022	Visiting researcher at Yamaguchi University (Japan).

Web Profiles

ORCID	`https://orcid.org/0000-0002-0868-2064`
Web of Science	`https://www.webofscience.com/wos/author/record/ADY-4165-2022`
SciProfiles	`https://sciprofiles.com/profile/2541487`