Staff Handbook – Dao Thanh Son

Name (Họ và Tên)	Đào Thanh Sơn		
Post (Ví trí)	Lecturer (courses of Ecology; Benefits and risks of microalgae in aquatic environment; Environmental monitoring; Environmental toxicology)		
Academic career (Quá trình đào tạo)	Associate Professor	HCMUT, VNU-HCM	2018
	PhD (biology, major: ecology)	Humboldt University, Berlin, Germany	2007 – 2011
	MSc (biology; major: ecology)	University of Sciences, VNU-HCM	2000 – 2005
	BSc (in biology)	University of Sciences, VNU-HCM	1993 – 1997
Employment (Nghề nghiệp)	Lecturer	HCMUT – VNU-HCM	2014 – present
	Coordinator of the English program on NR&EM	HCMUT – VNU-HCM	2014 – 2018
	Researcher	Institute for Environment & Resources (IER) – VNU-HCM	2005 – 2014
	Deputy head, Department of Environmental Toxicology	IER – VNU-HCM	2011 – 2013
	Head, Department of Environmental Toxicology	IER – VNU-HCM	2013 – 2014
	Reseatcher	Institute of Tropical Biology, VAST	1997 – 2005
Research and development projects over the last 5 years (Thành tích dự án và nghiên cứu trong năm gần)	- Occurrence of microplastics, and their accumulation in and depuration from blue mussels from Vung Tau coastal water (2020 – 2021, Tc-MTTN-2020-02), Project Investigator. 176 mil. VND - Responses of phytoplankton and zooplankton upon exposures to plastic leachates and cadmium (2020 – 2021, C2020-20-41), Project Investigator. 50 mil. VND - Detrimiental impacts of plasticizers on freshwater zooplankton (2019 – 2021, Nafosted project no 106.99-2019.39), Project Investigator. 759 mil. VND - Cyanobacterial toxin contamination in surface water used for drinking water supplies and community health safety in Southern Vietnam (Tc-MTTN-2016-04), Project Investigator. 50 mil. VND - Toxicity of cyanobacterial toxins to micro-crustaceans (2015 – 2018, 106-NN.04-2014.69), Project Investigator. 700 mil. VND		
Industry collaborations over the last 5 years	N/A		

(Hợp tác với doanh nghiệp)	
Patents and proprietary rights (Sở hữu trí tuệ)	N/A
Important publications over the last 5 years (Bài Báo nổi bật trong 5 năm gần)	Nguyen, A.T., Nemery, J., Gratiot, N., Garnier, J., **Dao, T.S**., Thieu, V., Laruelle, G.G., 2021. Biogeochemical functioning of an urbanized tropical estuary: implementing the generic C-GEM (reactive transport) model. Science of the Total Environment 784, 147261. Nguyen, T.D., Ngo, X.Q., Pham, T.L., **Dao, T.S.,** 2020. Ecotoxicological investigation of cyanobacterial crude extracts to *Daphnia magna* under subchronic test conditions. Turkish Journal of Zoology 44, 498-507. Dinh, K.V., Nguyen, Q.T.T., Vo, T.M.C., Bui, T.B., **Dao, T.S**., Tran, D.M., Doan, N.X., Truong, T.S.H., Wisz, M.S., Nielsen, T.G., Vu, M.T.T., Le, M.H., 2020. Interactive effects of extreme temperature and a widespread coastal metal contaminant reduce the fitness of a common tropical copepod across generations. Marine Pollution Bulletin 159, 111509. Bui, X.T., Vo, T.D.H., Nguyen, P.T., Nguyen, V.T., **Dao, T.S**., Nguyen, P.D., 2020. Microplastics pollution in wastewater: characteristics, occurrence and removal technologies. Environmental Technology & Innovation 19, 101013. Vo, T.M.C., Bui, B.T., Wiegand, C., Dinh, K.V., **Dao, T.S**., 2020. Responses of a tropical micro-crustacean, *Daphnia lumholtzi*, upon exposures to dissolved toxins and living cells of cyanobacteria. Environmental Technology & Innovation 19, 100973. Pham, T.L., **Dao, T.S**., Pham, N.K.T., Bui, H.N., Ngo, T.T.H., Bui, M.H., 2020. Lipid production combined with removal and bioaccumulation of Lead (Pb) by the green alga *Scenedesmus* sp. Polish Journal of Environmental Studies 29(2), 1785-1791. Bui, T. **Dao, T.S.**, Faassen, E., Lurling, M., 2018. Cyanobacterial blooms and microcystins in Southern Vietnam. Toxins 10(11), 471. doi.org/10.3390/toxins1011047. Vo, T.M.C., Pham, N.H., Nguyen, T.D., Bui, M.H., **Dao, T.S**., 2018. Development of *Daphnia magna* under exposure to ampicillin. Architecture Civil Engineering Environment 11(3), 147-152. **Dao, T.S**., Vo, T.M.C., Wiegand, C., Bui, B.T., Dinh, V.K., 2018. Transgenerational effects of cyanobacterial toxins on a tropical micro-crustacean *Daphnia lumholtzi* across three generations. Environmental Pollution 243 (B), 791-799. Vo, H.N.P., Bui, X.T., Nguyen, T.T., Nguyen, D.D., **Dao, T.S.,** Cao, N.D.T., Vo, T.K.Q., 2018. Effects of nutrient ratios and carbon dioxide bio-sequenstration on biomass growth of *Chlorella* sp. in bubble column photobioreactor. Journal of Environmental Management 219, 1-8. Bui, T., **Dao, T.S**., Vo, T.G., Lurling, M., 2018. Warming affects growth rates and microcystin production in tropical bloom-forming *Microcystis* strains. Toxins 10 (3), 123. DOI:10.3390/toxins10030123

	Pham, T.L., Shimizu, K., **Dao, T.S**., Motoo, U., 2017. First report on free and covalently bound microcystins in fish and bivalves from Vietnam: Assessment of risks to humans. Environmental Toxicology and Chemistry 36 (11), 2953-2957. Bui, M.H., Pham, T.L., **Dao, T.S**., 2017. Prediction of cyanobacterial blooms in the Dau Tieng reservoir using artificial neural network. Marine and Freshwater Research 68 (11), 2070-2080. Pham, T.L., **Dao, T.S**., Tran, N.D., Nimptsch, J., Wiegand, C., Motoo, U., 2017. Influence of environmental factors on cyanobacterial biomass and microcystin concentration in the Dau Tieng Reservoir, a tropical eutrophic water body in Vietnam. International Journal of Limnology 53, 89-100. **Dao, T.S**., Le, V.N., Bui, B.T., Dinh, K.V., Wiegand, C., Nguyen, T.S., Dao, C.T., Nguyen, V.D., To, T.H., Nguyen, L.S.P., Vo, T.G., Vo, T.M.C., 2017. Sensitivity of a tropical micro-crustacean (*Daphnia lumholtzi*) to trace metals tested in natural water of the Mekong River. Science of the Total Environment 571, 1360-1370. Pham, A.D., Nguyen, T.M.L., Nguyen, T.T.H., **Dao, T.S**., 2017. Ecological health monitoring used for river ecosystems in Vietnam: challenges and prospects. Proceedings of the 1st International Conference on Environmental Technology and Innovations, Hochiminh City. 187 – 195. Dang, M.T., Pham, A.D., **Dao, T.S**., Lapcik, V., 2017. Benthic macroinvertebrates from Dongnai estuaries in Southern Vietnam. Proceedings of the 1st International Conference on Environmental Technology and Innovations, Hochiminh City. 203 – 208. **Dao, T.S**., Nguyen, T.P.L., Vo, T.K.T., 2017. Toxicity of cyanobacterial extract from *Cylindrospermopsis raciborskii* and potential solutions for mitigation the cyanobacterial mass development in Xuan Huong Lake, Da Lat City, Vietnam. Proceedings of the 1st International Conference on Environmental Technology and Innovations, Hochiminh City. 213 – 217. **Dao, T.S**., Wiegand, C., Nimptsch, J., 2016. Dynamics of cyanobacteria and cyanobacterial toxins and their correlation with environmental parameters in Tri An Reservoir, Vietnam. Journal of Water and Health, 14 (4), 699-712. Pham, T.L., Shimizu, K., Kanazawa, A., Gao, Y., **Dao, T.S**., Utsumi, M., 2016. Microcystin accumulation and biochemical responses in the edible clam *Corbicula leana* P. exposed to cyanobacterial crude extract. Journal of Environmental Sciences 44, 120-130. Bui, T.K.L., Do-Hong, L.C., **Dao, T.S**., Hoang, T.C., 2016. Copper toxicity and the influence of water quality of Dongnai River and Mekong River waters on copper bioavailability and toxicity to three tropical species. Chemosphere 144, 872-878. Pham, T.L., **Dao, T.S**., Shimizu, K., Yu, G., Do-Hong, L.C., Sugiura, N., Utsumi, M., 2016. Isolation and characterization of microcystin-producing cyanobacteria from Dau Tieng Reservoir, Vietnam. Nova Hedwigia 101 (1-2), 3-20.

Activities in specialist bodies over the last 5 years (Hoạt động cá nhân đặc trưng trong 5 năm gần)	Fulbright University	Invited speaker	Nov. 2020
	Loyola University Chicago	Lecturer	2018 – 2020
	Several universities in VN (e.g., HUNRE, Uni. of Science, Nguyen Tat Thanh Uni.)	Lecturer	2011 – present
	Suan Sunandha Science and Technology Journal (SSSTJ, Thailand)	Associate editor	2018 – present
	Several ISI journals (e.g. EP, STOTEN, ET&I, EMAS, ESPR, AQUATOX, Chemosphere)	Reviewer	2012 – present
	International Society for the Study of Harmful Algae (ISSHA)	Member	2010 – 2014
	Society of Environmental Toxicology and Chemistry (SETAC)	Member	2015 – 2016
	Membership without a specific role need not be mentioned		