

Staff Handbook- Nguyen Phuoc Dan

Name	NGUYỄN PHƯỚC DÂN		
Post	<p>Joined training activity for the following academic institutions:</p> <ul style="list-style-type: none"> - Ho Chi Minh City University of Technology – VNU-HCM - Institute for Environment and Natural Resources – VNU-HCM <p>Teaching courses:</p> <ul style="list-style-type: none"> - Chemistry for environmental engineering and science (for English and Vietnamese undergraduate programs of EE) - Wastewater treatment engineering (English and Vietnamese undergraduate programs of EE) - Water and wastewater treatment technology (English and Vietnamese undergraduate programs of ETM) - Waste organic recycling and management (Master course of HCMUT) - Water reuse and reclamation (Master course of HCMUT) - Municipal and industrial water treatment design (Master course of IER-VNU) - Operation of water treatment plant (Master course of IER-VNU) 		
Academic career	Initial academic appointment	Institution	Year
	Doctoral degree (Environmental Engineering)	Asian Institute of Technology (AIT), Bangkok, Thailand	2002
	Master's degree (Environmental Engineering)	Asian Institute of Technology (AIT), Bangkok, Thailand	1993
	Diploma degree (environmental Engineering)	Ho Chi Minh City University of technology, Vietnam	1986
Employment	Position	Employer	Period
	Professor from Asian Center for Water Research-HCMUT	Ho Chi Minh City University of Technology (HCMUT), Vietnam	Sep 2018 to now
	Dean of Faculty of Environment and Natural Resources -HCMUT	Ho Chi Minh City University of Technology (HCMUT), Vietnam	May 2007 to Sep 2018
	Vice Dean of Faculty of Environment-HCMUT	Ho Chi Minh City University of Technology (HCMUT), Vietnam	2003 to May 2007
	Lecturer and Researcher	Institute of Environment and Resources (CEFINEA) – National University – HCM City, Vietnam	April 2002 to August 2003

	Lecturer and Researcher	Institute of Environment and Resources (CEFINEA) – National University – HCM City, Vietnam	1993 – 1999	
	Name of project or research focus	Partners, if applicable	Amount of financing (million VND)	Period and any other information
Research and development projects over the last 5 years	Application of partial nitrification coupled with anammox process for old municipal old landfill leachate	VNU-HCM	1200	36 months (2016-2019)
	Application of partial nitrification coupled with anammox for old municipal old landfill leachate	VNU-HCM		2016-2017
	Study on mitigation of DBPs for Tan Hiep water treatment plant	Ho Chi Minh City Department of Science and Technology	604	19 months (12/2014-7/2016)
	Application of two-stage co-digestion for urban biodegradable organic waste and sewage to generate bioenergy from biogas and recover organic carbon and nutrients.	NAFOSTED (National Foundation for Science and Technology Development)	800	2019-2022
	Application of CANON process, single sludge process, for nitrogen removal from high nitrogen-strength wastewater to reach the limit TN of the effluent quality standards	VNU-HCM	200	2018-2019
	Assessment of microplastic pollution in the surface runoff and ambient air of the municipal solid landfill Phuoc Hiep, HCMC	HCMUT	100	2018-2019
Industry collaborations over the last 5 years	Project title <ol style="list-style-type: none"> 1. International Atomic Energy Agency (IAEA-Austria): Groundwater contributions to the Sai Gon River and implications for the degradation of drinking water supplies for Ho Chi Minh City, Vietnam. 2. HITACHI ZOSEN Company (Japan): Pilot study on a two-stage anaerobic digestion system for bio-solids from the municipal solid waste generated from HCMC, 3. KRAFT PAPER COMPANY (Thailand): Training for wastewater treatment plant operation 			

Patents and proprietary rights	Patent (during evaluation process): Enrichment of anammox bacteria based on anaerobic granules Year: 2019		
Important publications over the last 5 years (Bài Báo nổi bật trong 5 năm gần)	Selected recent publications from a total of approx. (give total number): 7		
	Author(s)	Title	Public information
	Phuoc-Dan Nguyen , Nguyen-Sang Truong Tran, Thuy-Truc Nguyen, Bao-Trong Dang, Minh-Tam Thi Le, Xuan-Thanh Bui, Fumitoshi Mukai, Hidemasa Kobayashi, Huu Hao Ngo	Long-term operation of the pilot scale two-stage anaerobic digestion of municipal biowaste in Ho Chi Minh City	Science of the Total Environment (ISSN: 0048-9697) Volume 766, 20 April 2021, 142562
	Dan Nguyen Phuoc , The Nhat Phan, Sang Truong Tran Nguyen, Bui Xuan Thanh, Thanh Le Quang Do, Thi Nhanh Van Truong, Tuan Nguyen Van, Toan Le Hoang, Kenji Furukawa	Nitrogen removal from old landfill leachate using a pilot two-sludge system consisting partial nitrification sequencing batch reactor followed by Anammox internal circulation column	The Fourth Internal Anammox symposium (INNAS 2019), Kyoto University, p 137-142
	Phuoc Dan Nguyen , Thanh Do Quang Le, Nhat Huy Nguyen, Kim Thach Tran, Minh Tri Nguyen, Khanh An Huynh	Reducing disinfection byproduct precursors and chlorine consuming substances by a special integration of biofiltration and ozonation: A pilot study	Journal of Water Process Engineering (ISSN: 2214-7144) Volume 37, October 2020, 101419
	Viet Tuan Tran, Phuoc-Dan Nguyen & Emilie Strady	Bioaccumulation of trace elements in the hard clam, <i>Meretrix lyrata</i> , reared downstream of a developing megacity, the Saigon-Dongnai River Estuary, Vietnam	Environmental Monitoring Assessment (ISSN: 0167-6369) Article number: 566 (2020)
	Tuong Vy Huynh, Phuoc Dan Nguyen , The Nhat Phan, Duy Ha Luong, Thi Thanh Van Truong, Khanh An Huynh, Kenji Furukawa	Application of CANON process for nitrogen removal from anaerobically pretreated husbandry wastewater	International Biodeterioration & Biodegradation (ISSN: 0964-8305) Volume 136, January 2019, Pages 15-23

	<p>Nguyen Nhu Hien, Doan Van Tuan, Phan The Nhat, Truong Thi Thanh Van, Nguyen Van Tam, V.O. Nguyen Xuan Que, Nguyen Phuoc Dan</p> <p>Tam Le Thi Minh, Dan Nguyen Phuoc, Tuc Dinh Quoc, Huu Hao Ngo, Chi Do Hong Lan</p>	<p>Application of Oxygen Limited Autotrophic Nitritation/Denitrification (OLAND) for anaerobic latex processing wastewater treatment</p> <p>Presence of e-EDCs in surface water and effluents of pollution sources in Sai Gon and Dong Nai river basin</p>	<p>International Biodeterioration & Biodegradation (ISSN: 0964-8305) Volume 124, October 2017, Pages 45-55</p> <p>Sustainable Environment Research (ISSN: 2468-2039) Volume 26, Issue 1, January 2016, Pages 20-27</p>
<p>Activities in specialist bodies over the last 5 years</p>	<p>Organisation</p> <ul style="list-style-type: none"> - Membership of Water and Environment Association of HCMC, - Member of Scientific Committee for Environment and Energy field of VNU-HCM - Member of Project Evaluation Committee of Ministry of Natural Resources and Environment 	<p>Role</p>	<p>Period</p>

