

SCIENTIFIC CURRICULUM VITAE

1. GENERAL INFORMATION

- **Name:** Pham Anh Duc
- **Date of birth:** 09 – 06 – 1974
- **Place of birth:** Vietnam
- **E-mail:** phamanhduc@tdtu.edu.vn;
- **Office in home country:**

Ton Duc Thang University (TDTU)

19 Nguyen Huu Tho, Tan Phong Ward, District 7, Ho Chi Minh City, Vietnam (Room: C125, Block C). Tel: 0918 206933. Homepage: <http://tdtu.edu.vn/>

- **Current Position:** Faculty of Environment and Labour Safety
 - 1) Lecturer
 - 2) Researcher



2. PROFESSIONAL ACTIVITIES

- **Education**

Doctor of Engineering in Soil and Water Environment (2014) - Dissertation “*Study on the Water Quality Assessment using Benthic Macroinvertebrates for the Lower Dong Nai River Biomonitoring, Vietnam*”

Mater of Science in Environment Engineering (2004) – Thesis “*Study of Bio-Indices using Benthic Macroinvertebrates for Water Bodies in Can Gio Biosphere Reserve, Vietnam*”

Bachelor of Engineering in Fisheries Processing Technology (1996) – Thesis “*Study on the Wastewater Treatment Method of Seafood Processing: Case Study at the 6th Seafood Processing Factory, Ho Chi Minh City*”

- **Training courses:** Training courses on Ecological Health Assessment, Environmental Monitoring, Ecological Baseline Survey
- **Teaching courses:** Environmental Engineering Process; Waste Prevention and Pollution Minimization; Environmental Monitoring; Applied Ecology
- **Research interests:** Ecological Health Assessment, Environmental Monitoring, Green Energy, Microplastic Risk Assessment

3. EMPLOYMENT RECORD

- From 03/2024 to present: Faculty of Environment and Labour Safety – Ton Duc Thang University, HCMC, Vietnam
Positions held: Lecturer – Researcher
- From 03/2022 to 02/2024: Faculty of Safety Engineering – Van Lang University, HCMC, Vietnam
Positions held: Lecturer and Researcher
- From 06/2006 to 02/2022: Faculty of Environment and Labour Safety – Ton Duc Thang University, HCMC, Vietnam

Positions held: Lecturer – Vice Dean

- From 07/2004 to 05/2006: HCMC Environmental Protection Agency – Department of Natural Resources and Environment, HCMC, Vietnam

Positions held: Chief specialist

- From 01/1999 to 06/2004: Department of Environmental Management and Technology – Institute of Tropical Biology, HCMC, Vietnam

Positions held: Researcher

- From 06/1998 to 12/1998: Water and Wastewater Treatment Plant – Pouyen House, HCMC, Vietnam

Positions held: Engineer

- Research Experiences in Countries: Austria, Cambodia, Czech Republic, Germany, Hong Kong, Indonesia, Japan, Lao PRD, Malaysia, Myanmar, Republic of Korea, Taiwan, Thailand, Vietnam

4. PUBLICATIONS

4.1. Books:

- Pham Anh Duc and Nguyen Thi Mai Linh, 2010, Guidelines of Rapid Assessment for Water Quality and Health. The Youth Publisher, HCMC, 35pp.
- Pham Anh Duc and Nguyen Thi Mai Linh, 2015, Environmental Quality Monitoring, The Construction Publisher, Hanoi, 181pp.
- Kocí Vladimír, Thomas Ruml, Phan Dao, Pham Anh Duc, 2017, Environmental Technology and Innovations: Proceedings of the 1st International Conference on Environmental Technology and Innovations, CRC Press, 350pp.

4.2. Book Chapters:

- Pham Anh Duc, 2006, Biomonitoring of the lower Mekong River and selected tributaries – Benthic Macroinvertebrates, Technical Paper, Mekong River Commission, 13, 41-50.
- Pham Anh Duc, 2008, Biomonitoring of the lower Mekong River and selected tributaries (2004 – 2007) – Benthic Macroinvertebrates, Technical Paper, Mekong River Commission, 20, 47-52.
- Pham Anh Duc, 2009, Report on the 2006 biomonitoring survey of the lower Mekong River and selected tributaries – Benthic Macroinvertebrates, Technical Paper, Mekong River Commission, 22, 51-60.
- Pham Anh Duc, 2009, Report on the 2007 biomonitoring survey of the lower Mekong River and selected tributaries – Benthic Macroinvertebrates, Technical Paper, Mekong River Commission, 23, 33-38.
- Pham Anh Duc and Namuron Sangpradub, 2010, Biomonitoring Method for the Lower Mekong Basin – Benthic Macroinvertebrate, Technical Book (ISBN: 978-9932-08-060-1), Mekong River Commission, Vientiane, 7, 49-55.

4.3. Journals:

- Anh Duc Pham, Tien Thang Nguyen, Studies of the benthic macroinvertebrates for water quality monitoring in Can Gio, Ho Chi Minh City, Annual Report, Osaka University, 2005, 237-244.
- Pham Anh Duc, Global climate change – The biggest challenge of humankind in 21st century, Paper of Applied Science, Ton Duc Thang University, 2009, 7, 34-35.

- Pham Anh Duc, Nguyen Thi Mai Linh, Pollution tolerance score of aquatic fauna – Effective biomonitoring tool, Paper of Applied Science, Ton Duc Thang University, 2009, 8, 29-31.
- Pham Anh Duc, Nguyen Thi Mai Linh, Designing and producing the water sampler of new type. Paper of Applied Science, Ton Duc Thang University, 2010, 11, 29-30.
- Pham Anh Duc, Le Phi Nga, Comparison of tolerance score and water quality index in water quality assessment for Lower Dong Nai River System, 2011, Journal of Science and Technology, 49(5C), 126-135.
- Pham Anh Duc et al., Establishment of biomonitoring network for Lower Dong Nai River System, Paper of Applied Science, Ton Duc Thang University, 2011, 12, 30-32.
- Le Phi Nga, Le Phat Quoi, Pham Anh Duc*, 2012. Study of bio-indices using benthic macroinvertebrates for Lower Dong Nai River System, Vietnam. JESE, 4(2), 196-205.
- Pham Anh Duc et al., Changes of benthic macroinvertebrates communities in the Thi Vai river under polluted conditions with industrial wastewater, Journal of Science and Technology, 2012, 50(1C), 248-255.
- Pham Anh Duc, Nguyen Thi Mai Linh, Pham Van Mien, Study on migration of marine organisms into inland and changes of biodiversity at water bodies in Mekong Delta for evaluation of saline intrusion of sea level rise, APCBEE, 2012, 1, 252-257.
- Pham Anh Duc, Le Phi Nga, Study on inland migration of marine benthic macroinvertebrates in Dong Nai river and tributaries for evaluation of saline intrusion and sea level rise, Journal of Science and Technology, 2012, 50(4A), 210-217.
- Anh Duc Pham, Water quality assessment using benthic macroinvertebrates in water bodies, Tien Giang province, Vietnam, IPCBEE, 2013, 58, 61-65.
- Pham Anh Duc, Water quality assessment using benthic macroinvertebrates in Vam Co Dong, Vietnam, Journal of Science and Technology, 2014, 50(1C), 28-36.
- Pham Anh Duc, Characteristics of aquatic Ecosystems in the Coc San Hydropower Plant Project – Sapa district, Lao Cai province, Journal of Science and Technology, 2014, 50(1C), 178-185.
- Pham Anh Duc et al., Linking benthic macroinvertebrates and physicochemical variables for water quality assessment in Lower Dong Nai River System, Vietnam, IJESD, 2015, 6(2), 88-92.
- Pham Anh Duc, Evaluation of habitat biodiversity in the Mong Duong 2 Thermal Power Plant Project, Vietnam, Journal of Science and Technology, 2015, 51 (3), 8.
- Pham Anh Duc, Dang Quoc Dung, Water quality assessment using benthic macroinvertebrates in Sai Gon river and its tributaries, 2015, GSE, 61(2), 15-20.
- Pham Anh Duc, Tran Thi Thuy Duong, Dang Quoc Dung, Building forecast maps of water quality for main rivers and canals in Tien Giang province, Vietnam, GSE, 2015, 61 (3), 45-52.
- Pham Anh Duc et al., Building forecast maps of water quality for main rivers and canals in Tien Giang province, Vietnam, GSE, 2015, 61(3), 27-33.
- Dang Quoc Dung, Pham Anh Duc, Influence of water temperature and salinity on pH during dry season in Lower Dong Nai River System, 2015, GSE, 61(4), 29-35.
- Pham Anh Duc et al., Zooplankton from Can Giuoc river in Southern Vietnam, GSE, 2016, 62(3), 27-33.
- Pham A.D., Linking benthic macroinvertebrates and physicochemical variables for water quality assessment in Saigon river and its tributaries, Vietnam, Earth and Environmental Science, 2017, 92, 7.

- Nguyen Thi Thanh Huong, Pham Van Mien, Pham Anh Duc*, Change of benthic macroinvertebrates in Thi Vai river and Cai Mep estuaries under polluted conditions with industrial Wastewater, GSE, 2017, 63(2), 19-25.
- L K N Phan, T L C Nguyen and A. D. Pham*, 2018, Water quality assessment of main rivers and canals in Ben Tre Province, Mekong Delta Vietnam, Earth and Environmental Science, 2018, 191, 11.
- A.D. Pham, T.H.Y. Nguyen, Temporal and spatial water quality assessment of Thay Cai – An Ha canal system, Vietnam, Earth and Environmental Science, 2018, 191, 8.
- Le Hoai Nam and Pham Anh Duc*, Mapping of aquatic invasive animals in Ca Mau province, GSE, 2018, 64(2), 22-25.
- K. Mathivanan, Pham Anh Duc et al., Biologically synthesized silver nanoparticles against pathogenic bacteria: Synthesis, calcination and characterization, Biocatalysis and Agricultural Biotechnology, 2019, 22, 101373.
- Pham Anh Duc et al., Groundnut shell-a beneficial bio-waste, Biocatalysis and Agricultural Biotechnology, 2019, 20, 101206.
- Sandeep K Malyan, Pham Anh Duc et al. Mitigation of greenhouse gas intensity by supplementing with *Azolla* and moderating the dose of nitrogen fertilizer, Biocatalysis and Agricultural Biotechnology, 2019, 20, 101266.
- Arivalagan Pugazhendhi, Ramalingam Radhakrishnan, Pham Anh Duc, *Curtobacterium* sp. MA01 generates oxidative stress to inhibit the plant growth, Biocatalysis and Agricultural Biotechnology, 2019, 20, 101274.
- Q. B. Tran and A. D. Pham*, Developing a water quality index (WQI) for river resources management in Kien Giang province, Vietnam, Earth and Environmental Science, 2020, 444.
- Ramya Ganesan, Pham Anh Duc* et al., A Review on prospective production of biofuel from microalgae, Biotechnol Rep, 2020, 27.
- Rizwan Raheem Ahmed, Pham Anh Duc et al., The covid-19 pandemic and the antecedants for the impulse buying behavior of US citizens, Journal of Competitiveness, 2020, 12 (3), 5-27.
- Nguyen Thuy Lan Chi, Pham Anh Duc* et al., Diversity of zooplankton and benthic macroinvertebrates of estuarine coastal waters in Tien Giang province, southern Vietnam, Vietnam Journal of Science, Technology and Engineering, 2020, 62 (4), 3-7.
- Kathirvel Brindhadevi, Pham Anh Duc* et al., Zinc oxide nanoparticles (ZnONPs) – Induced antioxidants and photocatalytic degradation activity from hybrid grape pulp Extract (HGPE), Biocatalysis and Agricultural Biotechnology, 2020, 101730.
- Manigandan Sekar, Pham Anh Duc et al., A review on the pyrolysis of algal biomass for biochar and bio-oil–bottlenecks and scope, Fuel, 2021, 283, 119190.
- Kathirvel Brindhadevi, Pham Anh Duc et al., Biosynthesis of TiO₂ nanoparticles by *Acalypha indica*; photocatalytic degradation of methylene blue, Applied Nanoscience, 2021, 1-8.
- Pham Anh Duc et al., Study of antimicrobial activity of *Thespesia populnea*-coated nanozirconium on cotton gauze fabrics, Applied Nanoscience, 2021, 7,
- Dalia Streimikiene, Pham Anh Duc et al., The impact of corporate social responsibility on corporate image: evidence of budget airlines in Europe, Corporate Social Responsibility and Environmental Management, 2021, 2021, 28 (2), 925-935.

- Sarita Gajbhiye Meshram, Pham Anh Duc et al., Identification of critical watershed for soil conservation using game theory-based approaches, *Water Resources Management*, 2021, 35, 3105-3120.
- Sarita Gajbhiye Meshram, Pham Anh Duc et al., Assessing erosion prone areas in a watershed using interval rough-analytical hierarchy process (IR-AHP) and fuzzy logic (FL), *Stochastic Environmental Research and Risk Assessment*, 2022, 1-16.
- Raja Selvaraj, Pham Anh Duc et al., A recent update on green synthesized iron and iron oxide nanoparticles for environmental applications, *Chemosphere*, 2022, 136331.
- Erik Velasco, Pham Anh Duc et al. Effectiveness of wearing face masks against traffic particles on the streets of Ho Chi Minh City, Vietnam, *Environmental Science: Atmospheres*, 2022, 2, 1450-1468.
- Pham Anh Duc et al., Potential heavy metal contamination of groundwater in Ca Mau province, Vietnam, *ISGS*, 2022, 203-215.
- Nguyen Truong Ngan, Pham Anh Duc et al., Building map of biodiversity status in Tien Giang Province, Viet Nam, *Earth and Environmental Science*, 2023, 1170, 1-17.
- Kanda Whangchai, Pham Anh Duc* et al., Study of antimicrobial activity of Thespesia populnea-coated nanozirconium on cotton gauze fabrics, *Applied Nanoscience*, 2023, 13(1), 605-611.
- Pham Anh Duc and Dang My Thanh, Assessment of particulate matter concentrations and noise levels along Dong – Tay avenue, Ho Chi Minh City, *Journal of Health and Environmental Research*, 2023, 1-9.
- Pham Anh Duc, Effects of water stratification and mixing on plankton community structure in a Floating Solar Power Plant, *Earth Sciences*, 2023, 51-58.
- Akshatha Hebbar, Pham Anh Duc et al., A critical review on the environmental applications of carbon dots, *Chemosphere*, 2023, 313, 1-17.
- Gayathri Rangasamy A. Saravanan, Ponnusamy Senthil Kumar, Pham Anh Duc, Strategies for microbial bioremediation of environmental pollutants from industrial wastewater: A sustainable approach, *Chemosphere*, 2023, 313, 1-10.
- Duc Anh Pham, Bao-Son Trinh* et al., Typical pathogens on plastic debris in downstream of Sai Gon and Dong Nai rivers: an initial observation, *Science & Technology Development Journal: Science of the Earth and Environment*, 2023, 7(1), 659-668.
- Indira Karuppusamy, Pham Anh Duc, et al., *Eichhornia crassipes* biochar aided pollutants sorption competence of multi-metal tolerant fungi species on South Pennar river, *Environmental Research*, 2023, 231, 1-7.
- Anh-Duc Pham, Thanh-Son Dao et al., Responses of micro-crustacean, *Daphnia magna*, under trans-generational exposure s to single-use plastic leachates, *Case Studies in Chemical and Environmental Engineering*, 2023, 8, 1-5.
- Nguyen TLC, Pham AD* et al., Assessing the livestock raising and waste treatment of small-scale pig farming households in Binh Dinh Province, *Science & Technology Development Journal: Science of the Earth and Environment*, 2023, 7(2), 776-785.
- Pham A. D., Dang M. T., Assessment of Particulate Matter Concentrations and Noise Levels Along Dong – Tay Avenue, Ho Chi Minh City, *Journal of Health and Environmental Research*, 2023; 9(2): 51-58.
- Na Hong Thi Phung, Bao-Son Trinh*, Pham Anh Duc et al, Effects of chronic exposure to microplastics and microplastics associated with polychlorinated biphenyl 153 on *Daphnia magna*, *Human and Ecological Risk Assessment: An International Journal*, 2023, 1-19.

- A D Pham and T S Dao, Aquatic invertebrates and their correlation with the basic abiotic factors in the coastal water of Can Gio, Southern Vietnam, Earth and Environmental Science, 2024, 1349.
- Nguyen T. T. H., Vu T. M. H., Pham A. D*, Assessment of indoor air quality of the furniture manufacturers in Binh Duong industrial parks, Vietnam, Earth and Environmental Science, 2024, 1368.
- Bao Son Trinh, Le Thi Lien, Pham Anh Duc, Acute Exposure to Polyethylene Microbeads and Effects on the Water Flea Moina Macrocopa, Bulletin of Environmental Contamination and Toxicology, 2024, 113:24.

4.4. Research Projects:

DETAILED TASK ASSIGNED	PROJECT NAME, CLIENT, YEAR, DURATION, POSITION in project
<p>The works included: Technical consultant and report writing</p>	<p><u>Project name:</u> Assessing the Livestock Raising and Waste Treatment of Small-Scale Pig Farming Households in Binh Dinh Province <u>Client:</u> Binh Dinh Department of Science and Technology <u>Year:</u> 2023 – 2024 <u>Position:</u> Technical Consultant</p>
<p>The works included: Preparing information to inform the Environmental and Social Assessment process of the project/subProject specifically with regards to potential biological impacts and possible mitigation measures as well as monitoring as project moves forward</p>	<p><u>Project name:</u> Biological Studies (ESBG) in project areas supporting the preparation of the World Bank-funded Mekong Delta Climate Resilience and Integrated Transformation Project (MERIT) <u>Client:</u> World Bank Group <u>Year:</u> 2023 <u>Position:</u> Expert for consulting service on biodiversity assessment</p>
<p>The works included: Organizing of project implementation, design and analyzing aquatic fauna and flora, evaluating data and writing report Studied area: Da Mi – Binh Thuan</p>	<p><u>Project name:</u> Biodiversity Survey in Da Mi Floating Solar Power Plant <u>Client:</u> Hong Kong Environmental Resources Management <u>Year:</u> 2018 – 2022 <u>Position:</u> Team Leader</p>
<p>The works included: Organizing of project implementation, design and analyzing aquatic fauna and flora, evaluating data and writing report Studied area: An Giang</p>	<p><u>Project name:</u> Ecological Baseline Survey <u>Client:</u> An Giang People's Committees <u>Year:</u> 2021 – 2022 <u>Position:</u> Team Leader</p>
<p>The works included: Organizing of project implementation, design and analyzing aquatic fauna and flora, evaluating data and writing report Studied area: Kien Giang</p>	<p><u>Project name:</u> Ecological Baseline Survey <u>Client:</u> Kien Giang People's Committees <u>Year:</u> 2021 – 2022 <u>Position:</u> Team Leader</p>
<p>The works included: Organizing of project implementation, design and analyzing aquatic fauna and flora, evaluating data and writing report Studied area: Coastal Area – Tien Giang</p>	<p><u>Project name:</u> Ecological Baseline Survey <u>Client:</u> Tien Giang Department of Natural Resources and Environment <u>Year:</u> 2018 – 2021 <u>Position:</u> Team Leader</p>
<p>The works included: Organizing of project implementation, design and analyzing aquatic fauna and flora, evaluating data and writing report Studied area: Long An</p>	<p><u>Project name:</u> Ecological Baseline Survey <u>Client:</u> Long An Department of Natural Resources and Environment <u>Year:</u> 2014 – 2019 <u>Position:</u> Team Leader</p>

<p>The works included: Organizing of project implementation, design and analyzing aquatic fauna and flora, evaluating data and writing report Studied area: Duyen Hai – Tra Vinh</p>	<p><u>Project name:</u> Vantage Point for Avifauna at Windfarm Project in Tra Vinh Province <u>Client:</u> Hong Kong Environmental Resources Management <u>Year:</u> Dry season and Rainy season 2018 <u>Position:</u> Team Leader</p>
<p>The works included: Organizing of project implementation, design and analyzing aquatic fauna and flora, evaluating data and writing report Studied area: Ca Mau</p>	<p><u>Project name:</u> Biodiversity Assessment <u>Client:</u> Ca Mau Department of Natural Resources and Environment <u>Year:</u> 2017 – 2018 <u>Position:</u> Team Leader</p>
<p>The works included: Organizing of project implementation, design and analyzing aquatic fauna and flora, evaluating data and writing report Studied area: Vung Ang – Ha Tinh</p>	<p><u>Project name:</u> Ecological Baseline Survey <u>Client:</u> Hong Kong Environmental Resources Management <u>Year:</u> 2017 <u>Position:</u> Team Leader</p>
<p>The works included: Organizing of project implementation, design and analyzing aquatic fauna and flora, evaluating data and writing report Studied area: Chu Lai – Quang Nam</p>	<p><u>Project name:</u> Ecological Baseline Survey <u>Client:</u> Hong Kong Environmental Resources Management <u>Year:</u> 2017</p>
<p>The works included: Organizing of project implementation, design and analyzing aquatic fauna and flora, evaluating data and writing report Studied area: Ba Ria – Vung Tau and HCMC</p>	<p><u>Project name:</u> Ecological Baseline Survey <u>Client:</u> Hong Kong Environmental Resources Management <u>Year:</u> 2013 – 2014 <u>Position:</u> Team Leader</p>
<p>The works included: Organizing of project implementation, design and analyzing aquatic fauna and flora, evaluating data and writing report Studied area: Nghi Son – Thanh Hoa</p>	<p><u>Project name:</u> Ecological Baseline Survey <u>Client:</u> Hong Kong Environmental Resources Management <u>Year:</u> 2013 <u>Position:</u> Team Leader</p>
<p>The works included: Organizing of project implementation, data analysis and writing report Studied area: South Vietnam</p>	<p><u>Project name:</u> Environmental Auditing <u>Client:</u> World Bank <u>Year:</u> 2013 <u>Duration:</u> 20 weeks <u>Position:</u> Team Leader</p>
<p>The works included: Organizing of project implementation, design and analyzing aquatic fauna and flora, evaluating data and writing report Studied area: Sapa – Lao Cai</p>	<p><u>Project name:</u> Ecological Baseline Survey <u>Client:</u> Hong Kong Environmental Resources Management <u>Year:</u> 2013 <u>Position:</u> Team Leader</p>
<p>The work included: Organizing of project implementation Analyzing aquatic communities and writing report Studied area: Binh Phuoc</p>	<p><u>Project name:</u> Study on Aquatic Biodiversity in Binh Phuoc Province <u>Client:</u> <u>Year:</u> 2012 – 2013 <u>Position:</u> Chief Specialist</p>
<p>The work included: Organizing of project implementation Analyzing fish communities and writing report Studied area: Dong Nai River System</p>	<p><u>Project name:</u> Study on Fish Migration and Fisheries in the Middle stream of Dong Nai River <u>Client:</u> Vietnam River Network <u>Year:</u> 2012 <u>Position:</u> Member</p>
<p>The work included:</p>	<p><u>Project name:</u> The Water Environment and Ecology Monitoring</p>

Organizing of project implementation Analyzing benthic macroinvertebrate and writing report Studied area: Dong Nai River System	in the Dong Nai River System <u>Client:</u> Institute of Meteorology, Hydrology and Environment <u>Year:</u> 1999 – 2011 <u>Position:</u> Team Leader
The works included: Organizing of project implementation, design and analyzing aquatic fauna and flora, evaluating data and writing report Studied area: Quang Ninh	<u>Project name:</u> Ecological Baseline Survey <u>Client:</u> Hong Kong Environmental Resources Management <u>Year:</u> 2011 <u>Position:</u> Team Leader
The work included: Organizing of project implementation Analyzing water quality, benthic macroinvertebrates and writing report Studied area: Long An	<u>Project name:</u> Study on Environmental Indications for Rapid Assessment Based on Local Communities <u>Client:</u> Vietnam River Network <u>Year:</u> 2010 <u>Position:</u> Team Leader
The works included: Organizing of project implementation, design and analyzing aquatic fauna and flora, evaluating data and writing report Studied area: Ha Tinh	<u>Project name:</u> Ecological Baseline Survey <u>Client:</u> Hong Kong Environmental Resources Management <u>Year:</u> 2009 <u>Position:</u> Team Leader
The works included: Organizing of project implementation, analyzing data and writing report Studied area: River systems in South Vietnam	<u>Project name:</u> Study on Rapid Assessment Methods for Environmental Quality and Health <u>Client:</u> Ton Duc Thang University <u>Year:</u> 2007 – 2009 <u>Position:</u> Team Leader
The work included: Research and consultancy in major of benthic macroinvertebrates Studied area: Mekong river basin of Laos, Thailand, Cambodia and Vietnam	<u>Project name:</u> The Ecological Health Assessment for the Mekong River and Tributaries <u>Client:</u> Mekong River Commission <u>Year:</u> 2003 – 2008 <u>Position:</u> National Expert
The work included: Organizing of project implementation, analyzing data and writing report Studied area: Can Gio – HCMC	<u>Project name:</u> The Assessment of the Impacts on Shrimp Activities Culture on the Water Quality and the Aquatic Flora and Fauna of the Can Gio River System, HCMC <u>Client:</u> HCMC Department of Science and Technology <u>Year:</u> 2005 – 2007 <u>Position:</u> Secretary of project
The work included: Studying GIS and benthic macroinvertebrates Studied area: Ho Chi Minh City	<u>Project name:</u> Study on GIS for Water Quality Assessment and Environmental Zoning of Water Bodies in HCMC <u>Client:</u> HCMC Department of Science and Technology <u>Year:</u> 2004 - 2006 <u>Position:</u> Team Leader
The work included: Studying Aquatic Biodiversity Studied area: Dong Thap Muoi – Mekong Delta	<u>Project name:</u> Study on Aquatic Biodiversity in Dong Thap Muoi, Mekong Delta Vietnam <u>Client:</u> Institute of Tropical Biology <u>Year:</u> 2001 - 2003 <u>Position:</u> Member
The work included: Studying Aquatic Biodiversity Studied area: Ca Mau Peninsula –Mekong Delta	<u>Project name:</u> Study on Aquatic Biodiversity in Ca Mau Peninsula, Vietnam <u>Client:</u> Institute of Tropical Biology <u>Year:</u> 1999 – 2000 <u>Position:</u> Member
The work included:	<u>Project name:</u> Biodiversity Conservation with Local People

Studying Aquatic Biodiversity with Local People Participatory Studied area: Coastal Area in Ganh Rai Bay	Participatory for Coastal Area in Ganh Rai Bay, Vietnam <u>Client:</u> Institute of Tropical Biology <u>Year:</u> 1999 – 2000 <u>Position:</u> Member
The work included: Studying Aquatic Biodiversity Studied area: Dong Nai River System	<u>Project name:</u> Biomonitoring of the Lower Dong Nai River and Selected Tributaries, Vietnam <u>Client:</u> Institute of Tropical Biology <u>Year:</u> 1997 - 1998 <u>Position:</u> Member

4.5. Awards:

- 1) Award-winning of Nagao Scholarship – Japan for Master Degree in 2004.
- 2) Award-winning of Ton Duc Thang University for Research in 2010, 2011, 2012.
- 3) Award-winning of Institution for Environment and Resources for PhD. Dissertation in 2014.

4.6. Members:

- 1) Vietnam Association for Conservation of Nature and Environment (VACNE).
- 2) Society of Environmental Toxicology and Chemistry (SETAC).
- 3) Vietnam River Network (VRN).

4.7. Reference persons:

- 1) Assoc. Prof. Le Phi Nga, Faculty of Chemistry – HCMC University of Technology.
- 2) Assoc. Prof. Dao Thanh Son, Faculty of Environment and Natural Resources – HCMC University of Technology.

4.4. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

_____ Date:

Signature



Pham Anh Duc