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Associate Professor in Environmental Engineering,
VNU-HCM Key Lab. of Advanced Waste Treatment Technology (Head)
VNU-HCM Research Group on Algae-bacteria Treatment (Head)
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Research Interest

- Membrane separation processes
- Water and wastewater treatment processes
- Biological waste treatment
- Green technologies
- Algae processes
- Nano materials and its application
- Industrial pollution control and management
- Environmental monitoring & assessment

Professional Experiences

- 2020-present: Head, VNU-HCM Key Laboratory of Advanced Water Treatment Technology, Vietnam National University Ho Chi Minh (VNU-HCM)
- 2020-2022: Member of Scientific Committees of Applied Research, National Foundation of Science and Technology Development (NAFOSTED), Ministry of Science and Technology, Vietnam on term of 2020-2022 (**National Level**).
- 2017-present: Head, Strong research group on algae-bacteria wastewater treatment, VNU-HCM.
- 2017-2021: Member of Scientific Committees in the field of Earth Sciences and Environment, National Foundation of Science & Technology Development (NAFOSTED), Ministry of Science & Technology, Vietnam on terms of 2017-2019; 2019-2021 (**National level**).
- 2014–present: Head, Dept. of Water Science & Technology, Faculty of Environment & Natural Resources, Ho Chi Minh City University of Technology (HCMUT), VNU-HCM.
- 2013-present: Associate Professor, HCMUT, VNU-HCM.
- 2009-2013: Assistant Professor, Faculty of Environment, HCMUT, VNU-HCM.
- 2006-2008: Team Leader, Research group under Prof. C. Visvanathan, AIT, Thailand.
- 2001-2005: Researcher, Institute for Environment and Resources, VNU-HCM, Viet Nam.
- 2001-2002: Lecturer, Chemical Engineering Dept., Industry University, HCMC, Viet Nam.
- 2001-2005: Independent Consultant: Design of waste treatment systems; consultancy/training for environmental projects.

Education

- 2006-2009: Ph. D, Environmental Engineering (French Government Full Scholarship, exchange program), Asian Institute of Technology (AIT), Thailand & Institut National des Sciences Appliquées de Toulouse (INSA-Toulouse), France.

- 2003-2005: M. Eng, Environmental Engineering (The Netherlands Government Full Scholarship), AIT, Thailand.
- 1996-2001: Engineer Degree, Chemical Engineering, Ho Chi Minh City University of Technology, VNU-HCM, Viet Nam.

Editors:

Editor/Editor Board Member:

- Associate Editor, Environmental Technology & Innovation (ETI, Elsevier), 2022-present.
- Associate Editor, VNU Journal of Science: Earth and Environmental Sciences, 2022-present.
- Editor, Frontiers in Membrane Science and Technology (2022-present)
- Editor, Journal of Membrane and Separation Technology (2021-present)
- Editor board member, Bioresource Technology (BITE, Elsevier), 2020-present.
- Editor board member, Environmental Technology & Innovation (ETI, Elsevier), 2020-2021.
- Editor board member, Membrane and Water Treatment (MWT, KSWE, Techno-Press), 2022-2024.
- Editor board member, Environmental Quality Management (EQM, Wiley), 2021-present.
- Editor board member, Journal of Environmental Science & Engineering (JESE, Scopus, ISSN: 0367827X), 2020-present.
- Editor board member, GeoScience Engineering (Technical University of Ostrava), 2020-present.
- Editor board member, Journal of Innovation in Applied Research (JIAR; eISSN: 2581-4206), 2021-present.
- Editor board member, Journal of Membrane and Separation Technology (1929-6037), 2021-present.
- Editor board member, Waste Technology – ISSN: 2338-6207 (Diponegoro University, Indonesia), 2013-present.
- Associate Editor, Vietnam Journal of Science Technology and Engineering (ACI index), Ministry of Science and Technology, Vietnam (ISSN: 2525-2461), 2018-present.
- Editor board member, Science & Technology development journal-Science of the Earth & Environment, VNU-HCM, 2021-present.

Guest Editor:

- Case Studies in Chemical and Environmental Engineering, Elsevier, 2021.
- Science of the total Environment (STOTEN, Elsevier, SCIE, Q1), 2020.
- Bioresource Technology (BITE, Elsevier, SCIE, Q1), 2020.
- Environmental Technology & Innovation (ETI, Elsevier, SCIE, Q1), 2020.
- Environmental Science & Pollution Research (ESPR, Springer, SCIE, Q1), 2020.
- GeoScience Engineering, 2020.
- Journal of Environmental Management (JEMA, Elsevier, SCIE, Q1), 2019.
- Bioresource Technology Reports (BITEB, Elsevier, Scopus, Q2), 2018.
- Journal of Applied Membrane Science & Technology (UTM, Malaysia), 2018.

Book Editor:

- Varjani S., Haq I., Pandey A., **Bui X.T.** (2023). Waste Management: Climate change and Sustainability, Taylor and Francis group (**in preparation**).
- **Bui X.T.***, Guo W., Chiemchaisri C., Pandey A. (2022). “Membrane Technology for Sustainable Water and Energy Management”, Elsevier (**in publishing**) (Lead editor).
- **Bui X.T.***, Nguyen D.D, Ngo H.H, Nguyen P.D, Pandey A. (2021). “Advances in biological wastewater treatment systems”, Elsevier (**online**) (Lead editor), Elsevier. ISBN: 9780323998741
- **Bui X.T.***, Chiemchaisri C., Fujioka T., Varjani S. (2018). Book “Water and Wastewater Treatment Technologies”, (Lead editor), Springer Nature. ISBN: 978-981-13-2982-1
- Xia Huang, **Bui Xuan Thanh**, Chart Chiemchaisri (2018). IBA-Advanced membrane bioreactors for environment sustainability, Bioresource Technology Reports (Elsevier, **Scopus, Q2**, ISSN: 2589-014X), Special Issue Guest Editor.
- Dan N.P., **Thanh B.X.**, An H.K. (2017). Abstract Book - The 5th International Symposium on Environmental Analytical Chemistry, International Association of Environmental Analytical

Chemistry (IEAEC) – University of Technology - Vietnam National University – Ho Chi Minh, Vietnam National University Publisher. ISBN: 978-604-73-4968-5.

- **Thanh B.X.** & Dan N.P. (2014). Book of Abstract “The 4th Regional Conference on Membrane Technology”, December 3rd-6th, 2014, Ho Chi Minh City, Vietnam. The International Water Association. ISBN: 978-604-73-2958-8 (Co-chairman of Organizer).
- **Thanh B.X.** & Khoa L.V. (2013). Thuật ngữ chuyên ngành kỹ thuật và quản lý nước-nước thải [Technical terms for water engineering and management], NXB Đại Học Quốc Gia TPHCM [Ho Chi Minh City National University Publisher], Viet Nam. ISBN: 978-604-73-1807-0.
- **Thanh B.X.** (2012). Manual for design of biological treatment processes [So Tay Huong Dan Thiet Ke Cac Cong Trinh Xu Ly Sinh Hoc], Ho Chi Minh City National University, Viet Nam. ISBN: 978-604-73-1409-6.
- **Thanh B.X.** (2009). Fouling behaviour and nitrogen removal in aerobic granulation Membrane Bioreactor, PhD Dissertation, *Asian Institute of Technology (AIT)*, Bangkok, Thailand.
- **Thanh B.X.** (2005). Aerobic granulation in Membrane Bioreactor, Master Thesis, *Asian Institute of Technology (AIT)*, Bangkok, Thailand.

Patents/Technical Solutions

- **Bui Xuan Thanh**, Ngo Thi Tra My, Nguyen Cong Nguyen (2020). A submerged tubular membrane distillation (STMD) method and apparatus for desalination, **US Patent**, 20210230023 (Published July 29th, 2021).
- **Bui Xuan Thanh** (2018). Wetland roof technology for treating domestic wastewater, **US Patent** 9884780B2, USPTO.
- **Bui Xuan Thanh***, Nguyen Thanh Tin, Thai Minh Quan (2019). Method for hospital wastewater treatment by membrane bioreactor coupling with moving sponge media, **Technical solution No. 2101** by Intellectual Property Agency, Ministry of Science and Technology, Vietnam. Grant by decision No. 66815/QĐ-SHTT on August 12th, 2019. [Phương pháp xử lý nước thải y tế bằng công nghệ sinh học màng (Membrane Bioreactor) kết hợp giá thể di động (Sponge), Giải Pháp Hữu Ích số 2101, Cục Sở hữu trí tuệ, Bộ Khoa học và Công Nghệ, QĐ No. 66815/QĐ-SHTT ngày 12/8/2019].
- **Bui Xuan Thanh** & Nguyen Phuong Thao (2020). Phuong Phap Xu Ly Nuoc Thai Sau Be Tu Hoai Bang Be Loc Sinh Hoc Xuoi Dong Gia The Day Sinh Hoc (Down-flow Hanging Media Bioreactor), Application No. 2-2020-00187 on date May 7th, 2020 (Submitted).

Selected Publications

a. *SCIE/Scopus Journals: (*Corresponding author)*

1. Hoang T.K.D., Binh Q.A., **Bui X.T.***, Le T.H., Dang B.T., Nguyen H.H., Ngo T.T.M., Kohler P., Makohliso S., Maryna P., Raab M., Vanobberghen A., Hayter A., Schönenberger K. (2022). Assessment of water, sanitation and hygiene services in district health care facilities in rural area of Mekong Delta, Viet Nam, *Environmental Monitoring & Assessment*, **accepted** (SCIE, Q2, IF: 2.871, 0167-6369).
2. Liu W.J., Kwon E., **Bui X.T.**, Lee J., Ta C.K., Sirivithayapakorn S., Lin K.Y.A. (2022). Nanoscale CoNi Alloy@Carbon derived from Hofmann-MOF as a Magnetic/Effective Activator for Monopersulfate to Eliminate an Ultraviolet Filter, *Journal of Nanostructure in Chemistry*, online. (SCIE, Q1, IF: **6.391**, ISSN: 2193-8865). <https://doi.org/10.1007/s40097-022-00499-w>
3. Cheng D., Ngo H.H., Guo W., Chang S.W., Nguyen D.D., **Bui X.T.**, Wei W., Ni B., Varjani S., Hoang N.B. (2022). Enhanced photo-fermentative biohydrogen production from biowastes: An overview, *Bioresource Technology*, 357 (2022) 127341. (SCIE, Q1, IF: **9.642**, ISSN: 0960-8524). <https://doi.org/10.1016/j.biortech.2022.127341>
4. Tran H.T., Dang B.T., Le T.T.T., Hoang H.G., **Bui X.T.**, Le V.G., Lin C., Nguyen M.K., Nguyen K.Q., Nguyen P.T., Quach A.B., Bui T.P.T. (2022). Advanced treatment technologies for the removal of organic chemical sunscreens from wastewater: A review, *Current Pollution Reports*, **online**. (SCIE, IF: 9.43, ISSN:2198-6592). <https://doi.org/10.1007/s40726-022-00221-y>
5. Pham M.T., Tran D.P.H., **Bui X.T.**, You S.J. (2022). Rapid Fabrication of MgO@g-C3N4 Heterojunction for Photocatalytic Nitric Oxide degradation under Visible Light, *Beilstein journal of nanotechnology*, **online**. (SCIE, Q2, IF: 3.65, ISSN: 2190-4286). <https://doi.org/10.3762/bxiv.2022.30.v1>

6. Tran P.H.D., Pham M.T., **Bui X.T.**, Wang Y.F., You S.S. (2022). CeO₂ as a photocatalytic material for CO₂ conversion: A review, *Solar Energy*, **online**. (SCIE, Q1, IF: 5.742, ISSN: 0038-092X). <https://doi.org/10.1016/j.solener.2022.04.051>
7. Chen H.H., Park Y.K., Kwon E., **Bui X.T.**, Duong D.T., Lisak G., Ta C.K., Huang C.F., Lin K.Y.A. (2022). Ultrasound Process-Enhanced Removal of the Toxic Disinfection By-product Bromate from Water by Aluminum: A Comparative Study, *Water Environment Research*, 1-13, online. (ISSN:1554-7531; SCIE, Q2, IF: 1.946.) DOI: [10.1002/wer.10720nm](https://doi.org/10.1002/wer.10720nm)
8. Dang B.T., Nguyen T.T., Ngo H.H., Pham M.D.T.*, Le L.T., Nguyen N.K.Q., Vo T.D.H., Varjani S., Lin K.Y.A., You S., Huynh K.P.H., **Bui X.T.*** (2022). Influence of C/N ratios on treatment performance and biomass production during co-culture of microalgae and activated sludge, *Science of the Total Environment*, 837, 155832. (SCIE, Q1, IF: 7.963, ISSN: 0048-9697). <https://doi.org/10.1016/j.scitotenv.2022.155832>
9. Dang B.T., Bui H.T.*, Nguyen T.T., Nguyen P.T., Nguyen V.T., Bui M.H., Vo T.D.H., Thai V.N., Kim H.J., Lin K.Y.A., **Bui X.T.*** (2022). Groundwater Treatment using a Pilot Scale System of Integrated Electrodialysis and Electrolysis, *Desalination and Water Treatment*, 1-12, **online**. (SCIE, Q2, IF: 1.631, ISSN: 0301-4797). doi: 10.5004/dwt.2022.28251
10. Ho T.T.K., Tra V.T., Le T.H.*, Nguyen N.K.Q., Tran C.S., Nguyen P.T., Vo T.D.H., Thai V.N., **Bui X.T.*** (2022). Compost to improve sustainable soil cultivation and crop productivity, *Case Studies in Chemical and Environmental Engineering*, 6, 100211. (ISSN: 2666-0164, Scopus). <https://doi.org/10.1016/j.cscee.2022.100211>
11. Nguyen T.T., Ngo H.H., Guo W., Chang S.W., Nguyen D.D., Nguyen C.T., Zhang J., Liang S., **Bui X.T.**, Hoang N.B. (2022). A low-cost approach for soil moisture prediction using multi- sensor data and machine learning algorithm, *Science of the Total Environment*, 833, 155066. (SCIE, Q1, IF: 7.963, ISSN: 0048-9697). <https://doi.org/10.1016/j.scitotenv.2022.155066>
12. Gaur V.K., Gautam K., Sharma P., Gupta P., Dwivedi S., Srivastava J.K., Varjani, S.*, Ngo H.H., Kim S.H., Chang J.S., Bui X.T., Taherzadeh M.J., Parra-Saldívar R. (2022). Sustainable strategies for combating hydrocarbon pollution: Special emphasis on mobil oil bioremediation, *Science of the Total Environment*, 832, 155083. (SCIE, Q1, IF: 7.963, ISSN: 0048-9697). <https://doi.org/10.1016/j.scitotenv.2022.155083>
13. Liu W.J., Kwon E., **Bui X.T.**, Ta C.K., Duong D.T., Lin J.Y., Wi-Afedzi T., Hu C., Sirivithayapakorn S., Lin K.Y.A (2022). Hofmann-MOF derived Nanoball assembled by FeNi Alloy confined in Carbon Nanotubes as a Magnetic Catalyst for activating Peroxydisulfate to Degrade an Ionic Liquid, *Separation and Purification Technology*, 295(2022), 120945. (SCIE, Q1, IF: 7.312, ISSN: 1383-5866). <https://doi.org/10.1016/j.seppur.2022.120945>
14. Nguyen M.K., Lin C., Sanderson P., Dang B.T., **Bui X.T.**, Nguyen N.S.H., Vo N.D.V., Hoang H.G., Tran H.T. (2022). Evaluate the role of biochar during the organic waste composting process: A critical review, *Chemosphere*, 299, 134488 (SCIE, Q1, IF: 7.086, ISSN: 0045-6535). <https://doi.org/10.1016/j.chemosphere.2022.134488>
15. Kayastha V., Patel J., Kathrani N., Bilal M., Show P.L., Kim S.H., Bontemp E., Bhatia S.K., **Bui X.T.**, Varjani S. (2022). New Insights in Factors Affecting Ground Water Quality with Focus on Health Risk Assessment and Remediation Techniques, *Environmental Research*, 212 (part A), 113171. (SCIE, Q1, IF: 6.498, ISSN:0013-9351). <https://doi.org/10.1016/j.envres.2022.113171>
16. Koul Y., Devda V., Varjani S., Guo W., Ngo H.H., Taherzadeh M.J., Chang J.S., Wong J.W.C., Bilal M., Kim S.H., **Bui X.T.**, Parra-Saldívar R. (2022). Microbial Electrolysis: A Promising and Green Approach for treatment and resource recovery from industrial effluents, *Bioengineered*, 13 (4), 8115–8134. (SCIE, Q2, IF: 3.269, ISSN: 2165-5979). <https://doi.org/10.1080/21655979.2022.2051842>
17. Cheng D., Ngo H.H., Guo W., Chang S.W., Nguyen D.D., Deng L., Chen Z., Yee Y., **Bui X.T.**, Hoang N.B. (2022). Advanced strategies for enhancing dark fermentative biohydrogen production from biowaste towards sustainable environment, *Bioresource Technology*, 351 (2022), 127045. (SCIE, Q1, IF: 9.642, ISSN: 0960-8524). <https://doi.org/10.1016/j.biortech.2022.127045>
18. Dang B.T., Tran P.H.D., Nguyen N.K.Q., Cao T.N.H., Tomoaki I., Huynh K.P.H., Pham T.T., Varjani S., Ngo H.H., Wang Y., You S., **Bui X.T.*** (2022). Comparison of degradation kinetics of tannery wastewater treatment using a nonlinear model by salt-tolerant *Nitrosomonas* sp. and *Nitrobacter* sp., *Bioresource Technology*, 351, 127000. (SCIE, Q1, IF: 9.642, ISSN: 0960-8524). <https://doi.org/10.1016/j.biortech.2022.127000>
19. Ye Y., Ngo H.H., Guo W., Chang S.W., Nguyen D.D., Varjani S., Liu Q., **Bui X.T.**, Hoang N.B. (2022). Bio-membrane integrated systems for nitrogen recovery from wastewater in circular

- bioeconomy, *Chemosphere*, 289 (2022) 133175. (SCIE, Q1, IF: 7.086, ISSN: 0045-6535) <https://doi.org/10.1016/j.chemosphere.2021.133175>
20. Vo T.D.H., Le V.G., Nguyen Q.H., Pham T.T., Bui T.V., Dang B.T.*, Hoang T.T.N., Nguyen T.S., Lin K.Y.A., **Bui X.T.*** (2022). Effects of storage conditions, pH and Mg:P ratio on the precipitation process for phosphate recovery, *Case Studies in Chemical and Environmental Engineering*, 5(2022), 100188. (ISSN: 2666-0164, Scopus). <https://doi.org/10.1016/j.cscee.2022.100188>
 21. Tran C.S., Dang B.T., Nguyen P.T., Nguyen N.K.Q, Hoang Q.H., Le L.T, Vo T.K.Q, Nguyen T.T.*, **Bui X.T.*** (2022). Anaerobic Baffled Reactor coupled with Membrane Bioreactor treating Tannery Wastewater, *Case Studies in Chemical and Environmental Engineering*, 5 (2022), 100185. (ISSN: 2666-0164, Scopus). <https://doi.org/10.1016/j.cscee.2022.100185>
 22. Duong D.T., Ta C.K., Kwon E., Tsang Y.F., Sirivithayapakorn S., **Bui X.T.**, Lisak G., Yang H., Lin K.Y.A. (2022). Hollow Porous Cobalt Oxide Nanobox as an Enhanced Catalyst for Activating Monopersulfate to Degrade 2-Hydroxybenzoic Acid in Water, *Chemosphere*, 294, 133441. (SCIE, Q1, IF: 7.086, ISSN: 0045-6535). <https://doi.org/10.1016/j.chemosphere.2021.133441>
 23. Sabelfeld M., Streckwall L., **Bui X.T.**, Geißen S.U. (2022). Optimization potentials for wastewater treatment and energy savings in industrial zones in Vietnam: Case studies, *Case Studies in Chemical and Environmental Engineering*, 5, 100169. (ISSN: 2666-0164, Scopus). <https://doi.org/10.1016/j.cscee.2021.100169>
 24. Dang B.T., **Bui X.T.***, Tran P.H.D., Ngo H.H., Nghiem D.L., Hoang T.K.D., Nguyen P.T., Nguyen H.H., Vo T.K.Q., Lin C., Lin K.Y.A., Varjani S. (2022). Current application of algae derivatives for bioplastic production: A review, *Bioresource Technology*, 347(2022), 126698. (SCIE, Q1, IF: 9.642, ISSN: 0960-8524). <https://doi.org/10.1016/j.biortech.2022.126698>
 25. Duong D.T., Kwon E., Phattarapattamawong S., **Bui X.T.**, Ta C.K., Lisak G., Wang H., Lin K.Y.A. (2022). Nitrogen-containing Carbon Hollow Nanocube-confined Cobalt Nanoparticle as a Magnetic and Efficient Catalyst for activating Monopersulfate to Degrade a UV filter in Water, *Journal of Environmental Chemical Engineering*, 10 (2022), 106989. (ISSN: 2213-3437, SCIE, Q1, IF: 5.909). <https://doi.org/10.1016/j.jece.2021.106989>
 26. Lin C., Cheruiyot N.K., **Bui X.T.**, Ngo H.H. (2022). Composting and its application in bioremediation of organic contaminants, *Bioengineered*, 13(1), 1073-1089 (SCIE, Q2, IF: 3.269, ISSN: 2165-5979). <https://doi.org/10.1080/21655979.2021.2017624>
 27. Gaur V.K., Gupta S., Sharma P., Gupta P., Varjani S. Srivastava J.K., Chang J.S., **Bui X.T.** (2021). Metabolic cascade for remediation of plastic waste: A case study on microplastic degradation, current pollution reports, 8(2022), 30-50 (SCIE, IF: 9.43, ISSN:2198-6592). <https://doi.org/10.1007/s40726-021-00210-7>
 28. Li B.C, Lee J., Kwon E.E., **Bui X.T.**, Lisak G., Lin C.H., Lin K.Y.A. (2022). Selective Conversion of Hydroxymethylfurfural to Diformylfuran using Copper Hydroxide Nitrate with Various Nano-Structures: A Comparative Study, *Sustainable Energy & Fuels*, 6(2022), 276-288 (SCIE, Q1, IF: 6.367, ISSN: 23984902). <https://doi.org/10.1039/D1SE01443A>
 29. Le L.T., Joen J., Dang B.T., **Bui X.T.***, Jahng D.* (2022). Influence of temperature on anammox reaction and microbial diversity in a bio-carriers reactor under mainstream conditions, *Environmental Technology & Innovation*, 25, 102178. (SCIE, Q1, IF: 5.263, ISSN: 2352-1864). <https://doi.org/10.1016/j.eti.2021.102178>
 30. Ye Y., Ngo H.H., Guo W., Chang S.W., Nguyen D.D., Varjani S., Liu Q., **Bui X.T.**, Hoang N.B. (2022). Bio-membrane integrated systems for nitrogen recovery from wastewater in circular bioeconomy, *Chemosphere*, 289, 133175. (SCIE, Q1, IF: 7.086; ISSN: 0045-6535). <https://doi.org/10.1016/j.chemosphere.2021.133175>
 31. Nguyen V.T, Nguyen D.D.*, Vo T.D.H.*, Nguyen D.H., Nguyen T.B., Nguyen L.S.P, Nguyen X.C., Dinh V.C., Nguyen T.H.H., Huynh T.M.T., Hoang H.G., Duong T.G.H., Bui M.H., **Bui X.T.** (2021). Characteristics and risk assessment of 16 metals in street dust collected from a highway in a densely populated metropolitan of Vietnam, *Atmosphere*, 12, 1548. (SCIE, Q2, IF: 2.848, ISSN: 2073-4433). <https://doi.org/10.3390/atmos12121548>.
 32. Chen H.H., Park Y.K., Kwon E., Tsang Y.F., **Bui, X.T.**, Ta C.K., You S., Hu C., Lin K.Y.A. (2022). Nanoneedle-Assembled Copper/Cobalt Sulfides on Nickel Foam as an Enhanced 3D Hierarchical Catalyst to Activate Monopersulfate for Rhodamine B Degradation, *Journal of Colloid and Interface Science*, 613, 168-181. (SCIE, Q1, IF: 7.489, ISSN: 10957103). <https://doi.org/10.1016/j.jcis.2021.11.186>
 33. Liu W.J., Kwon E., **Bui X.T.**, Ta C.K., Lisak G., Lee J., Lin K.Y.A. (2022). 3D Hexagonal Hierarchitectured Cobalt Sulfide as an Enhanced Catalyst for Activating Monopersulfate to Degrade

- Sunscreen Agent Ensulizole, *Journal of the Taiwan Institute of Chemical Engineers*, 131(2022), 104109. (SCIE, Q1, IF: 5.876; ISSN 1876-1070). <https://doi.org/10.1016/j.jtice.2021.10.009>
34. Tran H.T., Lin C., **Bui X.T.**, Nguyen M.K., Cao N.D.T., Mukhtar H., Hoang H.G., Varjani S., Ngo H.H., Nghiem D.L. (2022). Phthalates in the environment: characteristics, fate and transport, and advanced wastewater treatment technologies, *Bioresource Technology*, 344, 126249 (SCIE, Q1, IF: 9.642, ISSN: 0960-8524). <https://doi.org/10.1016/j.biortech.2021.126249>
 35. Hieu T.T. Tung T.V., Thao N.T.P., Vi L.Q., Thu N.H.A., Thang N.V., Kien T.T., Le T.H., Nguyen N.K.Q., **Bui X.T.*** (2021). Material flow analysis in an integrated catfish farming system in Mekong Delta, Vietnam: A case study, *Case Studies in Chemical Environmental Engineering*, 4, 100154. (ISSN: 2666-0164, Scopus). <https://doi.org/10.1016/j.cscee.2021.100154>
 36. Nguyen V.T., Vo T.D.H.*, Nguyen T.B., Nguyen D.D., Bui H.T., Nguyen X.C., Tran T., Le T.N.C., Duong T.G.H., Bui M.H., Dong C.D., **Bui X.T.*** (2022). Adsorption of norfloxacin from aqueous solution on biochar derived from spent coffee ground: master variables and response surface method optimized adsorption process, *Chemosphere*, 288 (Part 2), 132577. (SCIE, Q1, IF: 7.086; ISSN: 0045-6535). <https://doi.org/10.1016/j.chemosphere.2021.132577>
 37. Rene E.R., **Bui X.T.***, Ngo H.H., Nghiem D.L., Guo W. (2021). Green technologies for sustainable environment: an introduction, *Environmental Science and Pollution Research*, online. DOI: 10.1007/s11356-021-16870-3
 38. Dang B.T., Nguyen T.T., **Bui X.T.***, Ngo H.H., Lin K.Y.A., Itayama T., Saunders T., Huynh T.N., Cao N.D.T., Visvanathan C., Varjani S. Rene E.R. (2021). Non-submerged attached growth process for domestic wastewater treatment: Influence of media types and internal recirculation ratios, *Bioresource Technology*, 343, 126125. (SCIE, Q1, IF: 9.642, ISSN: 0960-8524). <https://doi.org/10.1016/j.biortech.2021.126125>
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- 31) Dan N.P., Ha N.T.V., **Thanh B.X.**, Nga N.V., Khoa L.V. (2007). Chapter 3-3: Water resources management in Ho Chi Minh City, in book “Sustainable Groundwater Management in Asian Cities”. International Global Environmental Strategy (IGES) Hayama, Japan, IGES, pp. 68-92. ISBN: 4-88788-039-9.
- 32) Dan N.P., **Thanh B.X.**, Khoa L.V., Truong B.D. (2006). Case study: Groundwater resources management in HCMC, Part III, pp. 81-87: Chapter in Sustainable groundwater management in Asian cities - *A summary report of Research on Sustainable Water Management in Asia*, Fresh Water Resources Management Project, IGES, Japan. ISBN 4-88788-029-4.

Research grants and Technology transfer projects (PI/Co-PI and core member only)

No	Research projects	Code	Time	Funding organization
1)	Cleanup of diffuse chemicals and microbiological pollution by floating treatment wetlands (Co-PI)	SFI	2022-2024	Science Foundation Ireland
2)	Nature based Water Treatment (Country-PI)	APN 2021-2023	2021-2023	APN, Japan
3)	Development of algae-bacteria systems for wastewater treatment	NCM2021-20-01/HĐ-KHCN	2021-2026	VNU-HCM
4)	Nanoassisted bioremediation of diffused dioxins in soil and sediment (Co-PI)	PEER-551	2021-2023	PEER-NAS, USAID, USA
5)	Testing of F-cap fibre filtration system for various water source	Kyowakiden-2021	2021	Kyowakiden, Japan
6)	Khảo Sát Lưu Lượng Nước, Chất Lượng Nước Và Đề Xuất Phương Án Cải Tạo Hệ Thống Xử Lý Nước Sạch 2.000 m ³ /ngày của Khu Công Nghệ Cao Công Nghệ Sinh Học [Technical	RECTIE 2020	2020	Agri-Biotech center, Dong Nai province

	solution for improving the water treatment plant capacity of 2000 m ³ /d]			
7)	Development of membrane bioreactor coupling with salt tolerant microorganisms treating saline wastewater [Nghiên cứu phát triển công nghệ màng MBR kết hợp hệ vi sinh xử lý nước thải nhiễm mặn]	B2020-20-03	2020-2021	VNU-HCM
8)	Fouling Control and Nutrient Removal by Reciprocating Membrane Bioreactor	VNUHCM3	2020	SATU 2020, Taiwan
9)	Enhance Organic and Nutrient Removal from Wastewater by Algal Granulation	VNUHCM4	2020	SATU 2020, Taiwan
10)	Development of Novel Multifunctional Nanostructured Materials for the Photocatalytic Degradation of Emerging Pollutants (<i>Co-PI as Asean Partner</i>)	CRD/2018/000066	2019-2020	Asean-India Science & Technology Development Fund
11)	International Cooperation on Soil and Groundwater Remediation	EPA107A215	2019	Taiwan Association on Soil & Groundwater Environmental Protection & Taiwan EPA
12)	Application of energy-saving membrane technology in nutrient treatment and microplastics removal	Tc-MTTN-2019-07	2018-2019	University's Research Project - CARE
13)	Application of membrane photobioreactor for wastewater treatment coupling with algae biomass cultivation for production of biomaterials	NAFOSTED 105.99-2019.27	2019-2022	NAFOSTED, Ministry of Science & Technology – Viet Nam
14)	Development of low cost Membrane Distillation System for Saline Water Treatment in Mekong River Delta - Viet Nam	GIST-2019	1-12/2019	Gwangju Institute of Science & Technology (GIST), Korea
15)	Low-Cost treatment technology for seawater desalination [Ứng dụng công nghệ khử mặn chi phí thấp trong xử lý nước biển]	SVOISP-2018-MT&TN-14	9/2018-5/2019	UT, VNU-HCM
16)	Application of New Generation of Wetland Roof System for Treating Domestic Wastewater Coupling with Enhancing Green Urban Area to Reduce the Climate Change Effect in the Urban Tropics	GIST-2018	8/2018-12/2018	GIST, Korea
17)	Saline water treatment by direct contact membrane distillation [Xử lý nước nhiễm mặn bằng công nghệ chưng cất màng trực tiếp]	Tc-MTTN-2018-08	2018-2019	University's Research Project - CARE
18)	Groundwater Contributions to the Sai Gon River & Implications for the Degradation of Drinking Water Supplies for HCMC, Vietnam in coordinated with project Isotope Techniques for the Evaluation of Water Sources for Domestic Supply in Urban Areas (member)	F33024 – IAEA	2018-2019	IAEA (International Atomic Energy Agency), Austria
19)	Energy-efficient water management system for an industrial park in Vietnam (ERWIN), Vietnam-Germany joint Research Project.	ERWIN No. 10044850	2018-2019	Federal Ministry of the Environment,

				Germany
20)	Application of Direct Contact Membrane Distillation for Saline Water Treatment [Ứng dụng Công nghệ Direct Contact Membrane Distillation trong xử lý nước nhiễm mặn] – Master student: Ngo Thi Tra My	TSDH-MTTN-2017-21	2011-2012	UT's Master student research project
21)	Synergy effect between Algae and Bacteria in Membrane Photobioreactor for nutrient recovery from urine [Cộng hợp của tảo và vi khuẩn trong Membrane Photobioreactor nhằm thu hồi dinh dưỡng từ nước tiểu] – Master student: Nguyen Van Thuan	TSDH-MTTN-2017-22	2011-2012	UT's Master student research project
22)	Synthesis of β -cyclodextrin nickel ferrite nanoparticles for the removal of pharmaceutical compounds from aqueous systems (<i>Co-PI as Asean Partner</i>)	Asean-India - 2018	2018-2020	Asean-India Science & Technology Development Fund
23)	Aquaponis system integrated fish farming to vegetable in green house (<i>Co-PI</i>)	SIDA-MEKARNII - 2017	2017-2018	SIDA
24)	Study on the pilot-scale LENA membrane process treating domestic wastewater and microbial rejection test using Kolon membrane	Korea-KOLON-2017	2017-2018	Kolon membrane, Kolon industry, Korea
25)	GEN technology for high-concentrated waste treatment	Kyowakiden, Japan – 2017	2017-2018	Kyowakiden-Vietnam, Japan

Keynote/Invited Speakers/Trainers:

- 1) **Invited Speaker** - International Conference on Biotechnology for Resource Efficiency, Energy, Environment, Chemicals and Health (BREEECH 2021), Dehradun, India, December 1-4, 2021 (*Title: Activated Algae Granule for Wastewater Treatment: Effect of Shear Stress on Granulation*).
- 2) **Invited Speaker** - International Forums of “Taiwan International Water Week 2021 (TIWW)” from October 14th-16th, 2021, Taipei International Convention Center (TICC).
- 3) **Invited Speaker** - International Bioprocessing Association - 9th International Forum on Industrial Bioprocessing (IFIBiop 2021) at Universidad Autonoma de Coahuila, Saltillo, Mexico, Sept 12-15, 2021 (*Co-culture of microalgae-activated sludge for wastewater treatment and biomass production*).
- 4) **Invited Speaker** - Online Colloquium on Textile Wastewater Management on August 19th, 2021, Germany (*Title: Membrane bioreactor - An effective technology for dyeing and textile wastewater treatment*).
- 5) **Invited Speaker** - The 5th Asia Pacific Biochar Conference (APBC2020), The Hong Kong Polytechnic University, Hong Kong, May 10-11, 2021.
- 6) **Keynote Speaker** - The 10th International Membrane Science and Technology Conference (IMSTEC2020), Sydney, Australia, Feb 2-6, 2020.
- 7) **Invited Speaker** - International Conference on New Horizons in Biotechnology (NHBT-2019; www.niist.res.in/nhbt2019/), Trivandrum, India, November 20-24, 2019.
- 8) **Invited Speaker** – The 5th International Water Industry Conference 2019 (IWIC 2019), Daegu, Korea, September 3-6, 2019.
- 9) **Invited Speaker** – 2019 Symposium on Water and Sediments Quality, Mapúa University, Manila, Philippines, August 15-16, 2019.
- 10) **Keynote Speaker** – Tech Planter Demo Day 2019 (organized by Leave A Nest, Japan), Saigon Innovation hub, June 1st 2019 in Ho Chi Minh City, Vietnam.
- 11) **Invited Speaker** – International symposium on “The current situation of infrastructure maintenance and management technology”, Nagasaki University, Japan, March 27, 2019.
- 12) **Keynote Speaker** - International Conference on Biomedical and Environmental Engineering, December 17-18, 2018, College of Engineering, National Chung Hsing University, Taiwan.

- 13) **Keynote Speaker** - 2018 Eastern Asia Conference for Water Environmental Issues (host by Chung Yuan Christian University, Taiwan) and 2018 International Conference on Forward-looking Water Management (host by Water Resources Agency, Taiwan), 6-9 November 2018.
- 14) **Keynote Speaker** – Second International Conference of International Society for Energy, Environment and Sustainability (ISEES) on “Sustainable Energy and Environmental Challenges” (SEEC 2018)
- 15) **Invited Speaker** - The 4th International Conference on Contaminated Land, Ecological Assessment and Remediation 2018 (CLEAR-2018), August 16th-18th, 2018 organized by The Hong Kong Polytechnic University, Hong Kong.
- 16) **Keynote Speaker** – Second International Conference of International Society for Energy, Environment and Sustainability (ISEES) on “Sustainable Energy and Environmental Challenges” (SEEC 2018), organized jointly by Indian Institute of Science-Bangalore and International Society for Energy, Environment and Sustainability, J.N Tata Auditorium, India, January 1-3, 2018. Topic title “Membrane bioreactor versus removal of antibiotics”.
- 17) **Invited Speaker** - The 7th International Forum on Industrial Bioprocesses – International Bioprocesses Association (IFIBiop), May 21-25, 2017, Jiangnan University, Wuxi, China. Topic title “Investigation of Domestic Wastewater Treatment Capacity & Nutrient Accumulation by Wetland Roof with Different Local Plants”.
- 18) **Trainer** - The 3rd Franco-Vietnamese School on “Membrane Separation and Renewable Energy for Drinking Water Production and Wastewater Reuse”, April 24th-26th, 2017, Institute of Environmental Technology, Vietnam Academy of Science and Technology & UNESCO – SIMEV.
- 19) **Invited Speaker** – International Conference on Environmental Issue in Asian Countries, January 13rd-14th, 2017, Myongji University, Yongin, Republic of Korea. Topic title “Pollution and Management of Water Environment in Vietnam: Challenges and Opportunity”.
- 20) **Invited Speaker** – The Fourth Korea-ASEAN Engineering Forum: Korea-ASEAN Engineering Nexus for Better Tomorrow organized by National Academy of Engineering of Korea & ASEAN Academy of Engineering and Technology, July 29th, 2016, Westin Chosun Hotel, Seoul, Republic of Korea. Topic title “Water management in Ho Chi Minh City”.
- 21) **Invited Speaker** – Department of Science and Technology of Dong Nai province, November 25th, 2016. Topic title: “Current situation and suitable technology solutions for the field of wastewater treatment technologies of Dong Nai province”.

Conference/Workshop organizer

- The 2nd Green Technologies for Sustainable Water (GTSW) Conference – 2019, in the series of GTSW chaired by University Technology of Sydney (**General Chair** of Organizing Committee GTSW 2019).
- Taiwan-Vietnam Workshop on “Groundwater and Soil Contamination and Remediation”, Palacce hotel, October 31st, 2019 (**Chairman** of Organizing Committee).
- Kick-Off workshop on Energy-efficient water management system for an industrial park in Vietnam (ERWIN), Technical University of Berlin – HCMUT – CARE (**Chairman** of Organizing Committee).
- The 5th International Symposium of Environmental Analytical Chemistry (ISEAC 5 – Asia), May 16th-20th 2017, Ho Chi Minh City, Vietnam. Supported by the International Association of Environmental Analytical Chemistry (IAEAC) - Switzerland (**Co-chair** of Organizing committee).
- International Conference on Environmental Quality Concern, Control and Conservation (EQC 2015), May 08-09, 2015 Kaohsiung, Taiwan (International Program Committee).
- The 4th IWA Regional Conference on Membrane Technology, December 3rd-6th, 2014, REX hotel, Ho Chi Minh City, Vietnam. International Water Association (2014) (**Co-chair** of organizing committee).

Supervision of International/PhD/postdoc students

Postdoc students:

- Dr. Vo Thi Dieu Hien (2020-2021), Postdocral student (HCMUT and NAFOSTED, Ministry of Science and Technology, Vietnam).
- Dr. Quach An Binh (2021-2022), Postdocral student (HCMUT and NAFOSTED, Ministry of Science and Technology, Vietnam).

International students:

- Thierry Mounir (Oct, 2019-April, 2020), EPFL, Switzerland (***Master thesis joint supervision between A/Prof. BX Thanh & Dr. Florian Breider***).
- Laura Stocco (Sep-Dec, 2019), EPFL, Switzerland.
- Remy Berthier (May-July, 2019), The University of Limoges (ENSIL), France.
- Melanie Rydzewski (May-July, 2019), The University of Limoges (ENSIL), France.
- Lorena Serra (May-July, 2019), The University of Limoges (ENSIL), France.
- Marion Casnin (May-July, 2019), The University of Limoges (ENSIL), France.
- Lina Marie (May-June, 2019), Technische Universität Berlin, Germany.
- Marisa Boller (April-June, 2019), EPFL, Switzerland.
- Joana Gericke (October–November 2018), Technische Universität Berlin, Germany.
- Hendrik Hammann (August–September 2018), Technische Universität Berlin, Germany.
- Julia PEROLLA (May–August 2018), The University of Limoges (ENSIL), France.
- Lisa BARRUCAN (May–August 2018), The University of Limoges (ENSIL), France.
- Pauline FLOBINUS (May–August 2018), The University of Limoges (ENSIL), France.
- Lea GUYOMARC'H (June–August 2018), Université de Poitiers, France.
- Constance ARNAUD (May-July 2018), ENSCR (Ecole Nationale Supérieure de Chimie de Rennes), France.
- Wendling Margot (February-May 2018), EPFL, Switzerland.
- Alexandre Marcos (December 2017-March 2018), EPFL, Switzerland.
- Aude Sagnimorte (September– December 2017), EPFL, Switzerland.
- Carl HENRIK Rolf ÅSLUND (July–September 2017), EPFL, Switzerland.
- Nguyen Quoc Tuan Tran (July–August 2017), University of Groningen, Netherlands.
- E SILVA PINHO Nicolas (May-August 2017), The University of Limoges (ENSIL), France.
- FONTAINE Tony (May-August 2017), The University of Limoges (ENSIL), France.
- DADOU Hugo (May-August 2017), The University of Limoges (ENSIL), France.
- JOEL LEE MIN KIT (April–September 2017), Temasek Polytechnic of Singapore, Singapore.
- Muhamad Akmaluddin (April–September 2017), Temasek Polytechnic of Singapore, Singapore.
- Thomas PAYET (May– July 2017), ENGEES, France.
- Sara ANCEL (January–March 2017), EPFL, Switzerland.
- Yara-Maria PROUST (September–November 2016), EPFL, Switzerland.
- Anaïs Ghirardi (September–November 2016), EPFL, Switzerland.
- Luis Antonio Hernandez Hunger- bühler (June–September 2016), EPFL, Switzerland.
- Fiona Claire Collins (July-September 2016), EPFL, Switzerland.
- Doan Ngoc Lam NGUYEN (July-September 2016), Seattle University, United States.
- Antoinette Jestin (July 2016 - January 2017), ENSE3, GRENOBLE, France.
- Aïssatou Cisse (May-August 2016), ENSIL, France.
- Amélie BONNEFIN (May-August 2016), ENSIL, France.
- Benyamin Bin Rahmat (March-September 2016), Temasek Polytechnic of Singapore, Singapore.
- Malcom Lau Jun Xiang (March-September 2016), Temasek Polytechnic of Singapore, Singapore.
- Victor Chan Wai Han (March-September 2016), NUS, Singapore.
- Olive Margot Ninon Lauren (July-September 2015), EPFL, Switzerland.

Awards

- Award “Elsevier 2021 Outstanding Reviewer Award for Environmental Technology & Innovation journal”, 2, 2022.

- Award of “Excellence in Scientific Publication of Vietnam National University – Ho Chi Minh of year 2020-2021”, Decision No. 1686/QĐ-ĐHQG on December 21st, 2021 (Top 1).
- Award of “Pandey Research Excellence Award” for the biennial IBA awards (2019-2020) issued on September 13th, 2021, International Bioprocessing Association, An International Forum on Industrial Bioprocesses [www.ifibiop.org].
- Award of “Excellence in Scientific Publication of Vietnam National University – Ho Chi Minh of year 2019-2020”, Decision No. 1699/QĐ-ĐHQG on December 28th, 2020.
- Award of “Excellence in Scientific Publication of Vietnam National University – Ho Chi Minh of year 2018-2019”, Decision No. 1667/QĐ-ĐHQG on December 26th, 2019.
- Certificate of outstanding reviewer for journals: Bioresource Technology (Elsevier), International Biodeterioration & Biodegradation (Elsevier), Chemosphere (Elsevier), Ecological Engineering (Elsevier), etc.
- The Best Paper Presenter award: “Effect of bed media on the performance of wetland roof system treating domestic wastewater”. The 11th AUN/SEED-Net Regional Conference on Environmental Engineering 2018 (RCEnvE-2018 & The 3rd International Symposium on Conservation and Management of Tropical Lake, September 27th-28th, 2018, Sunway hotel, Phnom Penh, Cambodia.
- The Grand Winner Award (300,000 Japanese Yen, Round trip tickets + Accommodation for 2): Project of Advanced Water Treatment Technology “*Development of New Submerged Direct Contact Membrane Distillation Process for Saline Water Treatment*” by **BX Thanh**, Tech Plant Demo Day in Vietnam 2018, Tech Planter organized by Leave a Nest (Japan), June 9th 2018, Saigon Innovation Hub, Vietnam.
- The Mitsui Chemicals award (2,500 SGD): Project of Advanced Water Treatment Technology “*Development of New Submerged Direct Contact Membrane Distillation Process for Saline Water Treatment*” by **BX Thanh**, Tech Plant Demo Day in Vietnam 2018, Tech Planter organized by Leave a Nest (Japan), June 9th 2018, Saigon Innovation Hub, Vietnam.
- The best poster award - Roland Frei Award: “*Effect of sludge retention time on antibiotics removal in hospital wastewater by sponge membrane bioreactor*” by Phuc L.V, Quyen VTK, Ngoc DTB & **Thanh BX***. The 5th International Symposium on Environmental Analytical Chemistry, May 16th-20th, 2017, REX hotel, Ho Chi Minh city, Vietnam.
- The best paper award: “Aerobic granulation in Sequencing Batch Airlift Reactor for Organic and nitrogen removal”. The 4th AUNSEED-Net Regional Conference on Global Environment and Seminar of NRCT-JSPS Asian Core Program, January 18th-19th, 2012, Emerald Hotel, Bangkok, Thailand.
- SASAKAWA Young Leader Fellowship award (Tokyo Foundation) - 2003.
- Certificate of model lecturer from the Rector of HCMC University for the school year of 2012; 2014; 2016; 2017; 2018.
- Certificate of satisfactory progress from the Rector of HCMC University of Technology for the excellent teaching and scientific research of year 2013.

Journal Reviewer:

- **ASCE**: Journal of Environmental Engineering (Since 2017).
- **Elsevier**: Bioresource Technology (Since 2009); International Biodeterioration and Biodegradation (Since 2010); Journal of Hazardous Materials (Since 2010); Environmental Technology & Innovation (Since 2017); Ecological Engineering (Since 2016); Chemosphere (Since 2015); Sustainable Environment Research (Since 2010); Chemical Engineering Journal (Since 2017); Journal of Environmental Management (Since 2017); Science of Total Environment (since 2019), Journal of Membrane Science (since 2019), Energy (Since 2019), etc.
- **Springer**: Applied Microbiology and Biotechnology (AMAB) (Since 2009); Environmental Science and Pollution Research (ESPR) (Since 2018); International Journal of Environmental Science and Technology (Since 2019), etc.
- **Nature journal** group: Scientific reports.
- **Taylor Francis**: Toxicological & Environmental Chemistry (Since 2017); Desalination and Water Treatment (DWT) (Since 2010); Environmental Technology (Since 2015); Critical Reviews in Environmental Science and Technology (Since 2018); etc.

- **Blackwell Publishing:** Letters in Applied Microbiology (LAM) (Since 2009).
- **IWA Publisher:** Water Science & Technology (Since 2009), Water Practice & Technology (Since 2020), etc.
- **SAGE:** Air, Soil and Water Research (US).
- **VERSITA:** Polish Journal of Chemical Technology (PJCT) (Since 2012).
- **Korean Society of Environmental Engineers:** Environmental Engineering Research (Since 2014)
- **InderScience:** International Journal of Environmental Engineering (IJEE), (Since 2011).
- **University of Technology Sydney:** Journal of Water Sustainability (JWS), (Since 2011).
- **Vietnamese Journals:** Journal of Science & Technology - Viet Nam Academy of Science & Technology (Since 2009), Vietnam Journal of Engineering, Science and Technology, other Vietnamese University journals.

Membership/Credentials

- Member of Central Council, International Forum on Industrial Bioprocesses (IFIBiop), January 2021-December 2022.
- **Member of Scientific Committees** of Applied Research, National Foundation of Science and Technology Development (NAFOSTED), Ministry of Science and Technology, Vietnam on term of 2020-2022 (**National Level**).
- Member of Evaluation Committees of ASEAN Citation Index (ACI) to Scopus Journal (2019 onward)
- **Member of Scientific Committees** in the field of Earth Sciences and Environment, National Foundation of Science and Technology Development (NAFOSTED), Ministry of Science and Technology, Vietnam on term of 2017-2019; 2019-2021 (**National Level**).
- Member of Scientific Committee of several International conferences (IWA, IAEAC, CESE, SEEC, IBA, CLEAR, AMBRES).
- Fellow, ASEAN Academy of Engineering and Technology (AAET).
- Member of American Geophysical Union (AGU), USA (since 2016).
- Member of Membrane Bioreactor Center
- International Water Association – IWA (ID No. 01061086).
- **Life member** of the “International Forum on Industrial Bioprocesses (IFIBiop)” (ID No.: LM-112).
- **Core member** (Asia region) of International Association of Environmental Analytical Chemistry – IAEAC, Switzerland. <http://www.iaeac.com>.
- European Desalination Society.
- MBR network forum, European Commission.
- European Federation of Biotechnology, Barcelona – Spain.
- UEM Network, Southeast Asia Urban Environmental Management Applications (SEA-UEMA) Project, SERD, AIT, Thailand.
- **Core member** of the “International Forum on Green Technology and Management (IFGTM)” founded by Association of Technology Universities in Vietnam.
- Evaluation expert, Foundation of Science and Technology Development - Ton Duc Thang University.
- Member of Technology Assessment Board, Dept. of Science and Technology & Dept. of Natural Resource and Environment (HCMC, Dong Nai, Binh Duong, Vung Tau, Vinh Long, Tra Vinh, etc.)
- Member of Environmental Impact Assessment board of Ministry of Natural Resources and Environment, Viet Nam.
- Member of Technology Assessment Board of Ministry of Science and Technology, Viet Nam.