

# CURRICULUM VITAE



1. **Full name** Assoc. Prof. NGUYEN VO CHAU NGAN
2. **Contact** College of Environment and Natural Resources  
Can Tho University - Can Tho City, Vietnam  
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### 3. **Academic background and grant**

- 2015 - now: Associate Profesor, Can Tho University, Vietnam.
- 2012 - 2016: PostDoctoral, Aarhus University - Denmark. Project title “Sustainable Production of Biogas from Waste Rice Straw”. DANIDA’s Fellow.
- 2008 - 2012: Dr.-Ing. on Waste Management, Technical University of Braunschweig - Germany. Thesis title: Promotion of Biogas Application in the Mekong Delta of Vietnam. Vietnamese’s Training and Research Innovation Grant.
- 2000 - 2002: Master on Water Resource Engineering, Catholic University of Leuven - Belgium. Thesis title: Exploring MathCAD as a tool for Sanitary Engineering. VLIR-IUC scholarship.
- 1993 - 1998: Bachelor in Civil Engineering and Rural Development, Can Tho University - Vietnam. Thesis title: Planning for irrigation system in area from North of Long Xuyen canal to East of Bon Tong canal, An Giang province, Vietnam.

### 4. **Employment background**

- From Dec 2019 up to now: Profesor at College of Environment & Natural Resources, Can Tho University
- From April 2015 to Nov 2019: Deputy Director, Department of International Relations, Can Tho University. Profesor at Department of Environmental Engineering, College of Environment & Natural Resources, Can Tho University
- From May 2013 to March 2015: Head of Department of Environmental Engineering, College of Environment & Natural Resources, Can Tho University
- From February 2008 to May 2013: Lecturer at Department of Environmental Engineering, College of Environment & Natural Resources, Can Tho University
- From March 1999 to January 2008: Lecturer at Department of Environmental Engineering & Water Resource, College of Technology, Can Tho University
- From May 1998 to February 1999: Technical staff at Construction Advisory and Rural Development Company in An Giang province, Vietnam

### 5. **Interested subjects**

1. Wastewater Treatment Technology

2. Water Resources Engineering
3. Waste Management (waste-2-energy)
4. International Co-operation

## **6. Project experience**

1. Project leader: LCASP 26 - Research on biogas technology improvement and effective biogas utilisation by value chain. 2018 - 2019. Project from Vietnam's Ministry of Agriculture and Rural Development.
2. Project leader: WANASEA - Strengthen the production, management and outreach capacities of research in the field of Water and Natural resources in South-East Asia. 2018 - 2020. Erasmus+ programme.
3. Project co-ordinator: VETEC - Vietnamese-European Knowledge and Technology Transfer Education Consortium. 2017 - 2019. Erasmus+ programme.
4. Project member: ECO-RED - European quality course system for renewable energy development. 2016 - 2018. Erasmus+ programme.
5. Project leader: QA/QC monitoring of "Farm household biogas project contributing to rural development in Can Tho City". 2014. JIRCAS-CTU funding.
6. Project leader: Evaluation on gas emission from the biogas digester. 2013. JIRCAS-CTU funding.
7. Project leader: Study on environment current status and preparing the environment protection action plan for Vinh Chau town up to 2015 toward to 2020. 2012 - 2013.
8. Project leader: Promotion of Biogas Application in the Mekong Delta of Vietnam. 2009 - 2012. TRIG2 programme.
9. Project member: Consultancy to Prepare an Activity Completion Report for the Options and Ownership: Water and Sanitation for Rural Poor in the Mekong Delta Project. 2011. CARE-AUSAID funding.
10. Project leader: Review of CARE-WATSAN project models in Soc Trang Province. 2010. CARE-AUSAID funding.
11. Project member: INVENT - Integrated Waste Management Modules for Difference Courses of Graduate Studies. 2007. Asia-Link programme.
12. Project member: VIE020 - Production of Aqua and Agricultural Products and Renewable Energy from Water Hyacinths and Waste. 2007. Lux-Development programme.
13. Project leader: Review of consultancy selection for domestic wastewater treatment plant project at Soc Trang province (kwf). 2006.
14. Project member: RENEW - Feasibility study for a biogas and a biomass combustion plant on Phu Quoc, Vietnam. 2005 - 2006. EU-ASEAN Energy Facility Programme.

15. Project member: RESTOPEAT - Restoration of tropical peatland to promote sustainable use of renewable natural resources. 2004 - 2008. Asia-Link programme.
16. Project member: BIOREM - Bioremediation of oil spills in Vietnam. 2004 - 2005. EU-supported joint project within the Asia Pro Eco Programme.
17. Project member: Study on Water Pollution problems in Soc Trang town, Vietnam. 2003.
18. Project member: Closing Nutrient Cycles with hygienically safe substrates of rural water management systems in the Mekong-Delta, Vietnam. 2003. SANSED project (collaboration between Can Tho University and Bonn University - Germany).
19. Project member: Study on Industrialization and Modernization in Tan Thuan, Chau Thanh A, Hau Giang. 2002.
20. Project member: Water Quality Monitoring in the Bassac River. 2002. VLIR project (collaboration between Can Tho University and Catholic University of Leuven - Belgium).
21. Project member: Water Management in the Mekong Delta. 2000. DORAS project (collaboration between Can Tho University and EU).

## **7. Publications (in the last 5 years)**

### *Scientific journals*

1. Nguyen Dinh Giang Nam, Goto A, Osawa K., Nguyen Vo Chau Ngan (2019). Modeling for analyzing effects of groundwater pumping in Can Tho city, Vietnam. *International Association of Lowland Technology* 21(1) 33–43.
2. Lê Văn Dũ, Lê Trọng Thắng, Trần Phú Hòa, Nguyễn Võ Châu Ngân (2019). Applying the BMWPVIET-ASPT biological index to survey surface water quality at Tra Su forest - An Giang province. *Can Tho University Journal of Science* 55(1) 261–269.
3. Lê Hoàng Việt, Nguyễn Võ Châu Ngân (2019). Primary study on operation parameters of fenton/ozone process to treat health care wastewater. *Thu Dau Mot University Journal of Science* 3(42) 13–22.
4. Lê Hoàng Nam, Nguyễn Võ Châu Ngân (2019). Effectiveness of the settling pond for wastewater treatment from industrial pangasius fish-farms in Thanh Binh district - Dong Thap province. *Thu Dau Mot University Journal of Science* 3(42) 3–12.
5. Tran Thi Kim Hong, Nguyen Cong Thanh, Nguyen Phu Hoa, Banh Thanh Hung, Nguyen Thanh Quang, Nguyen Xuan Du, Nguyen Vo Chau Ngan (2019). Melaleuca forest habitat in Tra su melaleuca forest landscape conservation area, Tinh Bien district, An Giang province. *Thu Dau Mot University Journal of Science* 1(40) 60–69.
6. Pham Thi Ngoc Tram, Nguyen Hoang, Nguyen Duc Dat Duc, Nguyen Thanh Quang, Dao Minh Trung, Nguyen Vo Chau Ngan, Nguyen Xuan Du (2019). Research on

- activated carbon preparation from Macadamia shells using  $H_3PO_4$  activating agent applied for Methylene blue treatment. Thu Dau Mot University Journal of Science 1(40) 35–42.
7. Dao Minh Trung, Nguyen Xuan Du, Nguyen Duc Dat Duc, Nguyen Thanh Quang, Nguyen Vo Chau Ngan (2019). Research on activated carbon preparation from macadamia shells using KOH activating agent applied for Methylene blue treatment. Thu Dau Mot University Journal of Science 1(40) 18–25.
  8. Lê Hoàng Việt, Nguyễn Lam Sơn, Huỳnh Lương Kiều Loan, Nguyễn Võ Châu Ngân (2019). Treating medical wastewater by combination of Fenton/ozone process and SAFB reactor. Can Tho University Journal of Science, 55a: 14–22 (in Vietnamese).
  9. Lê Hoàng Việt, Nguyễn Thị Huyền Trân, Hoàng Thị Hiếu, Nguyễn Võ Châu Ngân (2018). A study on auxiliary coagulant dosage for slaughter-house wastewater treatment by coagulation-flocculation technology. Scientific Journal of Sai Gon University. 59: 28–37 (in Vietnamese).
  10. Banh Thanh Hung, Tran Phu Hoa, Nguyen Vo Chau Ngan (2018). Survey on fish quantity and composition at Tra Su mangrove forest. Journal of Resources and Environment. 7(285) 28–30 (in Vietnamese).
  11. Lê Hoàng Nam, Nguyễn Văn Bé, Nguyễn Võ Châu Ngân (2017). Study on fish pond water quality serve for pond quality management. Thu Dau Mot University Journal of Science. 4(35) 46–54 (in Vietnamese).
  12. Đào Minh Trung, Nguyễn Thanh Quang, Nguyễn Võ Châu Ngân, Nguyễn Xuân Dũ (2017). Research make flocculants material biological biogum from *Cassia Fistula L* and surveying improvement quality industrial wastewater. Thu Dau Mot University Journal of Science. 3(34) 37–44 (in Vietnamese).
  13. Lê Hoàng Việt, Nguyễn Võ Châu Ngân, Đặng Huỳnh Giao, Nguyễn Văn Dũng (2017). Study on groundwater treatment by cold plasma technology. Thu Dau Mot University Journal of Science. 3(34) 45–54 (in Vietnamese).
  14. Lê Hoàng Việt, Lê Thị Chúc Ly, Cao Thị Kim Ngọc, Nguyễn Võ Châu Ngân (2017). Apply wetland for domestic wastewater treatment and create landscape. Journal of Science of Hồ Chí Minh Pedagoda University. 3(14) 162–175 (in Vietnamese).
  15. Lê Hoàng Việt, Ngô Huệ Đức, Nguyễn Hữu Thuấn, Nguyễn Võ Châu Ngân (2017). Treatment of Pangasius fish processing wastewater by combined anaerobic and aerobic package cage rotating biological contactors. Journal of Science and Technology Development of National University of Ho Chi Minh. 20: 122–130 (in Vietnamese).
  16. Lê Hoàng Việt, Trần Tố Uyên, Nguyễn Việt Đức, Nguyễn Võ Châu Ngân (2017). Primary treatment of sugarcane processing wastewater by combination of chemical

- coagulation and electro-flotation process. *Can Tho University Journal of Science*, 50a: 66–76 (in Vietnamese).
17. Lê Hoàng Việt, Lưu Thị Nhi Ý, Võ Thị Đông Nhi, Nguyễn Võ Châu Ngân (2017). Study on treatment of biogas effluent by high rate *Spirulina sp.* algae culture pond. *Can Tho University Journal of Science*, 49a: 1–10 (in Vietnamese).
  18. Nguyễn Võ Châu Ngân, Hồ Trung Hiếu, Nguyễn Thanh Hậu, Ngô Văn Ánh (2017). Study on reuse of plastic waste to produce light concrete as construction material. *Can Tho University Journal of Science*, 49a: 41–46 (in Vietnamese).
  19. Lê Hoàng Việt, Trần Phương Bình, Mai Trung Hậu, Nguyễn Võ Châu Ngân (2017). Study on operation parameters of combined process on coagulation-flocculation and fenton to treat printing factory wastewater. *Can Tho University Journal of Science*, Special issue on Environment and Climate change, 162–172 (in Vietnamese).
  20. Lê Hoàng Việt, Nguyễn Võ Châu Ngân (2017). Study on treatment of sugarcane processing wastewater by the aerobic moving bed biofilm reactor with different hydraulic retention time. *Can Tho University Journal of Science*, Special issue on Environment and Climate change, 173–180 (in Vietnamese).
  21. Trần Sỹ Nam, Lê Thị Mộng Kha, Hồ Vũ Khanh, Huỳnh Văn Thảo, Nguyễn Võ Châu Ngân, Nguyễn Hữu Chiêm, Lê Hoàng Việt, Kjeld Ingvorsen (2017). The possibility of producing biogas from rice straw and water hyacinth at different VS's concentration in batch anaerobic experiment. *Can Tho University Journal of Science*, Special issue on Environment and Climate change, 93–99 (in Vietnamese).
  22. Đào Minh Trung, Nguyễn Võ Châu Ngân, Lê Văn Huỳnh, Ngô Kim Định, Nguyễn Xuân Dũ (2017). Study on treatment of  $\text{Cu}^{2+}$  from plating wastewater by HY- $\text{CoFe}_2\text{O}_4$  biogum. *Vietnam Journal of Catalysis and Adsorption*, 4: 117–120 (in Vietnamese).
  23. Nguyen Vo Chau Ngan, Nguyen Van Be, Nguyen Xuan Du (2017). Study on fish growing in hapa conditions using bio-slurry from co-digestion process. *International Journal of Advanced Scientific Research and Management*, 2(6) 69–76.
  24. Le Hoang Viet, Nguyen Van Be, Nguyen Vo Chau Ngan (2017). Producing biomass *Chlorella sp.* and *Moina sp.* from domestic wastewater. *International Journal of Advanced Scientific Research and Management*, 2(6) 59–65.
  25. Nguyen Vo Chau Ngan, Luong Thi Diem Thuy, Dao Minh Trung (2017). Apply *Cassia Fistula* seed gum as auxiliary bio-coagulant for fish processing wastewater treatment. *International Journal of Advanced Scientific Research and Management*, 2(6) 46–51.
  26. Đào Minh Trung, Nguyễn Võ Châu Ngân (2017). Evaluationg copper plating wastewater quality of biological flocculants. *Journal of Science of Ho Chi Minh University of Education*, 14(6) 101–110 (in Vietnamese).

27. Lê Hoàng Việt, Lê Thị Chúc Ly, Cao Thị Kim Ngọc, Nguyễn Võ Châu Ngân (2017). The use of constructed wetland for domestic wastewater treatment and creating landscape. *Journal of Science of Ho Chi Minh University of Education*, 14(3) 162–175 (in Vietnamese).
28. Lê Hoàng Việt, Đặng Thị Hồng Yến, Nguyễn Võ Châu Ngân (2017). Study on apply USBF with ‘PET’ medium to treat for restaurant wastewater. *Scientific Journal of Thu Dau Mot University*, 1(32) 143–152 (in Vietnamese).
29. Lê Hoàng Nam, Đặng Thu Hoài, Nguyễn Thùy Trang, Nguyễn Võ Châu Ngân (2017). Survey on fish raising situation and surface water quality at Cat-fish raising areas in Thanh Binh - Dong Thap. *Scientific Journal of Thu Dau Mot University*, 1(32) 181–190 (in Vietnamese).
30. Ngo Thi Thanh Truc, Tran Sy Nam, Nguyen Vo Chau Ngan, Jan Bentzen (2017). Factors influencing the adoption of small-scale biogas digesters in developing countries - Empirical evidence from Vietnam. *International Business Research*, 10(2) 1–8.
31. Nguyen Vo Chau Ngan, Trinh Hoai Duc, Tran Chi Toi, Do Thi My Phuong (2016). Energy recovery from active sludge of wastewater treatment plants. *Journal of Science and Technology*, 54(2A) 49–55.
32. Nguyen Le Phuong, Thach Hai, Nguyen Van Liem, Duong Ngoc Tram, Nguyen Thi Ngoc Trang, Kim Lavane, Nguyen Vo Chau Ngan (2016). Study on co-fermentation of cow dung and giant dirt in semi-continuous anaerobic digester. *Journal of Science and Technology*, 54(2A) 289–292.
33. Lê Hoàng Việt, Đặng Thanh Nhân, Nguyễn Hoài Phương, Nguyễn Võ Châu Ngân (2016). Biogas production from pig-raising wastewater by anaerobic package cage rotating biological contactor with rice-straw medium. *Can Tho University Journal of Science*, 47(a) 13–21 (in Vietnamese).
34. Lê Hoàng Việt, Nguyễn Thị Kim Duyên, Phạm Thị Phương Thùy, Nguyễn Võ Châu Ngân (2016). Evaluation the efficiency of domestic wastewater treatment by high rate algae pond culture *Spirulina sp.* with additional light illumination at night. *Scientific Journal of Thu Dau Mot University*, 5(30) 34–43 (in Vietnamese).
35. Bùi Như Ý, Nguyễn Võ Châu Ngân (2016). Survey on adaptation level to the modern rural’s environmental standard - Case study at Vĩnh Hải, Vĩnh Châu, Sóc Trăng. *Can Tho University Journal of Science, Special issue on Agriculture*, 61–70 (in Vietnamese).
36. Dao Minh Trung, Tran Thi Thanh Ngoc, Nguyen Thi Thao Tran, Ngo Kim Dinh, Nguyen Vo Chau Ngan (2016). Natural auxiliary coagulants - perspectives for the treatment of textile wastewater. *Journal of Vietnamese Environment*, 8(3) 190–194.

37. Tran Sy Nam, Le Ngoc Dieu Hong, Huynh Van Thao, Nguyen Huu Chiem, Le Hoang Viet, Kjeld Ingvorsen, Nguyen Vo Chau Ngan (2016). Enhancing biogas production by anaerobic co-digestion of water hyacinth and pig manure. *Journal of Vietnamese Environment*, 8(3) 195–199.
38. Dao Minh Trung, Le Hung Anh, Nguyen Thi Khanh Tuyen, Nguyen Vo Chau Ngan (2016). Effectiveness on color and COD of textile wastewater removing by biological material obtained from *Cassia fistula* seed. *Journal of Vietnamese Environment*, 8(2) 121–128.
39. Đào Minh Trung, Nguyễn Võ Châu Ngân, Ngô Kim Định (2016). Investigating the effectiveness of chemical coagulants and bio-coagulants in textile wastewater treatment. *Journal of Science of Ho Chi Minh University of Education*, 9(87) 127–137 (in Vietnamese).
40. Lê Hoàng Việt, Trần Thị Kim Mân, Nguyễn Võ Châu Ngân (2016). Efficiency of treating fish processing wastewater by aerotank with medium from PET bottles. *Journal of Science of Sai Gon University*, 20(45) 102–113 (in Vietnamese).
41. Đào Minh Trung, Bùi Thị Thu Hương, Ngô Kim Định, Nguyễn Võ Châu Ngân (2016). Assessing the effectiveness flocculation water fishery by some flocculation auxiliaries extracts from plants. *Science and Technology Development Journal of Vietnam National University - Ho Chi Minh city*, 19: 267–287 (in Vietnamese).
42. Đào Minh Trung, Bùi Thị Thu Hương, Nguyễn Võ Châu Ngân (2016). Applying bio-coagulation on aquaculture processing wastewater improvement. *Journal of Science of Ho Chi Minh University of Education*, 6(84) 134–146 (in Vietnamese).
43. Taro Izumi, Eiji Matsubara, Duong T. Dung, Nguyen V. C. Ngan, Nguyen H. Chiem, Yoshiro Higano (2016). Reduction of greenhouse gas emissions in Vietnam through introduction of a proper technical support system for domestic biogas digesters. *Journal of Sustainable Development*, 9(3) 224–235.
44. V. H. Nguyen, S. Topno, C. Balingbing, V. C. N. Nguyen, M. Röder, J. Quilty, C. Jamieson, P. Thornley, M. Gummert (2016). Generating a positive energy balance from using rice straw for anaerobic digestion. *Energy report*, 2: 117–122.
45. Nguyen Le Phuong, Le Thi Thao Quyen, Nguyen Thi Ngoc Huyen, Nguyen Thi Nhu Huynh, Nguyen Thi Diem Trang, Nguyen Vo Chau Ngan (2015). Biogas production from corn (*Zea mays*) stalks: Effects of sizes. *Journal of Fishery Science and Technology*. 69–75.
46. Nguyen Thanh Loc, Vo Thi Cam Thu, Nguyen Truc Linh, Dang Cuong Thinh, Phung Thi Hang, Nguyen Vo Chau Ngan (2015). Evaluation of treatment efficiency of domestic wastewater by aquatic plants. Special Issue “Environment & Climate Change” of *Can Tho University Journal of Science*, 119–128 (in Vietnamese).

47. Le Hoang Viet, Nguyen Vo Chau Ngan, Ta Hoang Ho, Nguyen Van Phu (2015). Treatment efficiency of fish processing wastewater by submerged biological aerated filter. Special Issue “Environment & Climate Change” of Can Tho University Journal of Science, 94–101 (in Vietnamese).
48. Nguyen Le Phuong, Truong Minh Chau, Nguyen Van Du, Lam Thanh Ai, Nguyen Vo Chau Ngan (2015). Effects of mixing ratios to biogas production of anaerobic co-digestion of cow manure in combination of corn stalks or aquatic weed. Special Issue “Environment & Climate Change” of Can Tho University Journal of Science, 71–79 (in Vietnamese).
49. Tran Sy Nam, Nguyen Phuong Chi, Nguyen Huu Chiem, Le Hoang Viet, Nguyen Vo Chau Ngan, Kjeld Ingvorsen (2015). Effect of biological pretreatment of water hyacinth on biogas production in batch anaerobic digestion with pig manure. Special Issue “Environment & Climate Change” of Can Tho University Journal of Science, 102–110 (in Vietnamese).
50. Le Hoang Viet, Doan Thi Ngoc Mai, Dao Tan Phuong, Nguyen Vo Chau Ngan (2015). Evaluating the efficiency of electro-flotation of cat-fish processing waste water. Can Tho University Journal of Science, 39a (in Vietnamese).
51. Nguyen Vo Chau Ngan, Nguyen Thi Kim Ngan, Huynh Quoc Truong, Le Hoang Viet (2015). Evaluating treatment efficient of fish processing wastewater by trickling filter tank with cocopeat medium and sawdust medium. Can Tho University Journal of Science, 37a (in Vietnamese).
52. Tran Sy Nam, Huynh Van Thao, Huynh Cong Khanh, Nguyen Vo Chau Ngan, Le Hoang Viet, Nguyen Huu Chiem, Ingvorsen K. (2015). The components of volatile fatty acids in semi-continuous anaerobic co-digestion of rice straw and water hyacinth and pig manure. Journal of Science and Technology 53 (3A).
53. Tran Sy Nam, Huynh Cong Khanh, Huynh Van Thao, Nguyen Vo Chau Ngan, Nguyen Huu Chiem, Le Hoang Viet, Ingvorsen K. (2015). Biogas production from rice straw and water hyacinth - The effect of mixing in semi-continuous reactors. Journal of Science and Technology 53 (3A).
54. Nguyen Vo Chau Ngan, Tran Sy Nam, Nguyen Huu Chiem, Le Hoang Viet, Ingvorsen K. (2015). Effects of C/N ratios on anaerobic co-digestion of pig manure and local biomass in the Mekong Delta. Journal of Science and Technology 53 (3A).
55. Tran Sy Nam, Huynh Van Thao, Huynh Cong Khanh, Nguyen Vo Chau Ngan, Nguyen Huu Chiem, Le Hoang Viet, Kjeld Ingvorsen (2015). Evaluation the possibility of using rice straw and water hyacinth in semi-continuous anaerobic fermentation - the application on farm scale polyethylene biogas digesters. Can Tho University Journal of Science, 36a (in Vietnamese).



56. Nguyen Vo Chau Ngan, Hong Minh Hoang, Phan Ngoc Linh, Nguyen Thi Nhat Linh, Pham Cha My, Kieu Thanh Nguyet, Pham Minh Tri (2015). Co-benefits from applying co-digester's bio-slurry to farming activities in the Mekong Delta. *Electric Journal of Health Environment*.

### ***Books***

1. Nguyen Vo Chau Ngan, Nguyen Huu Chiem, Le Hoang Viet, Tran Sy Nam, Vu Ngoc Ut, Kjeld Ingvorsen (2017). *Water hyacinth - Potential for biogas production*. Agricultural Publishing House (in Vietnamese).
2. Nguyễn Hữu Chiêm, Trần Sỹ Nam, Nguyễn Võ Châu Ngân, Lê Hoàng Việt, Kjeld Ingvorsen (2017). *Rice straw at the Mekong Delta and its potential for biogas production*. Agricultural Publishing House (in Vietnamese).
3. Lê Hoàng Việt, Nguyễn Võ Châu Ngân (2015). *Micro-organism in the environmental engineering*. Can Tho University Publishing House.
4. Lê Hoàng Việt, Nguyễn Võ Châu Ngân (2015). *Re-use on organic wastes*. Can Tho University Publishing House.
5. Lê Hoàng Việt, Nguyễn Võ Châu Ngân (2015). *Wastewater treatment techniques*. Can Tho University Publishing House.

### ***Book Chapters***

1. Nguyen Vo Chau Ngan, Francis Mervin S. Chan, Tran Sy Nam, Huynh Van Thao, Monet Concepcion Maguyon-Debras, Dinh Vuong Hung, Do Minh Cuong, Nguyen Van Hung (2020). Anaerobic digestion of rice straw for biogas production. In: *Sustainable Rice Straw Management*, edited by Gummert M. et al. Springer Open. 65–92.
2. Nguyen Thanh Nghi, Ryan R. Romasanta, Nguyen Van Hieu, Le Quang Vinh, Nguyen Xuan Du, Nguyen Vo Chau Ngan, Pauline Chivenge, Nguyen Van Hung (2020). Rice straw-based composting. In: *Sustainable Rice Straw Management*, edited by Gummert M. et al. Springer Open. 33–42.
3. Nguyen Vo Chau Ngan, Nguyen Huu Chiem, Tran Sy Nam, Le Hoang Viet, Kjeld Ingvorsen (2019). Rice straw - An alternative for energy generation by anaerobic co-digestion to pig manure. In: *Water and Power - Environmental Governance and Strategies for Sustainability in the Lower Mekong Basin*, edited by Stewart M.A., Coclanis P.A.. Springer International Publishing AG. 153–172.
4. Nguyen Dinh Giang Nam, Goto Akira, Osawa Kazutoshi, Nguyen Hieu Trung, Nguyen Vo Chau Ngan (2019). Assessment of groundwater quality and its suitability for domestic and irrigation use in the coastal zone of the Mekong Delta, Vietnam. In: *Water and Power - Environmental Governance and Strategies for Sustainability in the Lower Mekong Basin*, edited by Stewart M.A., Coclanis P.A.. Springer International Publishing AG. 173–186.

### **Conference Proceedings**

1. Nguyễn Võ Châu Ngân, Kim Lavane, Phan Nhật Trường, Trần Phú Hòa (2018). Study on land morphology under flora bed at Tra Su forest. Conference “Sustainable using of land resource in the Mekong Delta”, Can Tho city, 11/2018 (in Vietnamese).
2. Nguyễn Võ Châu Ngân, Trương Minh Hùng, Nguyễn Minh Hoàng, Trần Phú Hòa (2018). Study on current status of forest utilization and forest exploitation potential in Tra Su mangroves forest. Conference “Forestry and Climate Change in the Mekong Delta”, Can Tho city, 10/2018 (in Vietnamese).
3. Nguyễn Võ Châu Ngân, Kim Lavane, Lê Trọng Thắng, Nguyễn Đình Giang Nam, Trần Phú Hòa (2018). Survey on soil quality at Tra Su Malalleuca forest. Conference “Sustainable Soil Resources Application in the Mekong delta 2018”. Vietnamese Soil Science Journal. 90–94 (in Vietnamese).
4. Đào Minh Trung, Lê Thị Đào, Nguyễn Xuân Dũ, Nguyễn Võ Châu Ngân (2017). Removal of heavy metal ions from plating metal wastewater by Ferromagnetism Nano-Oxide ( $\text{CoFe}_2\text{O}_4$ ) and Ferromagnetism Nano-OH materials. The 6<sup>th</sup> International Workshop on Nanotechnology and Application, Phan Thiet - Viet Nam, 8 - 11/11/2017, 335–338.
5. Lê Hoàng Việt, Nguyễn Võ Châu Ngân (2017). Increasing produced biogas volume from livestock wastewater by anaerobic package cage rotating biological contactor with rice straw medium. The National Conference of Animal and Veterinary Sciences. Can Tho city - VietNam, 11 - 12/3/2017. Agricultural Publishing House, 532–538 (in Vietnamese).
6. Lê Hoàng Việt, Đỗ Thị Ngọc Diệp, Lê Nguyễn Bích Như, Nguyễn Võ Châu Ngân (2017). Study on using biogas effluent to produce *Spirulina sp.* for animal feeds. The National Conference of Animal and Veterinary Sciences. Can Tho city - VietNam, 11 - 12/3/2017. Agricultural Publishing House, 524–531 (in Vietnamese).
7. Lê Hoàng Việt, Trương Nhật Thanh, La Thị Phụng Tiên, Nguyễn Võ Châu Ngân (2016). Evaluate the pig raising wastewater treatment efficiency by anaerobic package cage rotating biological contactor with rice straw medium. The Land Management Conference at the Mekong Delta. Can Tho University Publishing House, 65–76.
8. Lê Hoàng Việt, Dương Thị Hồng Chi, Trần Thị Thu Hà, Nguyễn Võ Châu Ngân (2016). Treatment of domestic wastewater by high rate algae pond culture *Chlorella sp.* and raising *Moina sp.* The Land Management Conference at the Mekong Delta. Can Tho University Publishing House, 54–64.
9. Nguyen Vo Chau Ngan, Tran Sy Nam (2015). Greenhouse Gas Emmission From on-Field Straw Burning in The Mekong Delta of Viet Nam. The 8<sup>th</sup> Asian crop science association conference. Ha Noi 23 - 25/9/2014. Agricultural University Press.

10. Tran Sy Nam, Huynh Van Thao, Nguyen Phuong Chi, Nguyen Vo Chau Ngan, Nguyen Huu Chiem, Kjeld Ingvorsen (2015). Improved biogas production from water hyacinth by co-digestion with pig manure - Effect of pretreatment. The 3<sup>rd</sup> International Symposium on Formulation of the cooperation hub for global environmental studies in Indochina region. Da Nang University, August 2015.
11. Nguyen Vo Chau Ngan, Nguyen Thi Thuy, Doan Thi Thuy Kieu, Ngo Quoc Vinh, Do Thi My Phuong, Tran Sy Nam (2015). Co-benefit of biogas technology by using effluent from biogas digester in organic agriculture cultivation. The National Conference on Animal and Veterinary Science. Can Tho University, April 2015 (in Vietnamese).
12. Nguyen Vo Chau Ngan, Nguyen Thi Be Gai, Nguyen Thi Thu Van (2015). Treatment efficiency of micro-organism on anaerobic co-digestion from pig dung and biomass. The National Conference on Animal and Veterinary Science. Can Tho University, April 2015 (in Vietnamese).
13. V. C. N. Nguyen, S. N. Tran, H. V. Le, T. T. Nguyen, K. Ingvorsen (2015). Paddy straw application for energy production to reduce in situ straw burning in the Mekong Delta of Vietnam. The International Conference on Solid Wastes 2015: Knowledge Transfer for Sustainable Resource Management. Hongkong, May 2015.

## **8. Languages**

	Speaking	Reading	Writing
Vietnamese	Mother Tongue	Mother Tongue	Mother Tongue
English	Excellent	Excellent	Excellent

## **Certification**

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications and my experience.



**Date:** Feb 15<sup>th</sup>, 2020

**Name:** NGUYEN VO CHAU NGAN