



CURRICULUM VITEA

I. BIO-DATA

Full name: **Loc Xuan Nguyen**

Date of birth: June 7th 1981

Email: nxloc@ctu.edu.vn

Work place: College of Environment and Natural resources, Cantho city, Vietnam

Position: Lecturer

Highest degrees: PhD in plant ecophysiology, Master in environmental sciences

Gender: male

Place of birth: Kien Giang province

Nationality: Vietnamese

II. EDUCATION

1. Undergraduate

Major: Environmental management

Year: 2004

Institution: Can Tho University, Vietnam

2. Post-graduate

Major: Environmental sciences (MSc)

Year: 2008

Institution: Can Tho University, Vietnam

Thesis: Domestic wastewater treatment efficiency of *Sesbania rostrata*, *Oryza sativa* L., *Ricinus communis*, *Phragmites* spp. and *Pennisetum purpureum*.

Major: Plant ecophysiology (PhD)

Year: 2013

Institution: Aarhus University, Denmark

Disseration: Effects of environmental factors on gas-exchange characteristics of *Phragmites australis*

3. Languages

1. Vietnamese

Proficiency: mother language

2. English

Proficiency: fluently

III. HISTORY AND PROFESSIONAL

Time	Place	Position
08/2004 – 01/2008	Department of Environmental management, College of Agriculture and Applied biology, Can Tho University, Vietnam	Researcher
2/2008 – 10/2009	Department of Environmental management, College of Environment and Natural resources, Can Tho University, Vietnam	Researcher
11/2009 – 04/2013	Department of Bioscience, Faculty of Science and Technology, Aarhus University, Denmark	PhD student
06/2013 - nay	College of Environment and Natural resources, Can Tho University, Vietnam	Lecturer

IV. SCIENTIFIC RESEARCH AND PUBLICATION

1. Researches

No.	Research	Accomplishment	Level	Postion
1	A survey on sewage sludge management status in the centre of Can Tho City	2009	Cantho University	Leader
2	Usage of <i>Spirulina</i> sp. and <i>Chlorella</i> sp. for removing nitrate, amonium and phosphate from wastewater of intensive <i>Pangasianodon hypophthalmus</i> aquaculture	2015	Cantho University	Leader

2. Publication

1. Trương Thị Nga, Lương Nhã Ca, Trương Hoàng Đan, **Nguyễn Xuân Lộc**, Nguyễn Công Thuận, 2007. Use of *Pistia stratiotes* and *Salvinia cucullata* for wastewater treatment. Journal of Vietnam soil science-28, 80:86.
2. Trương Hoàng Đan, Trần Dương, Ngô Minh Hằng Trương Thị Nga, **Nguyễn Xuân Lộc**, Nguyễn Công Thuận, 2007. Effects of soil types on *Sesbania sesban* growing. Journal of Vietnam soil science-28, 17:22.
3. **Nguyễn Xuân Lộc**, Trương Thị Nga, Huỳnh Quốc Tĩnh, 2007. Water quality in extensive culture of *Penaeus monodon* at Tam Giang I Forestry and Fishery Enterprise, Ngọc Hiển district, Cà Mau province. Journal of science of Can Tho University, 2008:99, 202:209.
4. Christian Brandt, **Nguyen Xuan Loc**, Trương Thị Nga and Mathias Becker, 2008. Pre-screening aquatic species for wastewater treatment-SANSED project. International workshop on Decentralized wastewater treatment systems and Beneficial reuse of generated substrate, Vietnam.
5. Christian Brandt, **Nguyen Xuan Loc**, Trương Thị Nga and Mathias Becker, 2008. Physical-chemical change of wastewater properties in a constructed wetland –

- SANSED project. International workshop on decentralized wastewater treatment systems and Beneficial reuse of generated substrates, Vietnam.
6. **Nguyễn Xuân Lộc**, 2008. Effects of domestic wastewater treatment of *Sesbania rostrata*, *Oryza sativa* L., *Ricinus communis*, *Phragmites australis* and *Pennisetum purpureum*. Master thesis on Environmental Science– Can Tho University
 7. **Nguyễn Xuân Lộc** Trương Thị Nga. A survey on sewage sludge management status in the centre of Can Tho City. Journal of Vietnam soil science- 34/2010, 123-128
 8. Trương Thị Nga, Christian Brandt, **Nguyễn Xuân Lộc** and Mathias Becker. Assessment of adaptation of aquatic plants in wastewater. Journal of Vietnam soil science-34/2010 (129:133)
 9. **Nguyễn Xuân Lộc** và Trương Thị Nga. Effects of domestic wastewater treatment of *Ricinus communis*, *Phragmites australis* and *Pennisetum purpureum*. Journal of Vietnam soil science- 34/2010 (139:144)
 10. Matamoros V., Arias C.A., **Nguyen L.X.**, Salvadó V., Brix H. Occurrence and behavior of emerging contaminations in surface water and restored wetland. Chemosphere (2012) 88 (9) 1083-1089
 11. Matamoros V., **Nguyen L.X.**, Arias C.A., Nielsen S., Laugen M.M., Brix H. Musk fragrances, DEHP and heavy metals in a 20 years old sludge reed bed system. Water research (2012) 46 (12) 3889-2896
 12. Matamoros V., **Nguyen L.X.**, Arias C.A., Salvadó V., Brix H. Evaluation of aquatic plants for removing polar microcontaminants: a microcosm experiment. Chemosphere (2012) 88 (10) 1257-1264
 13. Eller F., Lambertini C., **Nguyen L. X.**, Achenbach L., Brix H. Interactive effects of elevated temperature and CO₂ on two phylogeographically distinct clones of common reed (*Phragmites australis*). AoB PLANTS (2012), doi:10.1093/aobpla/pls051
 14. **Nguyen X. L.** Effects of environmental factors on gas-exchange characteristics of *Phragmites australis*. PhD dissertation 2012. Aarhus University, Denmark.
 15. Achenbach L.; Eller F.; **Nguyen L. X.**, Brix H. Differences in salinity tolerance of genetically distinct *Phragmites australis* clones. AoB PLANTS (2013), doi: 10.1093/aobpla/plt01920.
 16. **Nguyen L. X.** Lambertini C., Sorrell K. B., Eller F., Achenbach L. Brix H. Photosynthesis and leaf functional traits of co-existing *Phragmites* haplotypes at the Gulf Coast of North America: Are the characteristics determined by adaptations derived from their native origin? AoB PLANTS (2013), doi: 10.1093/aobpla/plt016
 17. Franziska Eller, Carla Lambertini, **Loc Xuan Nguyen** and Hans Brix. 2014. Increased invasive potential of non-native *Phragmites australis*: elevated CO₂ and temperature alleviate salinity effects on photosynthesis and growth. Global Change Biology, 20, 531–543.
 18. Wen-Yong Guo, Carla Lambertini, **Loc Xuan Nguyen**, Xiu-Zhen Li, Hans Brix. 2014. Preadaptation and post-introduction evolution facilitate the invasion of *Phragmites australis* in North America. Ecology and Evolution, 4 (24), 4567-4577.
 19. Tran Chan Bac, **Nguyen Xuan Loc**. 2015. Usage of *Spirulina* sp. for removing nitrate and phosphate from wastewater of intensive *Pangasianodon hypophthalmus* culture. Journal of Science and Technology 53 (3A) 79-84
 20. Tran Chan Bac, Le Thi Quyen Em, Pham Hong Nga, **Nguyen Xuan Loc**, Nguyen Minh Chon. 2015. Usage of wastewater from *Pangasianodon hypophthalmus* ponds to culture *Chlorella* sp. Can Tho University journal of science, 39 (2015) 90-96.