

## Curriculum vitae

**Name:** NGUYEN XUAN HOA (Male)  
**Date of Birth:** November 21 1987  
**Address:** Trau Quy town, Gia Lam district, Hanoi, Vietnam  
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**Office:** Faculty of Environment, Vietnam National University of Agriculture.  
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**Employment:** The government  
**Position:** Lecturer, Researcher of Vietnam National University of Agriculture.

### Vocational Record/ Employment record:

- From 2008 until now: Researcher of Centre for land resources and environmental technology (CLRET), Vietnam National University of Agriculture (VNUA), Hanoi, Vietnam.
- From 2012 until now: Lecturer, Researcher at Vietnam National University of Agriculture (VNUA), Hanoi, Vietnam.
- From 2016 until now: Researcher Assistant, Lecturer Assistant, University of the Ryukyus, Japan.

**Major:** Microbiology, Environmental Engineering Science, Biology Technology, Environment Planning.

### Academic background

- September 2006 - August 2010: Undergraduate course in Environmental Engineering Science at Hanoi University Agriculture (HUA), Hanoi, Vietnam.
- September 2010 - August 2012: Master course in Environmental Engineering Science at Vietnam National University of Agriculture (VNUA), Hanoi, Vietnam.
- April 2015 – March 2018: Doctoral course in Marine and Environmental Sciences, Graduate School of Engineering and Science, Ryukyus University, Okinawa, Japan.

**Award record:**

- From 2015 to 2018: University of the Ryukyus - Vietnamese Government scholarship for best Doctoral student candidates.
- From 2008 to 2010: Japanese Kitano scholarship for best students, Vietnam.
- In 2010, Award for the Highest Academic at Graduation Ceremony of Hanoi Undergraduate student, Vietnam.
- In 2010, Award for the Highest Academic at Graduation Ceremony of Undergraduate student at Hanoi University Agriculture (HUA), Hanoi, Vietnam.
- From 2008 to 2010, Award for the Excellent Academic student at Hanoi University Agriculture (HUA), Vietnam.
- In 2012, Award for the Highest Academic at Graduation Ceremony of Master student at Vietnam National University of Agriculture (VNUA), Vietnam.
- From 2006 to 2010: HUA merit-based scholarship at Hanoi University of Agriculture (HUA), Vietnam.

**Direction of research in last 5 years:**

- Diversity, molecular phylogeny and taxonomy of black terrestrial cyanobacteria;
- Isolation bacteria in agriculture and environment;
- Biotechnology Application in Environmental Science;
- Optimizing Technology for Environment;
- The Isolation and Synthesis of Biological Compounds;
- Environmental Planning for Durable Development;
- Land Planning for urban and agricultural area;
- Research metal in agricultural soil and environmental protection opinion;
- Study aquatic environment for fishery and environmental solution.

**Experience in Education and Science Society**

- Member of Land Science Association Of VietNam;
- Member of Vietnam Union of Science and Technology Associations;
- Member of Japanese Society of Phycology;
- Member of Education program of Environmental Engineering Science from 2012 until now, VNUA;
- Member of 3 strong research team at VNUA;
- Member of ECS.

**Teaching course**

- General microorganism;
- Biotechnology for environmental pollution treatment;
- Specialized microorganisms;

## Publication

### *Books/ Text Book*

Nguyen Xuan Thanh, Vu Thi Xuan Huong, Dinh Hong Duyen, Nguyen The Binh, Nguyen Tu Diep, Nguyen Xuan Hoa, Phan Quoc Hung. (2014). Biotechnology for protection of the environment. Vietnam National University of Agriculture Press.

### *Papers*

- James Davis Reimer, Piera Biondi, Yee Wah Lau, Giovanni Diego Masucci, **Xuan Hoa Nguyen**, Maria E.A. Santos and Hin Boo Wee (2019). Marine biodiversity research in the Ryukyu Islands, Japan: current status and trends. PeerJ 7:e6532 <http://doi.org/10.7717/peerj.6532>.
- Philipus Uli Basa Hutabarat, **Xuan Hoa Nguyen**, Shoichiro Suda (2018). Black Band disease-related (BBD) cyanobacterium from Okinawan corals. Journal of Applied Phycology. Volume 30, Issue 6, pp 3197–3203.
- **Xuan Hoa Nguyen**, Shinpei Sumimoto, Shoichiro Suda (2017). Unexpect high diversity of terrestrial cyanobacteria from campus of the university of the Ryukyus. Microorganisms 2017, 5, 69; doi:10.3390/microorganisms5040069.
- Fukuoka Masayuki, **Xuan Hoa Nguyen**, Suzuki Hidekazu, Tanaka Jiro, Suda Shoichiro (2018). Phylogenetic position of aerophytic Cyanophyta/ Cyanobacteria, the genus *Porphyrosiphon* Kützinger ex Gomont (Oscillatoriales, Microcoleaceae) from Nakaoi Valley, Kochi Prefecture, Japan. The Japanese Journal of Phycology. March 10 2018.
- **Nguyen Xuan Hoa, Le Thi Thu Huong** (2020). Isolation, selection of cyanobacterial species containing capability of nitrogen fixing to produce biological fertilizer for rice production. Journal of Soil Science, 58.
- **Nguyen Xuan Hoa**, Luyen Huu Cu, Phan Trung Quy (2015). Study the actual situation of environmental management and environmental protection orientation in Hai Ha district, Quang Ninh province. Journal of Soil Science, 45, pp70-75.
- **Nguyen Xuan Hoa**, Nguyen Xuan Thanh, Luyen Huu Cu (2014). Assessment Environmental Quality of Aquaculture in Tien Hai District, Thai Binh Province. Journal of Soil Science, 43, pp72-76.
- **Dinh Hong Duyen, Nguyen The Binh, Nguyen Xuan Hoa** (2014), Current environmental status in Tien Yen District, Quang Ninh Province, Journal of Science an Development, Vol.12, No.1, pp32-42.
- Nguyen Xuan Thanh, Vu Thi Xuan Huong, Nguyen Ich Tan, Nguyen Tu Diep, **Nguyen Xuan Hoa** (2011). Results of research on waste-water quality from some craft villages in Hiep Hoa district, Bac Giang province. Journal of Soil Science, Vol. 37, pp43-48.
- Dinh Hong Duyen, **Nguyen Xuan Hoa**, Nguyen Xuan Thanh (2011). Research on cellulose degrading cellulosic micrographs used in agricultural waste byproducts, Journal of Agriculture and Rural Development, Vol. 4, pp17-22.

- Cao Truong Son, **Nguyen Xuan Hoa**, Tran Le Ha, Ho Thi Lam Tra (2011). Accumulation of metals (Cu, Pb, Cd, Zn) in agricultural soil is affected by the recycling village in Chau Khe town, Tu Son district, Bac Ninh province. *Journal of Soil Science*, Vol. 37 - 2011, pp76 - 79.

***Proceedings at international workshop/conference/seminar***

- **Nguyen Xuan Hoa**, Shoichiro Suda (2015). Taxonomy and molecular phylogeny of coral disease related cyanobacteria from Okinawa. ECS workshop. November 2015.
- **Nguyen Xuan Hoa**, Shinpei Sumimoto, Nguyen Thi Tra My, Shoichiro Suda (2016). Unexpected high diversity of cyanobacteria from campus of university of the Ryukyus. The Japanese Society of Phycology conference. March 2016.
- **Xuan Hoa Nguyen**, Shinpei Sumimoto, Nguyen Thi Tra My, Shoichiro Suda (2017). Terrestrial black filamentous cyanobacterium IRH12 isolated from Iriomote Island. The Japanese Society of Phycology conference. March 2017.
- Ishihara Oshiro, **Xuan Hoa Nguyen** (2018). Effective utilization of Okinawa microalgal strains. The Japanese Society of Phycology conference. March 2018.
- Handung Nuryro, **Xuan Hoa Nguyen** (2018). Polyphasic study of macroscopic colony-forming cyanobacteria from Okinawa coasts, related to bioactive secondary metabolite producers. The Japanese Society of Phycology conference. March 2018.
- Philipus Uli Basa Hutabarat, **Xuan Hoa Nguyen**, Shoichiro Suda (2016). Characterization of Black Band Disease (BBD) related Cyanobacteria from Okinawa. The Japanese Society of Phycology conference. March 2016.
- Philipus Uli Basa Hutabarat, **Xuan Hoa Nguyen**, Handung Nuryadi, Toshiyuki Teruya, Shoichiro Suda (2017). *Okeania* sp. from shore region of Kyan, Itoman, Okinawa (Cyanobacteria). The Japanese Society of Phycology conference. March 2017.
- Philipus Uli Basa Hutabarat, **Xuan Hoa Nguyen**, Shoichiro Suda (2017). Characterization of Black Band Disease (BBD) Cyanobacterium from Okinawan Area. The Asian Pacific Phycological Forum. Oct 2017.

**Research Project**

***Science and technology projects:***

- **Nguyen Xuan Hoa**, Dinh Hong Duyen, Nguyen Xuan Canh, Nguyen Tu Diep, Nguyen Thi Khanh Huyen (2019-2020). Isolation, selection of cyanobacterial species containing capability of nitrogen fixing to produce biological fertilizer for rice production. VNUA's technology project.
- Nguyen Xuan Thanh, Nguyen The Binh, **Nguyen Xuan Hoa** (2012-2013). Environmental planning of Tien Yen district - Quang Ninh province up to 2020, vision to 2030. Provincial science and technology projects.

- Nguyen Xuan Thanh, Nguyen The Binh, **Nguyen Xuan Hoa** (2012-2013). Environmental planning of Uong Bi city - Quang Ninh province to 2020, vision to 2030. Provincial science and technology projects.
- Nguyen Xuan Thanh, Phan Trung Quy, **Nguyen Xuan Hoa** (2012-2013). Environmental protection planning of Hai Ha city - Quang Ninh province up to 2020, vision to 2030. Provincial science and technology projects.
- Nguyen Xuan Thanh, Phan Trung Quy, **Nguyen Xuan Hoa** (2012-2013). Environmental planning of Mong Cai city - Quang Ninh province to 2020, vision to 2030. Provincial science and technology projects.
- Nguyen Xuan Thanh, **Nguyen Xuan Hoa** (2012-2013). Land planning of Hiep Hoa district - Bac Giang province to 2015, vision to 2020. District-level Science and technology projects.
- Nguyen Xuan Thanh, Vu Thi Xuan Huong, Nguyen Ich Tan, Nguyen Tu Diep, **Nguyen Xuan Hoa** (2010-2011). Application of waste treatment process, waste water village livestock breeding concentrated by biological methods in Hiep Hoa district, Bac Giang. Provincial-level science and technology projects.
- Nguyen Xuan Thanh, Vu Thi Xuan Huong, Nguyen Ich Tan, Nguyen Tu Diep, **Nguyen Xuan Hoa** (2010-2011). Assessment of the current situation of Hiep Hoa trade village environment in Bac Giang province. Provincial-level science and technology projects.
- Nguyen Xuan Thanh, **Nguyen Xuan Hoa** (2007-2008). Land planning of Hiep Hoa district - Bac Giang province to 2010, vision to 2015. District-level Science and technology projects.

#### ***Training Science and technology projects***

- **Nguyen Xuan Hoa**, Doan The Manh (2013). Study status of collection and treatment at garbage system of Vietnam National University of Agriculture. Training Science and technology projects.
- **Nguyen Xuan Hoa**, Dong Thi Tuyet Hanh, Nguyen Van Nam, Le Kieu Trang (2012). Study environmental status of Hai Ha city - Quang Ninh province. Training Science and technology projects.
- **Nguyen Xuan Hoa**, Dang Thi Lan, Vi Viet Kieu (2009). Study concentration of carbon dioxide (CO<sub>2</sub>) at Hanoi University of Agriculture. Training Science and technology projects.

*Vietnam, March 10 2020*

Dr. NGUYEN XUAN HOA