

QUYNH HOANG, Ph.D.

Department of Physical & Environmental Sciences
Texas A&M University-Corpus Christi
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EDUCATION & EXPERIENCE

Researcher, Vietnam Institute of Meteorology, Hydrology and Climate Change (2019)

Center for Environmental Research, Hanoi, Vietnam

Responsibilities: Participated in projects about environmental assessment and climate change

Ph.D. Environmental Science (2015-2018)

Graduate School of Environmental and Life Science, Okayama University, Japan

Dissertation: *Recycling Use of Organic Wastes for Sustainable Agriculture in Vietnam*

Research: Examined dynamics of applied N by using ¹⁵N labelling technique. Investigated production process, nutrient composition, and efficacy of so-called organic fertilizers in Vietnam. Demonstrated an on-farm composting of coffee pulp.

Advisor: Prof. SHIMA Kazuto

Concentration: Environmental soil science

Minor: Green innovation, international development, and environmental issues

Researcher, Vietnam Institute of Meteorology, Hydrology and Climate Change (2013-2015)

Vietnam-Korea Center for Environmental Research and Training, Hanoi, Vietnam

Responsibilities: Laboratory technician. Developed training courses on climate change and green growth for governmental officials. Wrote research grants.

M.S. Environmental Science (2010-2013)

Graduate School of Environmental Science, Okayama University, Japan

Thesis: Utilization of composts using municipal solid waste and sewage sludge as feedstocks

Engineer, Canon Vietnam Co., Ltd. (2010)

Thang Long factory, Hanoi, Vietnam

Responsibilities: Environmental compliance

B.S. Environmental Management (2006-2010) GPA : 3.34

Faculty of Environmental Science, Vietnam National University, Hanoi – College of Science

Concentration: Environmental management

INTERNSHIPS

2018/5 – 2018/6: Shikharapur Community Learning Center, Kathmandu, Nepal

2016/11 – 2016/12: Hope Land Vietnam Co., Ltd, Lam Dong province, Vietnam

SKILLS

- Mentoring students
- Informal education
- Data analysis and manuscript writing
- Planning and carry out field work
- Preparation, processing, and analysis of samples collected
 - ❖ UV-Vis Spectrophotometer
 - ❖ Atomic Absorption Spectroscopy (AAS)
 - ❖ Carbon Nitrogen Analyzer

RESEARCH INTERESTS

- N transformation in ecosystem
- GHG emissions
- Waste treatment and recycling
- Environmental restoration
- Plastics in the environment

RESEARCH GRANTS

2016 – 2018: Establish Recycling System of Coffee Pulp to Protect the Soil Environment in Central Highland, Vietnam. *Research Grant for Encouragement of Students, Okayama University*

AWARDS AND HONOURS

2018: Poster Award for Excellent Research Presentation. International Symposium on Environmental and Life Science. Okayama, Japan. January 23

2017: Best Presentation Award. 7th International Conference on Environmental and Agriculture Engineering (ICEAE 2017). Bangkok, Thailand. August 28-30

JOURNAL PAPERS

5. **Quynh Hoang Thi**, Mishio Morita, Kazuto Shima. Evaluation of On-farm Composting of Coffee Pulp Using Wood Chips and Air Flow. *Journal of Biobased Materials and Bioenergy*, Volume 14, Number 3, June 2020, pp. 408-413(6)
4. **Hoang Thi Quynh**, Shima Kazuto (2018). Title “Organic Fertilizers” in Vietnam’s Markets: Nutrient Composition and Efficacy of Their Application. *Sustainability*, Vol. 10, No. 7, 24-37.
3. **Hoang Thi Quynh**, Shima Kazuto, and Nguyen Thanh Binh (2018). Evaluation of Composted Municipal Solid Waste for Agricultural Use in Vietnam. *Journal of Advanced Agricultural Technologies*, Vol. 5, No. 1, 14-18, March 2018.

2. Nguyen Thanh Binh, **Hoang Thi Quynh**, and Shima Kazuto (2015). Effect of Composts Combined with Chemical N Fertilizer on Nitrogen Uptake by Italian Ryegrass and N Transformation in Soil. *Journal of Agricultural Chemistry and Environment*, 4, 37-47.
1. Nguyen Thanh Binh, **Hoang Thi Quynh**, Syoko Oshiro, Kazuto Shima (2015). Evaluation of Sewage Sludge Compost Quality through Maturity Index and Biomass Yield of Italian Ryegrass (*Lolium multiflorum L.*). *Science & Technology Development Journal*, Vol.18, No. K3, 54-88

CONFERENCES

8. **Hoang Thi Quynh**, Morita Mishio, Shima Kazuto. Rapid On-farm Composting of Coffee By-products and its Utilization as a Fertilizer. International Symposium on Environmental and Life Science. Okayama, Japan. January 28, 2019
7. **Hoang Thi Quynh**, Shima Kazuto. "Organic Fertilizers" in Vietnam's Markets: Nutrient Composition and Efficacy in a Conventional Soil-based Planting System. BONARES Conference 2018 – Soil as a Sustainable Resource. Berlin, Germany. February 26-28, 2018
6. **Hoang Thi Quynh**, Shima Kazuto. Establishment of Recycling System of Coffee Pulp to Protect the Soil Environment in Central Highland, Vietnam. International Symposium on Environmental and Life Science. Okayama, Japan. January 23, 2018
5. **Hoang Thi Quynh**, Shima Kazuto, Nguyen Thanh Binh. Evaluation of Composted Municipal Solid Waste for Agricultural Use in Vietnam. The 7th International Conference on Environmental and Agriculture Engineering. Bangkok, Thailand. August 28-30, 2017
4. **Hoang Thi Quynh**, Shima Kazuto. Nutrient Contents and Quality of "Organic Fertilizer" of Domestic Products in Vietnam. The 112th Annual Meeting of the Japanese Society of Soil Science and Plant Nutrition, Kansai Branch. Kyoto, Japan. December 8-9, 2016
3. Shima Kazuto, Nguyen Thanh Binh, **Hoang Thi Quynh**, Hayashi Yu. The Effects of Land-use Change for Rubber Plantation on Physical-Chemical Properties of Surface Soil in Central Vietnam. Japan-Vietnam Research Workshop on Sustainable Society Development in Asian Countries Tackling Climate Changes. Ho Chi Minh City, Vietnam. November 2-3, 2015
2. Nguyen Thanh Binh, **Hoang Thi Quynh**, and Shima Kazuto. Effect of Composts Combined with Chemical N Fertilizer on N Uptake by Italian Ryegrass and N Transformation in Soil. Japan-Vietnam Research Workshop on Sustainable Society Development in Asian Countries Tackling Climate Changes. Ho Chi Minh City, Vietnam. November 2-3, 2015
1. Tran Duc Thien, Luong Huu Dung, **Hoang Thi Quynh**, and Hoang Minh Tuyen (2014). The Changes of Red River Topography and Flow Rate Distribution from the Red River to Duong River. The Proceedings of the National Conference on Meteorology, Hydrology, Environment, and Climate Change. Hanoi, Vietnam. ISBN: 978-604-904-248-5

NEWSLETTER

1. **Hoang Quynh** (2014). Thailand's Experience in the Greening Industry. *Environment Administration Magazine* ISSN: 1859-042X: 60-61

PARTICIPATED PROJECTS AND TRAINING MATERIALS

6. Assess the applicability of environmental forecasting methods in Vietnam (2019)
5. Restoration of natural landscape after large-scale illegal dumping of industrial waste in Teshima island, Japan (2015-2018)
4. Effect of land use change for rubber plantation on soil properties in Central Vietnam (2014-2017)
3. Master's Degree Curriculum in Climate Change and Sustainable Development for Hanoi University of Natural Resources and Environment. In cooperation with Prof. Park Tea Yoon – Yonsei University, Korea (2013-2016)
2. Capacity Building Program on Response to Climate Change for Officers of Vietnam Ministry of Trade and Industry (2013-2015)
1. The Vietnamese version of Low Carbon Green Growth Roadmap for Asia and the Pacific, A Summary for Policymakers (2014)

SPECIAL TRAINING

2014/8: Introductory e-Course on Climate Change. United Nations Institute for Training and Research (UNITAR)

2013/10: Training course on Integrated Flood Management with a Focus on the Coastal Zone of Vietnam. World Meteorological Organization (WMO) and Vietnam Institute of Meteorology, Hydrology and Climate Change (IMHEN)

2013/8 – 2013/10: E-course on the Fundamentals of Growth Green Policies. The Economic and Social Commission for Asia and the Pacific (UNESCAP)

2013/7: Training course on Climate Change and Policymaking for Senior Managers: Singapore's Experience. Ministry of Foreign Affairs, Singapore

2010/5: Training course on Requirements of Environmental Management System & Internal Auditor according to International Standards ISO 14001:2004. ECO consulting Co Ltd, Vietnam

2009/3: Training course on Environmental Policy Analysis Methodology. PanNature-People and Nature Reconciliation, Vietnam

LANGUAGES STUDIED

English and Japanese (N2)

PROFESSIONAL MEMBERSHIP

Japanese Society of Soil Science and Plant Nutrition (2016-2019)