

## SCIENTIFIC CURRICULUM VITAE

### 1. Personal details

Full name	Nong Huu Duong	Birth date	18/12/1982
Academic title	Ph.D	Sex	Male
Administrative position		ID Number	76
Department	Department of Agroecology , Faculty of Natural Resources and Environment (FONRE)		
Institution	Vietnam National University of Agriculture (VNUA)		
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### 2. Qualifications

No.	Years	Academic Institution	Major/specialty	Academic degree
1	2015	University of Hawaii at Manoa, USA	Natural Resources and Environmental Management	Doctor of philosophy
2	2008	Asian Institute of Technology, Bang Kok, Thailand	Natural Resources Management	Master of science
3	2004	Vietnam Forestry University, Vietnam	Social forestry	Bachelor of science

### 3. Professional experience

No.	Years	Institution	Address	Position
1	6/2016 - present	Vietnam National University of Agriculture	Trâu Quy - Gia Lâm - Hà Nội - Việt Nam	Lecturer
2	7/2014 – 10/2015	East-West Center	Honolulu - Hawaii - USA	Researcher
3	9/2004 – 6/2016	Vietnam National University of Agriculture	Trâu Quy - Gia Lâm - Hà Nội - Việt Nam	Researcher

### 4. Language (Rating: A-Poor/deficient; B - Fair; C – Sufficient; D – Fluent)

Language	Reading	Writing	Speaking	Certificate/degree
English	C	C	C	

### 5. Expertise and research interests

#### 5.1 Main research orientation

- Land cover and land use change
- Forest resources management
- GIS and Remote Sensing in Environment
- Environment and Urbanization
- Landscape analysis

5.2 List of research projects

No.	Project name	Funding agency & amount	Project duration	Position in the project
1	Developing an agent-based model for simulating the spatial distribution of waste from pig farming	The National Foundation for Science and Technology Development (NAFOSTED) of Vietnam	2019-2021	Secretary
2	Research on solutions to develop smart agriculture models adapted to climate change (CSA) in the coastal area of the Red River Delta	Vietnam Ministry of Science and Technology	2019-2020	Secretary
3	Assess the current situation and propose solutions to develop sustainable agriculture and increase added value in the Central Highlands	Vietnam Ministry of Science and Technology	2018-2019	Researcher
4	The Agrarian Transition in Mainland Southeast Asia: Changes in rice farming 1995 – 2018	The National Aeronautics and Space Administration (NASA)	2018-2021	Regional counterpart
5	GIS data development for renewable energy mapping	World Bank	2016-2017	Field coordinator
6	Coupled Natural-Human Systems and Emerging Infectious Diseases: Anthropogenic environmental change and avian influenza in Vietnam.	National Science Foundation - USA	2010-2014	Researcher
7	Training Of Trainers in Environmental Planning And Management (TOTEPAM)	Danish international development agency (DANIDA)	2008-2011	Researcher
8	University Support for Environmental Planning and Management in Vietnam, Cambodia, and Lao PDR (USEPAM)	Danish international development agency (DANIDA)	2004-2006	Researcher

5.3 Publications and accomplishments

No.	Authors	Year	Title of papers/book	Name of publishers/ No.Vol, page	ISSN/ ISBN	IF	Notes
1	Article (s) in ISI-covered journal						
1.1	Duong H. Nong, Jefferson M. Fox, Sumeet Saksena, Christopher A. Lepczyk	2021	The Use of Spatial Metrics and Population Data in Mapping the Rural-Urban Transition and Exploring Models of Urban Growth in Hanoi, Vietnam	Environment And Urbanization ASIA	0975-4253	2.42	

1.2	Duong H. Nong, An T. Ngo, Hoa P. T. Nguyen, Thuy T. Nguyen, Lan T. Nguyen and Summet Saksena	2021	Changes in Coastal Agricultural Land Use in Response to Climate Change: An Assessment Using Satellite Remote Sensing and Household Survey Data in Tien Hai District, Thai Binh Province, Vietnam	Land	2073-445X	1.56	
1.3	Nong Huu Duong, Christopher A. Lepczyk, Tomoaki Miura, Jefferson M. Fox	2018	Quantifying urban growth patterns in Hanoi using landscape expansion modes and time series spatial metrics	PloS one	1932-6203	2.87	
1.4	Kaspar Hurni, Annemarie Schneider, Andreas Heinemann, Duong H. Nong and Jefferson Fox	2017	Mapping the Expansion of Boom Crops in Mainland Southeast Asia Using Dense Time Stacks of Landsat Data	Remote Sensing	2072-4292	4.58	
1.5	Sumeet Saksena, Jefferson Fox, Michael Epprecht, Chinh C. Tran, Nong Huu Duong, James H. Spencer, Lam Nguyen, Melissa L. Finucane, Vien D. Tran, Bruce A. Wilcox	2015	Evidence for the Convergence Model: The Emergence of Highly Pathogenic Avian Influenza (H5N1) in Viet Nam	PloS one	1932-6203	2.87	
1.6	Nong Huu Duong, Jefferson Fox, Tomoaki Miura and Sumeet Saksena	2015	Built-up Area Change Analysis in Hanoi Using Support Vector Machine Classification of Landsat Multi-Temporal Image Stacks and Population Data	Land	2073-445X	2.17	

1.7	Castrence, Miguel., Nong, Duong, Tran, Chinh, Young, L., Fox, J.	2014	Mapping Urban Transitions Using Multi-Temporal Landsat and DMSP-OLS Night-Time Lights Imagery of the Red River Delta in Vietnam	Land	2073-445X	2.17	
2	Article in other international Journal						
2.1	Sumeet Saksena, Nong Huu Duong, Melissa Finucane, James H. Spencer, Chinh C. Tran, and Jefferson	2017	Does Unplanned Urbanization Pose a Disease Risk in Asia?: The Case of Avian Influenza in Vietnam	Asia Pacific Issues	1522-0966	0.3	
2.2							
3	National/International Conference(s)						
3.1	Nông Hữu Dương, Ngô Thế Ân	7-8/11/2020	Phân tích biến động sử dụng đất nông nghiệp huyện Tiền Hải, tỉnh Thái Bình giai đoạn 2005 - 2020 và đề xuất sử dụng đất thích ứng với biến đổi khí hậu.	Hội thảo Quốc gia “Biến đổi khí hậu và quản lý bền vững môi trường nông nghiệp”	Hà Nội, Việt Nam		
3.2	Nông Hữu Dương, Nguyễn Thu Thùy, Phạm Văn Hội	7-8/11/2020	Hiện trạng hệ thống nông lâm kết hợp tổng thể vùng Tây Nguyên	Hội thảo Khoa học cấp Học viện. Học viện Nông nghiệp Việt Nam	Hà Nội, Việt Nam		
3.3	Nguyễn Thị Thu Hà, Nông Hữu Dương	16-17/7/2019	Bê tông hóa nông thôn và sự suy giảm dịch vụ sinh thái	Hội thảo Tổng kết 10 thực hiện chương trình xây dựng nông thôn mới	Nam Định, Việt Nam		
3.4	Ngo The An, Ngo Phuong Lan, Vo Huu Cong, Nong Huu Duong, Nguyen Thi Huong Giang	29-30/11/2019	Environmental Pressure from Pig Farming to Surface Water Quality Management in Yen Dung District Bac Giang Province	Hội thảo KH-CN Quốc Gia 2019	Việt Nam		
3.5	Ngô Thế Ân, Nông Hữu Dương	28/12/2017	Ứng dụng viễn thám nghiên cứu thực trạng cây xanh Thành phố Hà Nội	Hội thảo KH chuyên đề, Khoa Môi trường, HVNN	Hà Nội, Việt Nam		

3.6	Duong H. Nong, Christopher A. Lepczyk, Tomoaki Miura, Jefferson M. Fox	21-26/11/2017	Quantifying urban growth patterns in Hanoi using landscape expansion indices and time series spatial metrics	International Conference on Earth Observations & Natural Hazards 2017	Hà Nội, Việt Nam		
3.7	Nong Huu Duong, Miguel Castrence	9-13/11/2013	Characterizing Urban Growth in the Red River Delta of Vietnam using Remote Sensing and Landscape Metrics	Association of American Geographers Annual Meeting	LA, USA		
3.8	Nong Huu Duong, Miguel Castrence	8-9/11/2012	Monitoring Urban Growth in Vietnam with Remote Sensing: Combining Multi-temporal Night-time Lights with Vegetation Indices	Engaging with Vietnam - An Interdisciplinary Dialogue" Conference	HI, USA		
4	Article(s) in national scientific journal						
4.1	Ngô Thế Ân, Ngô Phương Lan, Võ Hữu Công, Nông Hữu Dương, Nguyễn Thị Hương Giang	2020	Environmental Pressure from Pig Farming to Surface Water Quality Management in Yen Dung District Bac Giang Province	Tạp Chí Khoa Học Trái Đất Và Môi Trường, ĐHQGHN	2588-1094		
4.2	Phạm Tiến Đạt, Trần Trung Kiên, Nông Hữu Dương, Trần Đức Viên, Nguyễn Thanh Lâm, Võ Hữu Công	2009	Application of Geographical Information System and Remote Sensing for Forest Land-use Planning in Ca River Basin, Nghe An Province	Tạp chí Khoa học và Phát triển	1859-0004		
4.3	Nguyen The Phuong, Nong Huu Duong	2004	The Role of Non-Timber Forest Products (NTFPs) in Livelihood Strategies and Household Economies in a Remote Upland Village in the Upper Ca River Basin, Nghe An, Vietnam	Journal of Science and Development - Hanoi University of Agriculture	1859-0004		
5	Text book, lecture notes (published)						
5.1	Nguyen Thanh Lam, Nong Huu Duong	2017	Chapter 9: Home Gardens in the Composite Swiddening Farming	Elsevier - Ecosystem Management	Paperback ISBN:		

			System of the Da Bac Tay Ethnic Minority in Vietnam's Northern Mountain Region		97801 28054 536		
5.2	Stephen J. Leisz, Nguyen Thi Thu Ha, Vo Huu Cong, Tran Nguyen Bang, and Nong Huu Duong	2009	Does composite swiddening cause deforestation?: Evidence from analysis of land cover change in Tat hamlet from 1952 to 2003. Page 284-304. Chapter 16 in Farming with Fire and Water: The Human Ecology of a Composite Swiddening Community in Vietnam's Northern Mountains	Kyoto University Press	978-1920901295		
6	Others (Monographs, patents, scientific awards,..)						

Vietnam National University of Agriculture

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Nong Huu Duong