

TRAN NGUYEN BANG

M.Sc. (The University of Melbourne - Australia.)

Lecturer/Researcher

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Personal detail

Date of birth 01/05/1982

Nationality Vietnamese

Employment Lecturer / Researcher

Field of Environmental Modelling, Applied science of GIS, Remote Sensing

Specialization

Languages Vietnamese, English

Academic background

- **2003:** Bachelor of Land Management at Hanoi University of Agriculture, Vietnam.
- **2010:** Master of Applied science of Geographic Information System (GIS) at University of Melbourne, Australia.

Working experience

- 2003 - present: Researcher at Center for Agricultural Research and Ecological Studies (CARES)
- 2012 - present: Lecturer at Department of Environmental Management, Faculty of Natural resources and Environment, Vietnam National University of Agriculture (VNUA)

Direction of research in last 5 years

- Land use change in the Northern Mountainous Region (NMR) of Vietnam
- Application of GIS and Remote Sensing to investigate land cover change.
- Impacts of government policies on natural resources management.
- Spatial Analysis and Environmental Modeling.

Project experience

- *Composite Swiddening Agricultural Research*
 - **Project period:** 2000-2006
 - **Funded by:** FORD Foundation, USA
- *University Support to Environmental Planning and Management in Cambodia, Laos, and Vietnam - (USEPAM)*
 - **Project period:** 2003-2007
 - **Funded by:** DANIDA
- *Comparative production effectiveness of main farm types in Dac Lak Province*
 - **Project period:** 2004
 - **Funded by:** Provincial level project
- *Improving Trans-border Watershed Management and Planning in Laos and Vietnam*
 - **Project period:** 2004-2008
 - **Funded by:** Rockefeller Foundation, USA

- *Vietnam Upland Forum – VUF*
 - **Project period:** 2005-2007
 - **Funded by:** FORD Foundation, USA VUF
- *Building a Pilot Environmental Information System (EIS) for Nghe An province*
 - **Project period:** 2006-2007
 - **Funded by:** Rockefeller Foundation, USA.
- *Coupled natural-human systems and emerging infectious disease: anthropogenic environmental change and avian influenza in Vietnam*
 - **Project period:** 2009-2013
 - **Funded by:** East West Center, USA EWC/CNHS
- *Impacts of Reducing Emissions from Deforestation and Forest Degradation and Enhancing Carbon Stocks (I-REDD+)*
 - **Project period:** 2011-2014
 - **Funded by:** EU Ministry of Education and Training - MOET
- *Biodiversity Project for Haiduong province*
 - **Project period:** 2012
 - **Funded by:** Provincial level project
- **TRIG**
 - **Project period:** 2012
 - **Funded by:** Ministry of Education and Training – MOET
- *Environmental Modeling textbook publication*
 - **Project period:** 2012
 - **Funded by:** Ministry of Education and Training – MOET

Selected publication

TT	Title	Year	Publisher
Scientific journals			
1	Evaluation of Spectral Indices for Assessing Fire Severity in Australian Temperate Forests	2018	<i>Remote Sens.</i> 2018, 10(11), 1680; https://doi.org/10.3390/rs10111680
2	Case study: Huong Khe district, Ha Tinh province, Viet Nam. Characterising agro-ecological zones with local knowledge.	2015	Working Paper 201. Hanoi, Viet Nam. World Agroforestry Centre (ICRAF) - Vietnam. DOI: 10.5716/ WP15050.PDF
3	Characterizing Agro-Forestry systems in Diem hamlet, Chau Khe commune, Con Cuong district, Nghe An province	2015	J. Sci. & Devel. 2015, Vol. 13, No. 4: 586-597
4	Climate change adaptation in agricultural systems of Giao Thuy district: An analysis	2014	Science and Technology Journal of Agricultural and Rural Development. Ministry of Agriculture

	from GIS-based modeling and participatory approach.		and Rural Development, Vietnam.
5	Community Monitoring of Carbon Stocks for REDD+: Does Accuracy and Cost Change over Time?	2014	Forests (5): 1834-1854
6	Community Monitoring for REDD+: International Promises and Field Realities.	2013	Ecology and Society 18(3): 41
7	Comparing Production Efficiency of three groups of Ethnic Minority Households in DakLak Province	2005	The Magazine of Science and Technology of Hanoi Agricultural University
Book chapters			
8	Giáo trình Mô hình hóa trong quản lý môi trường	2015	Nhà xuất bản Giáo dục Việt Nam
9	Does composite swiddening cause deforestation?: Evidence from analysis of land cover change in Tat hamlet from 1952 to 2003	2009	Part IV, Section 16, Farming with Fire and Water, The Human Ecology of a Composite Swiddening Community in Vietnam's Northern Mountains, Kyoto University Press.
10	Does composite swiddening cause deforestation?: Evidence from analysis of land cover change in Tat hamlet from 1952 to 2003	2008	Chapter 19, Composite “Swidden Cultivation: An Overview”. Agricultural Publishing House, Hanoi.
Conference proceeding papers			
11	Climate change adaptation in agricultural systems of Giao Thuy district: An analysis from GIS-based modeling and participatory approach	2014	The 8th Asian Crop Science Association Conference: “Sustainable Crop Production in response to Global Climate Change and Food Security
12	An investigation of agricultural land change over time in Bao Thang commune, Ky Son district, Nghe An province, Vietnam	2007	Proceeding of Regional Conference on Environmental Planning and Management Issues in Southeast Asian Countries, Hanoi -Vietnam.
13	Environmental Management System in the Thachin River , Bangkok, Thailand”. A case study in Ban Don Wai region, Thailand.	2006	Proceeding of Regional workshop on “Introduction to Environmental Management and Regulation in Thailand: Cleaner Production or End – of – Pipe Solutions?” – Mahidol University, Bangkok, Thailand.

14	The land cover changes overtime and natural resource management issues in Mau Duc Commune, Con Cuong District, Nghe An Province	2005	Regional USEPAM Workshop proceeding.
15	A look at land uses map and statistic in the upper Ca River Basin: Using Multi - Year Landsat Data to better analyzed land use	2005	Regional USEPAM Workshop proceeding.
16	Farming system, natural resource management, and social organizations under land allocation program: A case study on a Thai Ethnic minority in Can hamlet, Tam Thai commune, Tuong Duong district of the Ca river basin	2003	Second regional USEPAM Workshop proceeding.