

CURRICULUM VITAE

PHUNG VAN KHOA

Assoc. Professor of Forestry



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PROFESSIONAL INTERESTS

Environmental management.

EDUCATION / DEGREES

Forestry Engineering (B.Sc): Vietnam National University of Forestry, 1990-1995

Forestry Engineering (M.Sc): Vietnam National University of Forestry, 1995-1997

PhD in Earth Sciences (Ph.D): Colorado State University, USA, 2003-2006

WORKING EXPERIENCE

1997-2002: Lecturer at Forestry University of Vietnam

2003-2006: Doing a PhD Program at Colorado State University, USA

2007- 2009: Lecturer and Researcher, Head of the Department of Environmental Management, Vietnam Forestry University.

2009-2013: Deputy Dean of the Postgraduate Studies Faculty, Vietnam Forestry University.

From 1/2014: Dean of the Faculty of Forest Resources and Environment Management, Forestry University of Vietnam.

TEACHING EXPERIENCE

Undergraduate Courses: Geospatial Technology, Watershed Management, Forest/land Use Hydrology;

Master Courses: Forest Carbon Sequestration and Climate Change Responses, Watershed Management.

Ph.D Courses:

REPRESENTATIVE GRANTS

TT	Project title	Role	Sponsor	Duration
1	Research on the impacts of the forest (natural forest and plantation forest) on the stream flow and water balance in two sub-watersheds in the central and northern regions of Vietnam.	Principle investigator	Ministry of Agriculture and Rural Development	1/2011-12/2014
2	Research on sustainable protection forest management policy in the context of climate change in Vietnam.	Principle investigator	Ministry of Agriculture and Rural Development	1/2012-12/2013
3	“Research on Integrating Community-based Participatory Carbon Measurement and Monitoring with Satellite Remote Sensing and GIS in a Measurement, Reporting and Verification (MRV) System for Reducing Emissions from Deforestation and Forest Degradation – Plus (REDD+) and Agroforestry Carbon Sequestration Activities.”	Principle investigator	Sumernet Stockholm Environment Institute – Asia Centre (SEI Asia)	July 2011 – December, 2012
4	Stimulating coordination among forest related agencies in Vietnam (e.g. MARD and MONRE).	National FORMIS Consultant	Tapio Director of FORMIS in	8/2011-11/2011
5	Developing the R-Coefficient for BDS of REDD+ in Vietnam	National UN-REDD Consultant	Pham Minh Thoa Director of UN-REDD Office, Vietnam	5/2011-10/2011
6	National Consultant – facilitator / socio-economic analysis for national REDD+ MRV system and information system for guidance and safeguards	National UN-REDD Consultant	Akiko Inoguchi Programme Officer - Forestry FAO	3/2011-5/2011
7	Developing an MRV system for REDD+: Scaling up from project level to a national level REDD+ MRV systems for Laos and Vietnam (EBLU2010-04NMY(C)-Skole)	Co-team leader (for Vietnam)	Dr. DAVID L. SKOLE Department of Forestry Global Observatory for Ecosystem Services	2010-2012
8	Research on indoor air pollution reduction capacity of indigenous forest species for Hanoi Capital.	Research Project Principal from 1/2010-7/2010 and	Department of Science and Technology, Hanoi Capital, Vietnam.	2010-2012

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		now is a research member (transferred the project principal position for other researcher)		
9	Establishing an M&E system for Forest Environmental Services Payment in Son La Province	Project Principal	GTZ Office Hanoi	7-10/2010
10	<p>Evaluation of the 5 million hectares Forest Project in Vietnam funded from different sources national government, several countries donor organisations, multilateral institutions.</p> <p>The evaluation included all the stages as Inception, Field and Synthesis phases. It included:</p> <ul style="list-style-type: none"> - development of evaluation method and criteria - data collection and documentary analysis; - interviews with the local authorities, management bodies and project stakeholders - field visits; - findings, inclusive the statistical analysis and models; - conclusions, recommendations and lessons learned <p>The evaluation included the assessment on needs in terms of capacity building of the corresponding local authorities and management units. Specific emphasis was made on the need of training in natural resources management training and investment and financing possibilities for biodiversity conservation and protected areas.</p>	Team Member	General Directorate of Forestry, Ministry of Agriculture and Rural Development	2010
11	<p>Research on selecting and cultivating some high value forest vegetable species for Lao Cai and Dien Bien Provinces, Vietnam – funded by Danida.</p> <ul style="list-style-type: none"> - Making the research proposal - Development research methodology - Organize expert workshops to find the best way to conduct the research and choose the ost appropriate criteria to select high value 	Project Principal Investigator	The Upland Likelihood Program, ARD SPS 2007-2012,	2009-5/2010

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	<p>orest vegetable species.</p> <ul style="list-style-type: none"> - Organize the field surveys in two provinces - Interviews with the local authorities and farmers - Conduct the field inventories to find high alue forest vegetable species - Select the most appropriate vegetable species to plant at local household scale - Establish experimental studies to find the best condition for the selected species - Make a guide for cultivating the selected vegetable species. 			
12	<p>Participated in conducting the project's forest plantation implementation, being responsible for the international communication of the project.</p>	<p>Member, Deputy Director of the Forest Development Fund,</p>	<p>AR-CDM Project, Cao Phong District, Hoa Binh Province, Vietnam</p>	<p>2007-8/2012</p>
13	<p>Teaching and conducting research project related to Climate Change and REDD+, Geospatial technology, Applied Hydrology, Forest Hydrology and Watershed Management, Biodiversity conservation and forest development in Vietnam.</p> <ul style="list-style-type: none"> - Teaching university subject named "Applied Hydrology in Forestry", 2 credits for postgraduate levels; "GIS and Remote Sensing Application in Forestry", 2 credits for both graduate and undergraduate levels; "Environmental Hydrology", 2 credits for undergraduate level; "Environmental Statistics", 2 credits for undergraduate level; "Watershed Management", 2 credits for both graduate and undergraduate levels; "Scientific Research Methods", 2 credits for graduate level. - Participating in conducting some research projects, for example "Study on the Effects of Forest Land Allocation on Forest Land Management in Nghe An and Gia Lai, FPD-MARD, 10-11/2008". 	<p>Researcher, Instructor.</p>	<p>Forestry University of Vietnam</p>	<p>2006-2010</p>
14	<p>Riparian Forest Restoration Measures for Some Critical Areas of Cau River Basin, Vietnam.</p> <ul style="list-style-type: none"> - Conducting field survey and inventory to characterize the current condition and the forest cover situation in riparian zones along Cau river of Vietnam 	<p>Principal Investigator</p>	<p>Agency of Cultural Affairs, Government of Japan</p>	<p>2008-2012</p>

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	<ul style="list-style-type: none"> - Interviews with the local authorities, management bodies and project stakeholders - Finding out the most critical areas (i.e., the areas without riparian forest/vegetation and being eroded seriously) - Propose most appropriate methods to restore the riparian forest along Cau river of Vietnam 			
15	<p>Reviewing the Forestry Development Strategy in Vietnam.</p> <ul style="list-style-type: none"> - I was one of the 3 national experts to review the forestry development strategy in Vietnam for the period from 2006-2009. The review was conducted intensively in 3 months from 7/2009-10/2009 	Member	General Directorate of Forestry, Ministry of Agriculture and Rural Development	2009
16	<p>Integrating the climate change adaptation in comprehensive planning for the coastal zone of Ca Mau Province, Vietnam. German Cooperation. KfW.</p> <ul style="list-style-type: none"> - 2 weeks consultancy for making a proposal of establishing a project funded by German Cooperation for Ca Mau province. - Interviewing/Meeting with local authorities and farmers - Field visits and surveys - Participating in a professional workshop to make the final proposal (by negotiating with the local authorities). 	Member	GTZ Office Hanoi	2009
17	<p>Co-teacher, teaching in English two hydrology courses conducted by Professor Lee MacDonald (USA) at Vietnam Forestry University of Hydrologic Processes and Effects of Land Use and Field Measurements in Hydrology (certification included)</p>	Co-teacher	Vietnam Forestry University and VEF	2-6/2009
18	<p>Draft of Biodiversity Law of Vietnam.</p> <ul style="list-style-type: none"> - Participate in the series workshops to make the technical base for the Law. 	Participant	Vietnam Environment Administration, Ministry of Natural Resources and Environment	2008-2009
19	<p>Monitoring and evaluation of the AR-C Project, Cao Phong district, Hoa Binh</p>	Member	Ministry of Agriculture	2007-2009

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	<p>province, Vietnam. The evaluation included all the stages as Inception, Field and Synthesis phases. It included:</p> <ul style="list-style-type: none"> - Select evaluation method and criteria - Interviews with the local authorities and management bodies and private stakeholders - Field survey and inventories and analysis; - Make the annual reports including recommendations and propose solutions. <p>The evaluation included the assessment of needs in terms of capacity building of the corresponding local authorities and management units. Specific emphasis was made on the need of training in natural resources management training and investment and financing possibilities for supporting biodiversity conservation.</p>		and Rural Development	
20	<p>Development of the Asia-Link program, funded by EuropeAid.</p> <ul style="list-style-type: none"> - Study the FLEG process and EU FLEGT Action Plan. - Participated in series of workshops to discuss and develop the regional curriculum for teaching Non timber forest products for Laos, Cambodia, and Vietnam. - Participated in conducting the Training Need Assessment for NTFP for Laos, Cambodia, and Vietnam 	Member	European Commission	2007-2009
21	<p>Ngoc Son-Ngo Luong Nature Reserve Project, FFI & FPD, Hoa Binh province, 2007-2008.</p> <ul style="list-style-type: none"> - Team leader to conduct the flora inventories and to make appropriate maps of existing high values species/forest for the nature reserve. 	GIS and Biodiversity Expert	FFI Vietnam	2007-2008
22	<p>Preparation of Action Plan for Environmental Protection for Va and Mu Cang Chai districts, Yen B province, Shares Project.</p> <ul style="list-style-type: none"> - Evaluate the first period of the project - Conduct a TNA for capacity building activities - Make recommendation for next period - Make a detailed action plan for 	Project Principal	Shares Project, Ministry of Investment and Planning	8-2/2008

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	Environmental Protection			
23	<p>A member participating in “Study on the Effects of Forest Land Allocation on Forest Land Management in Nghe An and Gia Lai”.</p> <ul style="list-style-type: none"> - Going to the field and interviewing with local authorities and farmers - Collecting related information and data - Evaluating the Effects of Forest Land Allocation on Forest Land Management in the 2 provinces - Making recommendation for better management of the forest land. 	Member	General Directorate of Forestry, Ministry of Agriculture and Rural Development	10-11/2008
24	<p>High Conservation Value Forest Assessment, Quang Tri and Gia Lai, World Wide Fund for Nature.</p> <ul style="list-style-type: none"> - Studying the FSC’ procedures - Conducting forest surveys and inventories - Interviewing with local authorities and farmers - Evaluating the forest value and choosing the High Conservation Value Forest - Demarcating the boundary of the High Conservation Value Forest - Making the final reports and recommendation. 	GIS and Biodiversity Expert	General Directorate of Forestry, Ministry of Agriculture and Rural Development	7-8/2008
25	Environmental impacts of the beetles on forest and water quality, Colorado, USA	Member	Colorado State University, USA	2006-2007
26	<p>Monitoring the Effectiveness and Validating Response to the Road Related Mitigation Practices Implemented on the Pike’s Peak Highway, Colorado, USA.</p> <ul style="list-style-type: none"> - Collecting the sediment using sediment fences and traps - Data analysis and making conclusion about the effectiveness of the mitigation practices inthe protected areas. 	Member	Colorado State University, Lee H. MacDonald, Professor, Watershed Science Program, Dept. of Forest, Rangeland, and Watershed Stewardship, Fort Collins	05-09/2005
27	Willow Persistence in Yellowstone National Park: Interacting effects of Hydrology and Herbivory (Danielle Bilyeu, Francis Singer, David J. Cooper, and N. Thompson Hobbs), Colorado, USA.	Member	Colorado State University, USA	06/2003-8/2003

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	- Finding the relationship of the willow growth with hydrology regime and herbivory impacts in the protected areas.			
28	PhD degree and research on Forest Hydrology and Watershed Management	PhD candidate	Colorado State University, USA	2003-2006
29	Finding Solutions for Promoting Natural Resources Community-Based Management in H'Mong Villages, Muong Te District, Lai Chau Provinces. Vietnam-Netherlands Research Cooperation Program, (in co-author with Vuong Van Quynh). - Investigating the local needs and their impacts on the forest, especially the impacts on the protected areas in Lai Chau province. - Proposing some appropriate solutions to protect the forest and protected areas based on the community of H'Mong people.	Researcher	Forestry University of Vietnam	2000-2002
30	Biodiversity Conservation of Bana Natural Reserve. - Participated in identifying the forest plant species for completing the proposal to establish the forest areas to be the nation's nature reserve	Member	Frontier Vietnam, Botanical Department, Forestry University of Vietnam	1995
31	Collecting plant specimens and preparation of the plant biodiversity list for Bavi National Park and Ba Na Nature Reserve: protected areas of Vietnam. - Participated in identifying forest plant species - Go to the forest to collect the forest plant specimen - Contributed to prepare the plant biodiversitylist	A member of a team working for Biodiversity survey and evaluation for Bavi National Park, and Ba Na Nature Reserved	Botanical Department, Forestry University of Vietnam	1994-1995

PEER REVIEW JOURNAL PAPERS

No.	Title	Authors	Publication	Years
I	International journals			
1	Environmental Factors Influencing Streamwater Chemistry in Selected Watersheds of the United States of America	Khoa Van Phung and John D. Stednick	Water Research & Development. Vol. 2 No.1&2	2003
2	Study on Gaseous Formaldehyde Removal Capability of Some Native Plant Species in	Phung Van Khoa, Bui Van Nang and	International Journal of Chemical,	2013

	Vietnam	Nguyen Thi Bich Hao	Environmental and Pharmaceutical Research	
II	Vietnamese journals			
3	Application of the Median Number in Watershed Management	Phung Van Khoa	Economic-Ecology Journal	2009
4	Water Holding Capacity of Pine Forest in the Experimental Areas of Vietnam Forestry University	Vuong Van Quynh, Phung Van Khoa	Vietnam Forestry Review Magazine	2009
5	Riparian forest ecosystem restoration for Agriculture and river basin sustainable management: A case study of Cau river, Vietnam	Phung Van Khoa	Vietnam Agriculture and Rural Development Journal	2009
6	Research on the relationship between the porosity with the compactness and moisture content of the topsoil layer under the canopy of Acacia auriculiformis forest	Phung Van Khoa	Vietnam Agriculture and Rural Development Journal	2013

BOOKS

Phung Van Khoa, 2013. Application of Geospatial Technology in the Management Resources and Environment of the Watershed. Agricultural Publishing House, 1
ISSN: 978-604-60-1110-1 (Reference book for undergraduate and graduate levels).

December, 2015

Phung Van Khoa