

CURRICULUM VITAE

Le Xuan Phuong

Assoc. Professor of Forestry



VNUF

Vietnam National University of Forestry

+84. 433.840.750 Office

+84. 913.575.309 Mobile

phuonglx@vfu.edu.vn

www.vfu.edu.vn

PROFESSIONAL INTERESTS

Wood science and technology, Wood composites, Wood identification, Cleaner production.

EDUCATION / DEGREES

Bachelor of Wood Processing (B.Sc): Vietnam National University of Forestry, 1992-1997

Master of Wood Processing (M.Sc): Vietnam National University of Forestry, 1997-2001

Doctor of Biomaterial Sciences (Ph.D): The University of Tokyo, Japan, 2003-2007

WORKING EXPERIENCE

11.2013 – Present: Vice Director of Science - Technology and International Cooperation Division; Vietnam National University of Forestry (VNUF)

11.2009 – 11.2013: Director of Testing Center of Forest Products; Wood Technology Faculty, Vietnam National University of Forestry (VNUF)

10/2015 – Present: Associate Professor of Forestry, National Council of Professor Title

1997 – 10.2015: Lecturer, Wood Technology Faculty, Vietnam National University of Forestry (VNUF)

TEACHING EXPERIENCE

Undergraduate Courses: Wood based panels technology; Wood composites materials; Cleaner production;

Master Courses: Wood based materials; Wood composites materials; Wood modification.

Ph.D Courses: Advanced wood composites.

REPRESENTATIVE GRANTS

TT	Project title	Role	Sponsor	Duration
1	Rice straw technology for furniture making and building materials	Principle investigator	01C-03/04-2010-2; Hanoi DOST	2010-2011
2	Review on DNA analysis on wood identification and its origin	Principle investigator	VNUF	2014
3	Evaluation of flooring qualities from modified veneers	Principle investigator	Sub-project. State Project KC.07.03/11-15	12/2013-11/2014

TT	Project title	Role	Sponsor	Duration
4	New mechanism FS for REDD+ through revegetation at denuded lands and woody biomass-based power generation in Son La province, Vietnam	Principle investigator	GEC and Sumitomo Forestry Co. Ltd.	9/2011-3/2012
5	Bilateral Offset Credit Mechanism Feasibility Study REDD+ through Forest Management Scheme, and Biomass-based Power Generation using Timber Industry Waste	Principle investigator	GEC and Sumitomo Forestry Co. Ltd.	6/2012-2/2013
6	Investigation on wood anatomy of column excavated in Doan Mon gate, Hanoi	Principle investigator	Hanoi citedal conservation center	2013
7	Utilize agro-forestry wastes to produce substrate for lacquer wares	Secretary	MARD	2009-2010
8	Establishing cleaner production model for wood processing and rattan furniture factories to protect environment and promote international integration	Secretary	MARD	2011-2012
9	Establishing cost norms of labor, material and energy in wood industry	Secretary	MARD	2013
10	Process development as well as investigations to steaming and roast processes of selected bamboo species of Vietnam	Coordinator	GZ: WA 1540/11-1 DFG - Germany	3/2010-2/2013
11	Investigations into the thermal and hygro-thermal modification of fast growing wood species <i>Acacia mangium</i>	Coordinator	VNM 09/004 BMBF – Germany	11/2009-10/2011
12	Survey the current status of conservation of waterlogged wood, test their properties and propose the conservation solutions for exposed artifacts	Co-Investigator	Trust Fund UNESCO-Japan (JFIT 536 VIE4001)	2011
13	東アジア地域の木材利用の歴史から探る持続的社会の構築 (Sustainable community considered from history of wood use in East Asia)	Co-Investigator	ミッション4 (循環型資源・材料開発) Kyoto University	2012
14	Exchange Program on Conservation of Archaeological Waterlogged woods in Vietnam under “Networking Core Centres for International Cooperation on Conservation of Cultural Heritage” project	Co-Investigator	Agency of Cultural Affairs, Government of Japan	8/2013-3/2014
15	Establishing model of environmental management and pollution treatment model for bamboo and rattan export handicraft villages	Co-Investigator	MARD	2011-2012
16	Application of nano materials (SiO ₂) to modify flooring to improve the strength and quality of timber from fast growing plantation	Co-Investigator	Hanoi DOST	2011-2012

PEER REVIEW JOURNAL PAPERS

No.	Title	Authors	Publication	Years
I	International journals			
1	ベトナムの森林と造林樹種概観	Le Xuan Phuong , 信田 聡 (翻案)	Wood Industry	2003
2	Effect of heat treatment on bending strength and decay resistance of <i>Styrax tonkinensis</i> wood	Le Xuan Phuong , 信田 聡, 斎藤 幸恵, 桃原 郁夫	Wood Preservation	2006
3	Effects of heat treatment on brittleness of <i>Styrax tonkinensis</i> wood	Le Xuan Phuong , Satoshi Shida, Yukie Saito	Journal of Wood Science	2007
4	Determination of the accessible hydroxyl groups in heat-treated <i>Styrax tonkinensis</i> (Pierre) Craib ex Hartwich wood by hydrogen-deuterium exchange and ² H NMR spectroscopy	Le Xuan Phuong , Masato Takayama, Satoshi Shida, Yuji Matsumoto and Tetsuo Aoyagi	Holzforschung	2007
5	From plantation forestry to the pulp and paper industry: A case study of Vietnam	Herman Hidayat, Yasuyuki Kono, Le Xuan Phuong	South Pacific Studies	2012
6	The effects of thermal modification on the properties of two Vietnamese bamboo species, Part I: Effects on physical properties	Cong Trung Nguyen, Andre Wagenführ, Le Xuan Phuong , Vu Huy Dai, Martina Bremer, Steffen Fischer	Bioresources	2012
7	Eigenschaftsveränderungen von <i>Acacia mangium</i> aus Vietnam durch thermische Modifikation	Trung Cong Nguyen, André Wagenführ, Le Xuan Phuong , Vu Huy Dai	Holztechnologie	2012
8	Effects of Thermal Modification on the Properties of Two Vietnamese Bamboo Species. Part II: Effects on Chemical Composition	Martina Bremer, S Fischer, TC Nguyen, A Wagenführ, Le Xuan Phuong , VH Dai	Bioresources	2013
9	Effect of rice straw softening treatment time and mixing ratio between <i>Acacia mangium</i> Willd wood and rice straw on the quality of mixed particleboard	Tran Van Chu, Le Xuan Phuong	Journal of Forest and Environmental Science	2015
II	Vietnamese journals			
10	Characteristics of waterlogged	Le Xuan Phuong	Forestry science and	2014

	wood poles excavated near Doan Mon gate, Thang Long citadel		technology journal	
11	Study on manufacturing composite waste tyre	Le Xuan Phuong Nguyen Minh Hung	Science and technology journal of agriculture & rural development	2015
12	The effectiveness of fire retardant of two formulares: Bo compound and urea phosphate	Tran Van Chu Le Xuan Phuong	Science and technology journal of agriculture & rural development	2015
13	Simultaneous effect of three factors: Concentration, impregnating time and pressure to quality of wood of <i>Acacia mangium x Acacia auriculiformis</i> modified by nano SiO ₂ solution	Nguyen Van Thiet Le Xuan Phuong	Science and technology journal of agriculture & rural development	2015
14	Effects of heat treatment conditions on the color change of veneer from <i>Styrax tonkinensis</i> used for producing reconstituted decorative veneer	Tran Van Chu Le Xuan Phuong	Science and technology journal of agriculture & rural development	2015
15	Effects of pressing conditions on the quality of fire – retardant plywood from <i>Acacia hybrid</i>	Tran Van Chu Le Xuan Phuong	Science and technology journal of agriculture & rural development	2015
16	Chemical structure change of <i>Acacia mangium</i> wood after heat treatment	Le Xuan Phuong Tran Van Chu	Science and technology journal of agriculture & rural development	2015
17	Physiscal and mechanical properties of flooring from chemically modified veneer	Le Xuan Phuong Nguyen Hong Minh	Forestry science and technology journal	2015

PROCEEDINGS OF CONFERENCE

No.	Title	Authors	Publication	Years
1	Effects of heat treatment on both mould growth and bending strength using <i>Styrax tonkinensis</i>	Le Xuan Phuong , Satoshi Shida, Yukie Saito	3 rd International Symposium on Surfacing and Finishing of Wood IUFRO Division 5	2004
2	Bending strength, color and wettability on the surface of heat-treated <i>Styrax tonkinensis</i> wood	Le Xuan Phuong , Satoshi Shida, Yukie Saito	IAWPS 2005 International Symposium on Wood Science and Technology	2005
3	Resource potential of forest plantation for total utilization in Vietnam	Eiji Togawa, Mario Tonosaki, Le Xuan Phuong , Vu Huy Dai, Koichi Yamamoto	Biomass Asia Workshop	2008

BOOKS

1. Tran Van Chu, Trinh Hien Mai, **Le Xuan Phuong** (2013) Wood Modification. Agriculture Publishing House (In Vietnamese).
2. Do Thi Ngoc Bich, **Le Xuan Phuong**, Latsamy Boupaha, Heng Chamroeun (2010) Non Timber Forest Products Processing and Marketing. Vietnam National University of Forestry.
3. Pham Van Chuong, Nguyen Nhat Chieu, Duong Van Tai, Nguyen Van Quan, Do Thi Ngoc Bich, Vu Huy Dai, Hoang Tien Duong, Vo Thanh Minh, Nguyen Thi Minh Nguyet, **Le Xuan Phuong** (2013). Handbook of Technology and Equipments for Harvesting and Processing of Forest Products. Agriculture Publishing House (In Vietnamese).

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Le Xuan Phuong