

Assoc. Prof. Prasit Wangpakapattanawong, Ph.D.

Born: 3 July 1971

Professional Experience:

2001 – 2007	Tenured Lecturer
2008 – 2019	Assistant Professor
2019 - present	Associate Professor
	Department of Biology
2021 – present	Head of Doi Suthep Nature Center
	Faculty of Science,
	Chiang Mai University
	Chiang Mai, THAILAND
2011	Country Representative (Part time)
	World Agroforestry Center (ICRAF)
	Thailand Office, Chiang Mai, THAILAND

Courses Taught at CMU:

1. Undergraduate Level: Basic Biology, Ecology, Critical Thinking, Publishing Biological Research, Conservation Biology, World of Science
2. Graduate Level: Biodiversity, Ethnobotany

Other Responsibilities

1. Faculty of Science
 - Member, Research Board
2. Department of Biology, Faculty of Science
 - Member, Ph.D. Program in Biodiversity and Ethnobiology
 - Member, Biology Graduate Board

Educational Background:

2001-2004

Post-doctoral researcher with Dr. Stephen Elliott
 Department of Biology, Faculty Science, Chiang Mai University, Thailand
 Research experience: Forest restoration
 Expertise: Forest restoration

1996-2001

Ph.D. (Forest Sciences)
 The University of British Columbia, Canada
 Dissertation “Ecological Studies of Reduced Forest-Fallow Shifting Cultivation of Karen People in Mae Chaem Watershed, Northern Thailand, and Implications for Sustainability”
 Supervisor Prof.Dr.J.P. Kimmins

1993-1996

M.Sc. (Botany)
 Iowa State University, USA
 Thesis “Changes of Wetland Areas in the Des Moines Lobe, Iowa”
 Supervisor Prof.Dr. A.G. van der Valk

1989-1993

B.S. (Biology, First Class Honors)
 Chiang Mai University, Thailand
 Senior Project “Effects of Some Factors on *In vitro* Tissue Culture of Shoots of Watermelon (*Citrullus vulgaris*)”
 Supervisor: Associate Prof.Dr. Thipmani Paratasilpin

Scholarship:

1989-2001 The Development and Promotion of Science and Technology Talent Project (DPST), Ministry of Science and the Environment, Thailand

Blogs:

Wangpakapattanawong P (2015) Can agroforestry help Cambodia become healthier and wealthier? <http://blog.worldagroforestry.org/index.php/2015/03/09/can-agroforestry-help-cambodia-become-healthier-and-wealthier-2/>

Wangpakapattanawong P (2015) How a scientist furthered his communication skills. <http://blog.worldagroforestry.org/index.php/2015/04/01/how-a-scientist-furthered-his-communication-skills/>

Wangpakapattanawong P (2016) A new hope for agroforestry in Myanmar. <http://blog.worldagroforestry.org/index.php/2016/09/23/new-hope-agroforestry-myanmar/>

Academic Publications (Chronological order)

(Underlined are corresponding authorships):

2021

Pothong T, Elliott S, Chairuang Sri S, Chanthorn W, Shannon DP, **Wangpakapattanawong, P** (2021) New allometric equations for quantifying tree biomass and carbon sequestration in seasonally dry secondary forest in northern Thailand. *New Forests* (<https://doi.org/10.1007/s11056-021-09844-3>).

2020

1. Kantasrila, R., Pandith, H., Balslev, H., **Wangpakapattanawong, P.**, Panyadee, P., & Inta, A. (2020) Medicinal Plants for Treating Musculoskeletal Disorders among Karen in Thailand. *Plants*, 9(7), 811.
2. Punchay, K., Inta, A., Tiansawat, P., Balslev, H., & **Wangpakapattanawong, P.** (2020) Nutrient and mineral compositions of wild leafy vegetables of the Karen and Lawa communities in Thailand. *Foods*, 9, 1748: doi:10.3390/foods9121748.
3. Punchay, K., Inta, A., Tiansawat, P., Balslev, H., & **Wangpakapattanawong, P.** (2020) Traditional knowledge of wild food plants of Thai Karen and Lawa (Thailand). *Genetic Resources and Crop Evolution*, 1-23.

2019

1. Champrasert P, Sampattagul S, Yodkhum S and **Wangpakapattanawong P** (2019) Assessment of Carbon Footprint of Upland Rice Production in Northern Thailand. *Chiang Mai University Journal of Natural Sciences* (Accepted)
2. Panyadee P, Balslev H, **Wangpakapattanawong P**, and Inta A. (2019). Medicinal plants in homegardens of four ethnic groups in Thailand. *Journal of ethnopharmacology* 239:111927.
3. Thongkumkoon P, Chomdej S, Kampuansai J, Pradit W, Waikham P, Elliott S, Chairuang Sri S, Shannon D.P, **Wangpakapattanawong P** and Liu A. (2019). Genetic assessment of three Fagaceae species in forest restoration trials. *PeerJ*, 7, e6958.

2018

1. Khamyong N, **Wangpakapattanawong P**, Chairungsri S, Inta A, Tiansawat T (2018) Tree species composition and height-diameter allometry of three forest types in northern Thailand. *CMU Journal of Natural Sciences* 17(4):289-306.
3. Panyaarj P, Sitasuwan N, Sanitjan S, and **Wangpakapattanawong P** (2018) Birds Species Diversity along Riparian Zones at Doi Chiang Dao Wildlife Research Station, Chiang Mai Province, Thailand. *YRU Journal of Science and Technology* 3:9-22.
4. Panyadee P, Balslev H, **Wangpakapattanawong P**, and Inta A (2018) Karen Homegardens: Characteristics, Functions, and Species Diversity. *Economic botany* 72:1-19.
5. Roesler A, Smithers LG, Winichagoon P, **Wangpakapattanawong P**, and Moore V (2018) Health Workers' and Villagers' Perceptions of Young Child Health, Growth Monitoring, and the Role of the Health System in Remote Thailand. *Food and nutrition bulletin* 39:536-548.
6. Roesler A, Smithers LG, Winichagoon P, **Wangpakapattanawong P**, and Moore V (2018) Local perspectives and context in relation to feeding practices of children under 2 years in the mountain villages of northern Thailand. *Public health nutrition* 21:2989-2997.
7. Roesler AL, Smithers LG, **Wangpakapattanawong P**, and Moore V (2018) Stunting, dietary diversity and household food insecurity among children under 5 years in ethnic communities of northern Thailand. *Journal of Public Health*.
8. Waikham P, Thongkumkoon P, Chomdej S, Liu A, and **Wangpakapattanawong P** (2018) Development of 13 microsatellite markers for *Castanopsis tribuloides* (Fagaceae) using next-generation sequencing. *Molecular biology reports* 45:27-30.

2017

1. Jantawong K, Elliott S, and **Wangpakapattanawong P** (2017) Above-ground carbon sequestration during restoration of upland evergreen forest in northern Thailand. *Open Journal of Forestry* 7:157.
2. Panyaarj P, **Wangpakapattanawong P**, Sitasuwan N, Sanitjan S (2017) Breeding ecology of buff-breasted babbler (*Pellorneum tickelli*) at Doi Chiang Dao Wildlife Research Station, Chiang Mai province, Thailand. *Agriculture and Natural Resources* 51:425-431.

2016

1. Berti P, Desrochers RE, Hoi Pham Van, An Lê Văn, Ngo Tung Duc, Ky Hoang The, Nga Le Thi, **Wangpakapattanawong P** (2016) The process of developing a nutrition-sensitive agriculture intervention: A multi-site experience. *Food Security* 8(6):1053-1068. ISI Impact Factor 1.557.
2. Inta A, Balslev H, Gustafsson MHG, Frydenberg J, Kampuansai J, **Wangpakapattanawong P**, Popluechai S, Pei S, Trisonthi C, Lambertini C (2016) Genetic diversity patterns of rice (*Oryza sativa* L.) landraces after migration by Tai Lue and Akha between China and Thailand. *Genetic Resources and Crop Evolution* 63(5):845-858. ISI Impact Factor 1.258.
3. Panyadee P, Balslev H, Jampeetong A, **Wangpakapattanawong P**, Inta A (2016) Woody plant diversity in urban homegardens in northern Thailand. *Economic Botany* 70(3):285-302. ISI Impact Factor 1.109.
4. Pothasin P, Compton S, and **Wangpakapattanawong P** (2016) Seasonality of leaf and fig production in *Ficus squamosa*, a fig tree with seeds dispersed by water. *PloS ONE* 11(3): e0152380. doi: 10.1371/journal.pone.0152380. ISI Impact Factor 4.411.

5. Tanming W, Inta A, Jampeetong J, **Wangpakapattanawong P** (2016) *Ficus beipeiensis* S.S. Chang (Moraceae), a new record for Thailand. Thai Journal of Botany 7(2):111-113.

2015

1. Kavinchan N, **Wangpakapattanawong P**, Elliott S, Chairuang Sri S, Pinthong J (2015) Soil organic carbon stock in restored and natural forests in northern Thailand. KKU Research Journal 20(3):294-304. (Scopus)

2. Kavinchan N, **Wangpakapattanawong P**, Elliott S, Chairuang Sri S, Pinthong J (2015b) Use of the framework species method to restore carbon flow via litterfall and decomposition in an evergreen tropical forest ecosystem, northern Thailand. Kasetsart Journal (Natural Science) 49:639-650. (Scopus)

3. Kunsorn A, Chomdej S, Sitasuwan N, **Wangpakapattanawong P**, Suwannapoom C, Sandercock BK (2015) First investigation on the diet of the eastern grass owl during the nesting period in Thailand. Raffles Bulletin of Zoology 63:27-32. ISI Impact Factor 1.024.

2014

1. Junsongduang A, Balslev H, Inta A, Jampeetong A, **Wangpakapattanawong P** (2014) Karen and Lawa medicinal plant uses: Uniformity or ethnic divergence? Journal of Ethnopharmacology 151:517-527. ISI Impact Factor 2.939.

2. Junsongduang A, Balslev H, Jampeetong A, Inta A, **Wangpakapattanawong P** (2014) Woody Plant diversity in sacred forests and fallows in Chiang Mai, Thailand. Chiang Mai Journal of Science 41(5/1): 1132-1149. ISI Impact Factor (2014) 0.371.

3. Khuankaew S, Srithi K, Tiansawat P, Jampeetong A, Inta A, **Wangpakapattanawong P** (2014) Ethnobotanical study of medicinal plants used by Tai Yai in Northern Thailand. Journal of Ethnopharmacology 151:829-838. ISI Impact Factor 2.939.

4. Pothasin P, Compton S, **Wangpakapattanawong P** (2014) Riparian *Ficus* tree communities: The distribution and abundance of riparian fig trees in northern Thailand. Plos One <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0108945>. ISI Impact Factor 3.534.

5. van Noorwijk M, Bizard V, **Wangpakapattanawong P**, Tata HL, Villamor GB, Leimona B (2014) Tree cover transitions and food security in Southeast Asia. Global Food Security 3(3-4):200-208. (Scopus)

2013

1. Junsongduang A, Balslev H, Inta A, Jampeetong A, **Wangpakapattanawong P** (2013) Medicinal plants from swidden fallows and sacred forest of the Karen and the Lawa in Thailand. Journal of Ethnobiology and Ethnomedicine 9:44:1-10. ISI Impact Factor 4.43.

2012

1. Srithi K, Trisonthi C, **Wangpakapattanawong P**, and Balslev H (2012) Medicinal plants used in Hmong women's healthcare in northern Thailand. Journal of Ethnopharmacology 139:119-135.

2. Srithi K, Trisonthi C, **Wangpakapattanawong P**, Srisanga P, and Balslev H (2012) Plant Diversity in Hmong and Mien Homegardens in Northern Thailand. Economic Botany 66(2):192-206.

2011

1. Ratnamhin A, Elliott S, **Wangpakapattanawong P** (2011) Vegetative propagation of rare tree species for forest restoration. *Chiang Mai Journal of Science* 38(2):306-310.
2. Saunkaew, P. **Wangpakapattanawong P**, and Jampeetong, A. (2011) Growth, morphology, ammonium uptake and nutrient allocation of *Myriophyllum Brasiliense* Cambess. under high NH₄⁺ concentrations. *Ecotoxicology* 20: 2011-18.
3. Tarachai Y, Sukumalanand P, **Wangpakapattanawong P**, Compton SG, and Trisonthi C (2011) Diversity of figs and their pollinators in Chiang Mai province, Thailand. *Chiang Mai Journal of Science* 38(4):638-647.

2010

1. **Wangpakapattanawong P**, Kavichan N, Vaidhayagarn C, Schmidt-Vogt D, and Elliott S. (2010) Fallow to forest: Applying indigenous and scientific knowledge of swidden cultivation to tropical forest restoration. *Forest Ecology and Management* 260:1399-1406.
2. **Wangpakapattanawong P**, Schmidt-Vogt D, Kavichan N, Elliott S (2010) Integrating traditional and scientific knowledge of forest regeneration in swidden cultivation systems of northern Thailand for tropical forest restoration. *GLP News No. 6*:3-5.
3. Sirinun J, Phalaraksh C, Srisanga P, **Wangpakapattanawong P** (2010) Relation between riparian vegetation and carbon sequestration at check dam areas, ThaPapao village, Mae Tha district, Lamphun province. *Thai Journal of Botany* 2:257-274. (in Thai)
4. Koonyodying D, Elliott S, **Wangpakapattanawong P** (2010) Seed germination treatments of some rare tree species for forest restoration in northern Thailand. *KKU Research Journal* 15(10):951-964. (in Thai)

2009

1. Srithi K, Balslev H, **Wangpakapattanawong P**, Srisanga P, Trisonthi C (2009) Medicinal plant knowledge and its erosion among the Mien (Yao) in northern Thailand. *Journal of Ethnopharmacology* 123:335-342.
2. Suksathan R, Trisonthi C, Trisonthi P, **Wangpakapattanawong P** (2009) Notes on spice plants in the Genus *Zanthoxylum* (Rutaceae) in Northern Thailand. *Thai Forest Bulletin (Botany) Special Issue*:197-204.
3. Wydhayagarn C, Elliott S, **Wangpakapattanawong P** (2009) Bird communities and seedling recruitment in restoring seasonally dry forest using the framework species method in Northern Thailand. *New Forests* 38:81-97.

2008

1. **Wangpakapattanawong P**, Elliott S (2008) Testing the framework species method for forest restoration in Chiang Mai, Northern Thailand. *Walailak Journal of Science and Technology* 5 (1):1-15.
2. Inta A, Balslev H, Pei S, **Wangpakapattanawong P**, and Trisonthi C (2008) A comparative study on medicinal plants used in Akha's traditional medicine in China and Thailand, cultural coherence or ecological divergence? *Journal of Ethnopharmacology* 116:508-517.
3. Kimmins JP, Welham C, Cao F, **Wangpakapattanawong P**, Christanty L (2008) The role of ecosystem-level models in the design of agroforestry systems for future environmental conditions and social needs, pp 231-248 *In* Jose S, Gordon AM (eds) *Toward Agroforestry Design: An Ecological Approach (Advances in agroforestry)*. Springer (ISBN 978-1-4020-6571-2).

4. Tienboon P, **Wangpakapattanawong P**, Thomas DE, Kimmins JP (2008) Blood lipid and protein status of Karen hill tribe children aged 1-6 years in Northern Thailand. Thai Journal of Clinical Nutrition 2: 20-24.

5. Tienboon P, **Wangpakapattanawong P**, Thomas DE, Kimmins JP (2008) Dietary intakes of Karen hill tribes children aged 1-6 years in northern Thailand. Asian Pacific Journal of Tropical Medicine 1: 1-6.

7. Tienboon P, **Wangpakapattanawong P**, Thomas DE, Kimmins JP (2008) Vitamins and minerals status of Karen hill tribe children aged 1-6 years in Northern Thailand. Thai Journal of Clinical Nutrition 2: 34-38.

2007

1. Tienboon P, and **Wangpakapattanawong P** (2007) Vitamin A status of the minority ethnic group of Karen hill tribe children aged 1-6 years in Northern Thailand. Asia Pac J ClinNutr 16:158-162.

2. Tienboon P, and **Wangpakapattanawong P** (2007) Nutritional status, body composition and health conditions of the Karen hill tribe children aged 1-6 years in Northern Thailand. Asia Pac J ClinNutr 16:279-285.