

Curriculum Vitae

Personal information

First name and surname **Bohdan Lojka**
Address Dubečno 50, 289 02 Kněžice (Czech Republic)
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E-mail(s) lojka@ftz.czu.cz
Nationality Czech
Date of birth 22 June 1974
Gender Male



Work experience

Date Since 2001
Name of employer Czech University of Life Sciences Prague, Faculty of Tropical AgriSciences (former Institute of Tropics and Subtropics), Dpt. of Crop Sciences and Agroforestry
Occupation or position held Associated professor (since 2012), Head of department (since 2006)
Main activities and responsibilities Lecturing, supervising thesis, scientific research, rural development projects, supervisor of the MSc program Tropical Forestry and Agroforestry
Lecturing BSc. courses - Agroforestry, Plantation Crops; MSc. Courses – Agroforestry, Agroforestry Systems, Tropical Pastures and Fodder Crops, Tropical Crop Production
Supervising 2 PhD., 34 MSc. and 20 BSc. thesis successfully finished
Research Biodiversity conservation, agroforestry systems, tree domestication and genetics, tropical crop production systems, tropical forestry
Date 2012 - 2014
Name of employer Humboldt Universitaet zu Berlin, Faculty of Agriculture and Horticulture
Occupation or position held External lecturer
Lecturing International Plant Production (MSc program Integrated Natural Resources Management)
Date Since 2010
Name of employer University of South Bohemia in Ceske Budejovice, Faculty of Agriculture
Occupation or position held External lecturer
Lecturing Useful Crops in Tropics and Subtropics (MSc program Biology and Conservation of Species)

Academic education

Date October 2011
Title of qualification awarded Associate professor (habilitation)
Name and type of organisation Czech University of Life Sciences Prague, Faculty of Forestry and Wood Sciences, Czech Republic
Specialization Forest Management
Thesis Agroforestry as an Alternative to Slash-and-Burn Farming in Peruvian Amazon
Date 2001 - 2005
Title of qualification awarded PhD.
Name and type of organisation Czech University of Life Sciences Prague, Institute of Tropics and Subtropics, Czech Republic
Specialization Tropical and subtropical agriculture

Thesis	Evaluation of Agroforestry Systems in the Peruvian Amazon
Date	Oct 2002 – Feb 2003
Title of qualification	Part of PhD. studies (Socrates/Erasmus program)
Name and type of organisation	Wageningen University for Life Sciences, Erosion Soil and Water Conservation Group, The Netherlands
Specialization	Soil conservation
Date	1992 - 1997
Title of qualification awarded	MSc.
Name and type of organisation	Czech University of Life Sciences Prague, Institute of Tropics and Subtropics, Czech Republic
Specialization	Tropical and subtropical agriculture
Date	1995 - 1998
Title of qualification awarded	BSc.
Name and type of organisation	Charles University, Faculty of Science, Czech Republic
Specialization	Environmental Protection

External projects and grants

Date	2014-2016
Name of the project	Genetic diversity of Amazonian agroforestry tree species (20145005)
Occupation or position held	Project coordinator
Main activities and responsibilities	CIGA ČZU; 650,000 CZK
Date	2013 – 2015
Name of the project	AgroFE – Agroforestry Formation in Europe (2013-1-FR1-LEO05-48937)
Occupation or position held	Coordinator at CULS Prague
Main activities and responsibilities	EU Leonardo da Vinci Lifelong Learning Programme; 398,800,- EUR
Date	2011 – 2012
Name of the project	Morphological and genetic diversity of indigenous tropical trees in the Amazon – model study of <i>Inga edulis</i> Mart. in Peruvian Amazon
Occupation or position held	University main coordinator
Main activities and responsibilities	Molecular markers studies
Donor and budget	Academy of Science of CR – CONCYTEC, Peru; 240,000 CZK
Date	2008-2010
Name of the project	Sustainable development in Leylek region, Kyrgyzstan (36/MZe/B/08-10)
Occupation or position held	Team member
Main activities and responsibilities	Rural Development project in the Kulundu valley, South-East Kyrgyzstan – improvement of crop production systems of small farmers, several long-term stays
Donor and budget	Ministry of Agriculture CR; 5,000,000 CZK
Date	2007-2009
Name of the project	Sustainable management of natural resources in Peruvian Amazon (23/Mze/B/07-10)
Occupation or position held	Head Manager
Main activities and responsibilities	Development and research project– implementation of agroforestry systems among small farmers, several long-term stays

Donor and budget	Ministry of Agriculture CR; 10,000,000 CZK
Date	2007-2009
Name of the project	Sustainable development in Phong My Commune, Central Vietnam (26/MZe/B/07-09)
Occupation or position held	Team member
Main activities and responsibilities	Rural Development– improvement of crop production systems of small farmers
Donor and budget	Ministry of Agriculture CR, 8,040,000 CZK
Date	2003-2006
Name of the project	Establishment of development and extension centre for sustainable agriculture in Peruvian Amazon (80/03-06/MZe/B)
Occupation or position held	Head Manager
Main activities and responsibilities	Development and research project– implementation of agroforestry systems among small farmers
Donor and budget	Ministry of Agriculture CR; 4,950,000 CZK

Foreign experiences

4-5/2016	Erasmus Mundus EULALinks mobility grant – Universidad Rafael Landívar, Guatemala (1 month)
12/2015	Rural development project in Battambang, Kambodža, Czech Development cooperation – expert on agroforestry (2 weeks)
06-07/2015	OECD research fellowship – Wildlife genetic lab, University of Rhode Island, U.S.A. (2 months)
11/2011 – 04/2012	Fulbright scientist fellowship at University of Rhode Island – Department of Natural Resources Science, Kingston, RI, U.S.A. (5 months)
2005 – 2014	Lecturing at foreign universities in the frame of Erasmus LLP program (2012-14 – Humboldt University in Berlin, Germany; 2012 – University of Catania, Italy; 2010 - University of Ghent, Belgium; 2008 – Universidad Politecnica Castelo Branco, Portugal; 2006 – Universidad Politécnica de Valencia, Spain; 2005 – Kassel University, Germany)
2003 – 2011	Several long-term stays in Peru, Pucallpa - development project (22 m in total)
2007 – 2010	Several long-term stays in Kyrgyzstan, Isfana – development project (2 m in total)
2007 – 2008	Several long-term stays in Vietnamu, Hue - development project (3 m in total)
10/2002 – 02/2003	Part of Ph.D. studies - Wageningen University for Life Sciences, the Netherland (5 months)

Organizations

Since 2014	Czech Agroforestry Association - Chair
Since 2012	EURAF – European Agroforestry Federation – general assembly

Training

Dates	Aug 2009
Principal subjects / occupational skills covered	Czech DET 2009 – International Development Evaluation Training
Name and type of organisation providing training	World Bank and IDEAS (International Development Evaluation Association)
Dates	May 2007
Principal subjects / occupational skills covered	Project Cycle Management
Name and type of organisation providing training	Institute for International Relations, Ministry of Foreign Affairs of Czech Republic

Personal skills and competences

Mother tongue(s)

Other language (s), self-assessment

European level (*)

English

Spanish

Russian

German

French

Czech

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C1	Proficient user
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C1	Proficient user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	A2	Basic User
A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User
A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences

Team leadership and cooperation, skills of adaptation in multicultural environment, good communication skills.

Organisational skills and competences

Experience of leadership and rural development project management, international and national collaboration.

Technical skills and competences

Experience in experimental laboratory and field studies; surveying, monitoring, analytical, reporting, publication of results and presentation skills.

Computer skills and competences

Knowledge of Microsoft Office, statistical program (STATISTICA), biodiversity (EstimateS).

Scientific competences

Member of two scientific boards, member of editing board of two scientific journals, reviewer of various scientific journals.

Driving licence

Category B

Publications

A1 - Scientific Journals with IF (12)

Rollo A, Lojka B, Honys D, Mandák B, Chia Wong JA, Santos C, Costa R, Quintela-Sabaris C, Riberiro MM. 2016. Genetic diversity and hybridization in the two species *Inga ingoides* and *I. Edulis*: potential applications for agroforestry in the Peruvian Amazonas. *Annals of Forest Science* 73:425-435. doi:[10.1007/s13595-015-0535-0](#) (IF 2.086, rank: 9/66, Q1 Forestry).

Perry J, Lojka B, Quinonez Ruiz LG, Van Damme P, Houška J, Fernandez EC. 2016. How natural Forest Conversion Affects Insect Biodiversity in the Peruvian Amazon: Can Agroforestry Help?. *Forests* 7(4):82. [Doi:10.3390/f7040082](#). (IF 1.583, rank 19/66, Q2 Forestry).

Tuisima-Coral L, Hlásná-Čepková P, Lojka B, Weber JC, Filomeno-Alves-Milo S. 2016. Genetic diversity in *Guazuma crinita* from eleven provenances in the Peruvian Amazon revealed by ISSR markers. *Bosque* 37(1): 63-70. doi: 10.4067/S0717-92002016000100007. (IF 0.556, rank: 49/66 Q4 Forestry).

Vebrová H, Lojka B, Husband TP, Chuspe Zans ME, Van Damme P, Rollo A and Kalousova M. 2014. Tree diversity in cacao agroforests in San Alejandro, Peruvian Amazon. *Agroforestry Systems*: 88:1101–1115. [Doi: 10.1007/s10457-013-9654-5](#) (IF 1.215, rank: 32/81 Q2 Agronomy, 29/65 Q2 Forestry).

Polesný Z, Verner V, Vlčková M, Banout J, Lojka B, Valíček P, Mazancová J. 2014. Non-timber forest products utilization in Phong Dien Nature Reserve, Vietnam: Who collects, who consumes, who sells?. *Bois et Forêts de Tropiques* 322: 39-48. (IF 0.192, rank: 64/65 Forestry)

Lojka B, Preininger D, Van Damme P, Rollo A and Banout J. 2012. Use of Amazonian tree species *Inga edulis* for soil regeneration and weed control. *Journal of Tropical Forest Science* 24(1): 89-101. (IF 0.537, rank: 45/62 Forestry Q3)

Lojka B, Hlásná Čepkova P, Navratilova L, Van Damme P, Banout J, Polesny Z and Preininger D. 2011. Methods for short-term control of *Imperata* grass in Peruvian Amazon. *Journal of Agriculture and Rural Development in the Tropics and Subtropics* 112(1), 37-43. (IF 0.247, rank 46/57 Q4 Agriculture)

Banout J, Ehl P, Havlík J, Lojka B, Polesný Z. and Verner, V. 2011. Design and performance evaluation of a Double-pass solar drier for drying of red chilli (*Capsicum annum* L.). *Solar Energy* 85(3), 506-515. Doi: [10.1016/j.solener.2010.12.017](#). (IF 2.475, rank 26/81 Q2 Energy and Fuels).

A2 - Scientific Journals without IF

- Vlková M, Polesný Z, Verner V, Banout J, Dvořák M, Havlík J, Lojka B, Ehl E, and Krausová J. 2011. Ethnobotanical knowledge and agrobiodiversity in subsistence farming: case study of home gardens in Phong My commune, central Vietnam. *Genetic Resources and Crop Evolution* 58(5), 629-644. Doi: [10.1007/s10722-010-9603-3](https://doi.org/10.1007/s10722-010-9603-3). (IF 1.554, rank: 26/80 Q2 Agronomy, 85/190 Q2 Plant Sciences).
- Banout J, Havlík J, Kulík M, Klouček P, Lojka B and Valterová I. 2010. Effect of solar drying on the composition of essential oil of Sacha ñodeling (*Eryngium foetidum* L.) grown in the Peruvian Amazon. *Journal of Food Process Engineering* 33(1): 83-103. Doi: [10.1111/j.1745-4530.2008.00261.x](https://doi.org/10.1111/j.1745-4530.2008.00261.x). (IF 0.523, rank: 92/128 Q3 Food Science and Technology).
- Lojka B, Lojková J, Banout J, Polesný Z and Preininger D. 2008. Performance of an improved fallow system in the Peruvian Amazon—ñodeling approach. *Agroforestry Systems* 72(1), 27-39. doi: [10.1007/s10457-007-9079-0](https://doi.org/10.1007/s10457-007-9079-0). (IF 0.845, rank: 29/49 Q3 Agronomy, 21/39 Q3 Forestry).
- Banout J, Lojka B, Matoušková N, Polesný Z and Lojková J. 2008. Investigation of *Imperata* sp. as a primary feedstock for compost production in Ucayali region, Peru. *Journal of Agriculture and Rural Development in the Tropics and Subtropics* 109(2), 113-127. (IF 0.214, rank: 29/35 Q4 Agriculture)
- Ocelák M, Hlásná Čepková P, Viehmannová I, Dvořáková Z, Huansi DC and Lojka, B. 2015. Genetic diversity of *Plukenetia volubilis* L. Assessed by ISSR markers. *Scientia Agriculturae Bohemica* (2015-4): 145-153. doi: [10.1515/sab-2015-0029](https://doi.org/10.1515/sab-2015-0029) (SJR 0.252)
- Krivankova B, Hlasna Cepkova P, Ocelak M, Juton G, Bechyne M and Lojka B. 2012. Preliminary Study of Diversity of *Plukenetia volubilis* Based on the Morphological and Genetic Characteristics. *Agricultura Tropica et Subtropica* 45(3), 140-146. Doi: [10.2478/v10295-012-0023-6](https://doi.org/10.2478/v10295-012-0023-6).
- Lojka B, Banout J, Banoutova L, Verner V and Van Damme P. 2011. Diversity of shifting cultivation cycles among small-scale farmers in Peruvian Amazon. *Agricultural Sciences* 2(2). 68-77. doi: [10.4236/as.2011.22011](https://doi.org/10.4236/as.2011.22011).
- Tauchen J, Lojka B, Hlasna-Cepkova P, Svobodova E, Dvorakova Z and Rollo A. 2011. Morphological and genetic diversity of *Calycophyllum spruceanum* (Benth) K. Schum (Rubiaceae) in Peruvian Amazon. *Agricultura Tropica et Subtropica* 44(4), 222-229.
- Lojka B, Dumas L, Preininger D, Polesny Z and Banout J. 2010. The use and integration of *Inga edulis* in agroforestry systems in the Amazon – a review. *Agricultura Tropica et Subtropica* 43(4), 352-359.
- Ehl P, Banout J, Lojka B, Polesny Z and Lojkova J. 2010. Post Harvest Processing of Selected Tropical Crops Using a Natural Circulation Solar Dryer in the Peruvian Amazon. *Agricultura Tropica et Subtropica* 43(2), 92-96.
- Preininger D, Lojka B, Bechyně M and Hlavsa T. 2010. Dynamics of weed species under different land use system in Peruvian Amazon. *Agricultura Tropica et Subtropica* 43(1), 42-48.
- Lojka B, Spaan W, Hoogmoed W and Posthumus H. 2006. Prediction of soil loss and crop yields with different management scenarios in barrier system using the SCUAF model in semi-arid Burkina Faso. *Agricultura Tropica et Subtropica* 39(3), 158-167.
- Lojka B, Preininger D, Lojkova J, Banout J and Polesny Z. 2005. Biomass growth and farmer knowledge of *Inga edulis* in Peruvian Amazon. *Agricultura Tropica et Subtropica* 38 (3-4), 44-51.
- Book chapters (3)
- Lojka B, Bortl L, Riva RR, Banout J, Lojkova J, Polesny Z, Preininger D, Ugarte Guerra J, and Verner V. 2016. Multistrata agroforestry as an alternative to slash-and-burn farming in the Peruvian Amazon. In: Dagar JC and Tewari JC (eds.). *Agroforestry Research Development*. Nova Science Publishers, Inc. Hauppauge, USA: 265-275. ISBN-978-1-63485-094-0.
- Lojka B, Kulikova B, Lojkova J and Banout J. 2010. How to Improve Adoption of Agroforestry Systems among Small Farmers in Peruvian Amazon? In: Kellimore LR (ed.). *Handbook on Agroforestry: Management Practices and Environmental Impact*. Nova Science Publishers, Inc. Hauppauge, USA. ISBN-978-1-60876-359-7.
- Lojka B, Krausova J., Kubik S. and Polesny Z. 2010. Assessment of insect biological diversity in various land use systems in the Peruvian Amazon. In: Rojáz N., Prieto R. (eds.). *The Amazon Basin: Plant Life, Wildlife and Environment*. Nova Science Publishers, Inc. Hauppauge, USA. ISBN-978-1-60741-463-6.
- Books (2)
- Lojka B. 2012. *Agroforestry for the Peruvian Amazon – Looking for Alternatives to Slash-and-Burn Farming*. Lambert Academic Publishing, Saarbruecken, Germany. 163 pp. ISBN 978-3-659-24595-4.
- Lojka B, Quinones L et al. 2009. *Manual Agroforestal – para ecosistemas de altura en Ucayali, Perú*. CIDRA, Pucallpa, Peru. 201pp. ISBN 978-612-45574-0-8.
- Textbooks
- Lojka B and Preininger D. 2006. *Introduction to Agroforestry*. Textbook for ITS. Czech University of Life Sciences Prague. 129 pp. ISBN 80-213-1590-3.

Technical reports	Banout J, Verner V, Havlík J, Lojka B, Polesný Z, Lojková J, Ehl P and Landovská O. 2009. Development Study: Natural Resource Conservation and Use in the Biodiversity Hotspot Buffer Zone. Czech University of Life Sciences Prague. 66pp. ISBN 978-80-213-1964-6
Conferences	37 abstracts
Citations (June 2016)	ISI 49, Scopus 57, Google Scholar 149