

# Agrita Žunna

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## WORK EXPERIENCE

2004 – CURRENT Salaspils, Latvia  
**RESEARCHER** LATVIAN STATE FOREST RESEARCH INSTITUTE SILAVA

2002 – 2003 Riga, Latvia  
**LABORATORY ASSISTANT** UNIVERSITY OF LATVIA, LABORATORY OF ETHOLOGY

## EDUCATION AND TRAINING

2015 – 2023 Riga, Latvia  
**PHD** University of Latvia, Faculty of Biology

Website [www.lu.lv](http://www.lu.lv) | Field of study Biology |

**Thesis** Population status of wolf *Canis lupus* after the implementation of the Action Plan for Conservation of Species in Latvia

2003 – 2005 Riga, Latvia  
**MSC** University of Latvia, Faculty of Biology

Website [www.lu.lv](http://www.lu.lv) | Field of study Biology |

**Thesis** Population status of wolf *Canis lupus* after implementation of the Action Plan For Conservation of Species in Latvia: distribution, population structure, trophic ecology

2000 – 2003 Riga  
**BSC** University of Latvia, Faculty of Biology

Website [www.lu.lv](http://www.lu.lv)

## LANGUAGE SKILLS

Mother tongue(s): **LATVIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B1	B2	B2
RUSSIAN	B2	B2	B1	B2	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

## DIGITAL SKILLS

Microsoft Office | Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Google Drive | Google Docs | Zoom | Social Media

## PROJECTS

01/01/2024 – 31/10/2024

**The impact of hunting on the state of the gray wolf (*Canis lupus*) population in Latvia (2024)**

Game Management Development Foundation agreement No. 24-00-S0MSF02-000001  
Project leader

01/01/2024 – 31/10/2024

**Development of adaptive population conservation and management system promoted through the studies appointed by the conservation plan of the gray wolf *Canis lupus* in Latvia**

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Game Management Development Foundation agreement No. 24-00-S0MSF02-000004

Project staff

01/04/2014 – 31/12/2024

**National forest inventory**

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Project staff

01/01/2022 – 15/11/2023

**The impact of hunting on the state of the gray wolf (*Canis lupus*) population in Latvia**

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Game Management Development Foundation agreement No. 23-00-S0MSF02-000003

Project staff

01/07/2021 – 31/10/2023

**Strengthening the capacity of the doctoral program of the University of Latvia in the framework of the new doctoral program model**

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European Social Fund operational programme "Growth and Employment", priority axis 8. Education, Skills and Lifelong Learning, specific objective 8.2.2. To strengthen academic staff of higher education institutions in strategic specialisation areas (agreement No. 8.2.2.0/20/I/006)

22/07/2020 – 22/07/2023

**Otter Survey of Latvia and Natura 2000 Sites 2020–2023**

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Nature Conservation Agency agreement No. 7.7/248/2020.

Project staff

01/01/2020 – 15/11/2021

**Changes in large carnivore populations and impact of hunting**

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Game Management Development Foundation agreement No. 2020/67 and No. 21-00-S0MSF02-000001

Project staff

09/05/2019 – 15/11/2019

**Variations in the population of big carnivores depending on hunting pressure (2019)**

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Funded by the Game Management Development Foundation

Project staff

01/07/2018 – 31/10/2019

**Training of the responsible surveyors for carnivore species identification in the cases of livestock depredation, including both sign identification skills in nature and sampling for DNA analyses**

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Funded by the Latvian Environmental Protection Fund

Project Staff

01/03/2016 – 15/11/2018

**Variations in the population of big carnivores depending on hunting pressure**

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Game Management Development Foundation agreement No. 2017/29 and No. 2018/39

Project leader

01/07/2016 – 31/10/2017

**Updating of Species Conservation Plan for the grey wolf in Latvia**

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Funded by the Latvian Environmental Protection Fund

Project staff

08/12/2014 – 20/06/2016

**Monitoring of brown bears and otters**

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Funded by the Nature Conservation Agency

Project staff

24/01/2014 – 31/08/2015

**Developing a system for genetic monitoring of wildlife species**

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28/04/2011 – 15/11/2015

### **Variations in the population of big carnivores depending on hunting pressure**

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Funded by the Game Management Development Foundation  
Project staff

29/03/2010 – 15/11/2014

### **Maximum admissible game population density and the minimum or critical population size**

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Funded by the Game Management Development Foundation  
Project leader

01/01/2009 – 31/12/2009

### **Population development of Latvia's game mammals and the factors affecting them**

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Funded by the Latvian Council of Science  
Project staff

05/06/2007 – 10/12/2008

### **Monitoring of big carnivores**

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Funded by the Game Management Development Foundation  
Project staff

02/01/2006 – 31/12/2008

### **Feeding ecology of game animals and parasite fauna in the food chain**

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Funded by the Latvian Council of Science  
Project staff

## **PUBLICATIONS**

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2023

### **[Genetic Monitoring of Grey Wolves in Latvia Shows Adverse Reproductive and Social Consequences of Hunting](#)**

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Žunna A., Ruņģis D.E., Ozoliņš J., Stepanova A., Done G. 2023. *Biology*, 12(9): 1255.

2023

### **[Does Wolf Management in Latvia Decrease Livestock Depredation? An Analysis of Available Data](#)**

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Šuba J., Žunna A., Bagrade G., Done G., Ornicāns A. et al. 2023. *Sustainability*, 15(11): 8509.

2021

### **[Closer to Carrying Capacity: Analysis of the Internal Demographic Structure Associated with the Management and Density Dependence of a Controlled Wolf Population in Latvia](#)**

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Šuba J., Žunna A., Bagrade G., Done G., Lūkins M. et al. 2021. *Sustainability*, 13(17): 9783.

2020

### **[Attitudes of the General Public and Hunters Towards Wolves in Latvia: Its Predictors and Changes Over Time](#)**

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Žunna A., Bagrade G., Ozoliņš J. 2020. *Proceed. of LAS, Section B*, 74(4): 280-286.

2020

### **[Love Off, Fear On? Brown Bear Acceptance by Teenagers in European Countries with Differing Population Statuses](#)**

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Balčiauskas L., Ambarlı H., Balčiauskienė L. ... Žunna A. 2020. *Sustainability*, 12(6): 2397.

2017

### **[Quantification of deer browsing in summer and its importance for game management in Latvia](#)**

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Priedītis A., Howlett S.J., ... Žunna A., Ozoliņš J. 2017. *Baltic Forestry*, 23(2), 423-431.

2016

### **[Population dynamics of large mammals in Latvia with an emphasis on prey-predator interactions](#)**

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Ozoliņš J., Žunna A. et al. 2016. *Beiträge zur Jagd- und Wildforschung*, Band 41, S. 59-73.

2016

**Status assessment of Eurasian lynx in Latvia linking genetics and demography—a growing population or a source-sink process?**

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Baġrade, G., Ruņģis, D.E., Ornicāns, A., ... Žunna A. et al. 2016. Mammal Research, 61: 337-352.

2011

**Wolf hunting in Latvia in the light of population continuity in the Baltics**

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Ozoliņš, J., ... Žunna, A. et al. 2011. Beiträge zur Jagd- und Wildforschung, Band 36, S. 93-104.

2011

**Food habits of the lynx (*Lynx lynx*) in Latvia based on hunting data**

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Žunna, A., Ozoliņš, J. et al. 2011. Beiträge zur Jagd- und Wildforschung, Band 36, S. 309-317.

2009

**Food habits of the wolf *Canis lupus* in Latvia based on stomach analyses**

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Žunna, A., Ozoliņš, J., Pupila, A. 2009. Estonian Journal of Ecology 58(2): 141-152.