Ondřej Zelba

Resumé / CV, 2023

ORCID: https://orcid.org/0000-0002-1187-8973
Scopus ID: 57217236861
Web of Science ResearcherID: DYN-2418-2022

zelba@vurv.cz OZelba@seznam.cz	+420 774 900 239	Nad Popelkou 1, Praha 5 (CZ)

Professional experience

2019 - 2023

Crop Research Institute Prague
Member of team Genetics and Breeding Methods, focusing on crop resistance to fungal pathogens
○ *Laboratory work including isolating plant and fungal DNA, RNA, running PCR, KASP markers, electrophoresis, reverse transcription, preparing samples for sequencing, etc.*
○ *Work in the field and greenhouse including disease resistance trials, rating, inoculation of plants, multiplication of inoculum*
○ *Analysis and visualisation of data including high-throughput sequencing data in Linux software and R statistical software, image analysis of disease severities*
○ *Writing, presenting, and publishing results*

2018

eAgronom Farm Management s.r.o.
Sales representative
○ *Acquiring new customers - selling agricultural management software*
○ *Account management, organizing trainings, seminars*

Education

2019 - 2023

Czech University of Life Sciences - Faculty of Tropical AgriSciences
Department of Crop Sciences and Agroforestry
○ *PhD study program with dissertation topic focused on resistance to stem rust of wheat, defense planned for autumn 2023*
○ *Program included courses on plant pathology, data analysis, and own teaching activities*
○ *Incl. a 2 month internship at Aarhus University, Dept. of Agroecology, Denmark*

- 2016

Czech University of Life Sciences - Faculty of Tropical AgriSciences
Tropical Crop Management and Ecology
○ *MsC program in English, diploma thesis focusing on quantifying agroforestry in Czech Republic*

- 2014

Czech University of Life Sciences - Institute of Tropical Agriculture
Agriculture of Tropics and Subtropics
○ *BsC program, bachelor thesis focusing on utilizing trees on agricultural land in Central Europe*

Skills

Languages
Czech - native speaker
English - daily usage, fluent

PC
Office software (Microsoft Office suite, Google Docs suite), graphical software for image analysis (ImageJ including machine learning solutions, Adobe Photoshop), R statistical software for data analysis and visualization (R Studio with ggplot2 and numerous other packages)

Driver's licence
Type B