

CURRICULUM VITAE

KAREN KÖLZER

Education

PhD in Life Sciences

University of Vienna, 2020–2025

Doctoral Thesis: *“Authenticity of urban honey – specific challenges for palynology and how diversification of methods can overcome them”*

MSc in Botany

University of Vienna, 2015–2019

Master’s thesis: *“Comparative analysis of pollen in honey - Foraging preferences of Austrian honeybee species Apis mellifera carnica and Apis mellifera mellifera”*

Research project: *“Desert flower honey from Israel - tracing the desert with pollen analysis”*

BSc in Biology (with special focus on plant science)

University of Vienna, 2011–2015

Bachelor’s thesis: *“Vegetationsaufnahme im Eichen-Hainbuchen-Wald auf der Pertcholdsdorfer Heide bei Wien“*

International study experience

Arava Institute for Environmental Studies, Kibbutz Ketura, Israel, 2016–2017

Secondary education

AHS Ödenburgerstraße 74, 1210 Vienna, Austria, 2002–2010

Primary education

VS Jochbergengasse 1, 1210 Vienna, Austria, 1998–2002

Research experience

Medical University of Vienna, Austria

May 2024 – now, research assistant at Pollenservice Wien, Institute for Otolaryngology Head- and Neck Surgery, Währingerstraße 18-20, 1090 Vienna

AGES (Austrian Agency for Health and Food Safety), Austria

December 2020 – March 2021, Independent contract as reviewer for the database transfer PONET to *PalDat*

AGES (Austrian Agency for Health and Food Safety), Austria

Research Intern, May – November 2019

Department of Apiculture and Bee Protection, Spargelfeldstraße 191, 1220 Vienna

Research project: Pollen and NGS (preliminary study with unifloral honey to evaluate molecular methods with microscopic results)

Dead Sea and Arava Science Center, Israel

Research Intern, September 2016 – January 2017

Hub St., Hevel Eilat Regional Council, 8882000 Yotvata

Project: Measuring physiological stress in three native *Acacia* species with the help of Normalized Difference Vegetation Index (NDVI)

Special research interests

Applied Palynology

Pollen analysis

Aerobiology

Phenology

Honeybee Products

Urban vegetation

Climate-adapted planting

Academic memberships

Active member of 'AutPal - Society for the Promotion of Palynological Research in Austria'