

# Curriculum Vitae Dr. Franziska Zemmer

## CURRENT

Researcher at **Fondazione Edmund Mach, Environmental Botany Unit and the National Biodiversity Future Center**

Teaching staff in Science didactics · LM-85 bis Education at **Free University of Bolzano**

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Key words: AEROBIOLOGY, ALLERGOLOGY, FLORISTICS, NATURE CONSERVATION, NATURA2000, SCIENCE DIDACTICS

## FORMATION

2022 PhD Universidad de Córdoba, Spain in Natural Resources and Sustainable Management

2010 Diploma MSc in Biology, Fatih University, Istanbul, Turkey

(University closed by the government by Delegated Legislation Nr. 667)

2005 Cambridge University CELTA (Certificate in English Language Teaching to Adults)

2001 Diploma Mag. rer. nat. in Biology Botany, Innsbruck University, Austria

## POSITIONS

- since March 23 Researcher at Fondazione Edmund Mach, Environmental Botany Unit  
since 2019 Teaching staff in Science didactics · LM-85 bis Education at Free University of Bolzano  
Supervision of a Master Thesis (2023):  
„Einfluss des Unterrichts auf die Schülervorstellungen im Bereich der Naturwissenschaften: Untersuchung von Prä- und Postkonzepten zum Begriff Honigbiene in der Grundschulunterstufe“  
Free lance Biologist
- since 2008  
June 2017- Speaker for Nature and Environment at Alpenverein Südtirol  
July 2018  
March-June Teacher in Landscape Management and Forestry at the agricultural high  
2017 school Fachoberschule für Landwirtschaft, Auer (Italy)  
2014 – June International Projects Coordination at Fatih University Technology Transfer  
2016 Office  
2006 - 2014 Lecturer Fatih University English Preparatory School  
2002-2004 Researcher at the Museum of Natural Sciences in Bolzano (Italy)

## GRANTS

- Registration fee grant for ESA 6th European Symposium on Aerobiology from 18 to 22 July 2016 in Lyon, France.  
Poster Grant for the XXII. National Allergy and Clinical Immunology Congress, Antalya (XXII. Ulusal Allerji ve Klinik İmmünoloji Kongresi)  
COST Action FA1203 Trainee Grant 8<sup>th</sup> Advanced Aerobiology Course 2015  
Fatih University Scientific Research Fund *Trends in atmospheric pollen counts in Western Turkey* (No: P50031502\_B) (PhD student) 2015-2016  
Fatih University Scientific Research Fund *Establishment of a pollen monitoring Station Fatih University*, (No: P50030702) (MS student) 2007-2009

## PUBLICATIONS

### Book chapters

- ZEMMER F.** (2023) Natur im Wandel. In: Heimatpflegeverein Margreid (Ed.), Margreid durch die Jahrhunderte. Athesia. ISBN 978-88-6839-686-2, pp. 58-77
- ZEMMER F. & OZKARAGOZ F.** (2022). Aerobiology in the clinics of pollen allergy. In: Ö. Özdemir (Ed.), *Allergic Disease - New Developments in Diagnosis and Therapy*. IntechOpen. ISBN 978-1-80356-846-1 DOI: 10.5772/intechopen.107311
- ZEMMER F.,** (2018). Von den Alpengärten zum Referat für Natur und Umwelt. Forschung und Naturschutz im Alpenverein. In: 150 Jahre Alpenverein in Südtirol, (pp. 188-195). Bozen, Italy: Alpenverein Südtirol. ISBN 978-88944018-0-6

### Journal articles Science citation

- ZEMMER F., DAHL A., GALAN C.** (2022). The duration and severity of the allergenic pollen season in Istanbul, and the role of meteorological factors. Accepted for publication in *Aerobiologia* on 02.02.2022 DOI: 10.1007/s10453-022-09742-x
- ZEMMER F., CENK E., DAHL A., GALAN C., & OZKARAGOZ F.** (2021). A multidisciplinary approach of outdoor aeroallergen selection for skin prick testing in the geographical area of Greater Istanbul. *European Annals of Allergy and Clinical Immunology*. <https://doi.org/10.23822/EurAnnACI.1764-1489.188>
- SIKOPARIJA B., GALA'N C., SMITH M., EAS QC WORKING GROUP.** (2017) Pollen-monitoring: between analyst proficiency testing. *Aerobiologia*, DOI: 10.1007/s10453-016-9461-3
- ZEMMER F., KARACA F., OZKARAGOZ F.,** (2012). Ragweed pollen observed in Turkey: Detection of sources using back trajectory models. *Science of the Total Environment*.

### Peer reviewed

- WILHALM T., SPOEGLER E., TRATTER W., SOLVA E., LEITNER G., AICHNER G., HOLZER B., BACHMANN R., FUNDNEIDER A., MERLI M., **ZEMMER F.**, KOEGL C., HILPOLD A., STOCKNER W., EBERT M., GEURDEN JN., MALLAUN, PROSSER F., ROHWEDER F. & SCHWEIGKOFLENER, H. (2023). Ergänzungen und Korrekturen zum Katalog der Gefäßpflanzen Südtirols (11) *Gredleriana* 23, pp. 33-43 [https://www.zobodat.at/pdf/Gredleriana\\_017\\_0029-0038.pdf](https://www.zobodat.at/pdf/Gredleriana_017_0029-0038.pdf)
- MAIR P., FALTNER F., TRATTER W. & **ZEMMER F.** (2023. ) Neue und bemerkenswerte Moosfunde für Südtirol (Provinz Bozen, Italien). III. *Gredleriana* 23, pp.17-26
- WILHALM T., BACHMANN R., HILPOLD A., LEITNER G., SPÖGLER E., DA POZZO, M., HACKHOFER J., SÖLVA E., STOCKNER W., **ZEMMER F.**, AICHNER G., FUNDNEIDER C., et al. (2021). Ergänzungen & Korrekturen zum Katalog der Gefäßpflanzen Südtirols (10). *Gredleriana* 21, 49-76 <https://doi.org/10.5281/zenodo.5592357>
- WILHALM T., SPÖGLER E., HACKHOFER J., **ZEMMER F.**, ... TRATTER W. (2020). Ergänzungen und Korrekturen zum Katalog der Gefäßpflanzen Südtirols (9). *Gredleriana* 20, 29-55 <https://doi.org/10.5281/ZENODO.4245024>
- WILHALM TH., AICHNER G., ARGENTI C.,...**ZEMMER F.**, (2018) Ergänzungen und Korrekturen zum Katalog der Gefäßpflanzen Südtirols (8) *Gredleriana* 18, 5-16. [https://www.zobodat.at/pdf/Gredleriana\\_018\\_0005-0016.pdf](https://www.zobodat.at/pdf/Gredleriana_018_0005-0016.pdf)
- ZEMMER F.** (2014). Update on airborne ragweed monitored in Istanbul, Third International Ragweed Conference, Rho (MI), Italy, *GEA Giornale Europeo di Aerobiologia - European Journal of Aerobiology and Environmental Medicine*
- ZEMMER F.** (2006). Flora der Entwässerungsgräben im Südtiroler Etschtal (Provinz Bozen, Italien). *Gredleriana* 6, 199 - 230. [https://www.zobodat.at/publikation\\_articles.php?id=142545](https://www.zobodat.at/publikation_articles.php?id=142545)
- MAIR P. & **ZEMMER F.** (2004). Vegetationskundliche Untersuchungen an der Etsch zwischen Meran und Salurn (Südtirol). *Gredleriana* 4: 19 - 54. [https://www.zobodat.at/publikation\\_articles.php?id=142499](https://www.zobodat.at/publikation_articles.php?id=142499)

WILHALM T., ZEMMER F., BECK R., STOCKNER W. & TRATTER W. (2004). Vascular plants new to the flora of South Tyrol (Prov. of Bolzano, Italy): Results of floristic mapping, mainly from the period 2002-2003. *Gredleriana* 4 (in German)

PROCEEDINGS	Last five years
01.-05.07.2024	<b>Zemmer F.</b> , Cristofori A., Cristofolini F., Gottardini E., Plant-related Biodiversity in the Alpine Air: a Review. World Aerobiology Congress, Vilnius
20.-22.05.2024	<b>Zemmer F.</b> , Cristofori A., Cristofolini F., Gottardini E., Detection and analysis of the primary biogenic aerosol in alpine environments. <i>Forum Nazionale della Biodiversità, Università degli Studi Palermo (Poster)</i>
19.01.2024	<b>Zemmer F.</b> , Biodiversität liegt in der Luft: Die Beziehung zwischen Pollenflug und Vegetation im alpinen Bereich. <i>Naturmuseum Südtirol</i> (invited talk)
09.-11.03.2024	<b>Zemmer F.</b> , Cristofori A., Cristofolini F., Gottardini E., Assessing the biodiversity in the air: First approaches in an alpine environment. <i>Cambiamento della biodiversità nell'Antropocene, Fano Marine Center, Italy (Poster)</i> 19.01.2024
11.09.2024	<b>Zemmer F.</b> , Cristofori A., Cristofolini F., Gottardini E., Specie endemiche nell'aerobioma? Studi aerobiologici e vegetazionali-floristici in quattro siti alpini del Trentino. <i>3° Workshop di botanica, Fondazione Museo Civico, Rovereto (Poster)</i>
03.04.2023	<b>Zemmer F.</b> Potentials of aerobiology in detecting alien species, NBFC Workshop Specie Aliene Spoke 3 <i>Identify invasive alien species and evaluate their impact on autochthonous species, Unimore (Presentation)</i>
04.-05.05.2022	<b>Zemmer F.</b> , Was wissen Grundschulkinder der Unterstufe über die Honigbiene? <i>Multilab von Bienen bis zu Bärtierchen: Ideen für den naturwissenschaftlichen Unterricht, Free University of Bolzano (Invited presentation)</i>
16-20.11.2020	<b>Zemmer F.</b> , Evren C., Dahl A., Galán C., Ozkaragoz F., Inhalant Allergen Sensitization and Symptoms in Istanbul. <i>7th ESA European Symposium on Aerobiology, University of Córdoba, Spain virtual edition. (Presentation)</i>
03.-04.09.2020	<b>Zemmer F.</b> , Surveying the glacial-relict <i>Carex maritima</i> Gunn. on the Sciliar (Bolzano Province, Italy) <i>Tagung Zoologisch-Botanische Forschung in Südtirol, Bolzano, Italy DOI: 10.13140/RG.2.2.15851.36647 (Poster)</i>
LANGUAGES	German first language, Italian (C1), English, (C1), Turkish (A2), Spanish (A1)
AFFILIATIONS	
since July 2024	Committee member of the European Aerobiology Society (EAS)
2016 - present	Scientific Board of Alergoprofil <a href="http://www.alergoprofil.pl/">http://www.alergoprofil.pl/</a>
2013 - present	European Aerobiology Society (EAS)
2008 - present	National Order of Italian Biologists (ONB), since 2021 member of working group environment
2002 - present	Biologists Association of South Tyrol (VSB)