

Curriculum Vitae

Dr. Franziska ZEMMER

CURRENT

Environmental Biologist, Teaching Staff at Unibz

https://www.researchgate.net/profile/Franziska_Zemmer

<https://scholar.google.it/citations?user=ectgJ7gAAAAJ&hl=en>

Key words: AEROBIOLOGY, FLORISTICS, NATURE CONSERVATION, MINT 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

March 2023 – February 2025	Researcher at Fondazione Edmund Mach (TN), Research and Innovation Centre, Environmental Botany Unit
2019 – present	Teaching staff in MINT didactics at Free University of Bolzano
June 2017- July 2018	Speaker for Nature and Environment at Alpenverein Südtirol
March-June 2017	Teacher in Landscape Management and Forestry at the agricultural high school Fachoberschule für Landwirtschaft, Auer (Italy)
2014 – June 2016	International Projects Coordinator at Fatih University Technology Transfer Office
2006 - 2014	Lecturer Fatih University English Preparatory School
2003 - present	Freelance Environmental Biologist in Italy
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 8th Advanced Aerobiology Course (800 Euro) 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 chapter

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 (2023). 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

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., Cristofori A., Cristofolini F., Gottardini E. (2024). Aerobiology in Alpine Environments: Exploring Pollen Biodiversity and its Impacts on Human Health. *The Science of The Total Environment* 955(3):176908 DOI:10.1016/j.scitotenv.2024.176908

Zemmer F., Dahl A., Galan C. (2022). The duration and severity of the allergenic pollen season in Istanbul, and the role of meteorological factors. *Aerobiologia* 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

Peer reviewed

Wilhelm T., Spöegler 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. & Schweigkofler, H. (2024). Ergänzungen und Korrekturen zum Katalog der Gefäßpflanzen Südtirols (11) *Gredleriana* 25, pp. 15-45 DOI: 10.5281/zenodo.13906798 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

Wilhelm T., Bachmann R., Hilpold A., Leitner G., Spöegler 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>

Wilhelm 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>

Wilhelm 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

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

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

PROCEEDINGS

Last five years

22.-23.11.2024

Zemmer F., Cristofori A., Cristofolini F., Gottardini E. The air as a means to assess plant biodiversity in Alpine environments. *EUBIRECO 2024 Euregio Biodiversity Research Conference Tyrol, South Tyrol, Trentino* <https://hdl.handle.net/10449/87618>

21.11.2024

Zemmer F., Cristofori A., Cristofolini F., Gottardini E. Studio aerobiologico in ambiente alpino. *Workshop POLLnet 2024. Fondazione Edmund Mach, San Michele all'Adige (TN)* <https://openpub.fmach.it/handle/10449/84217>

21.-27.07.2024

Zemmer F., Cristofori A., Cristofolini F., Gottardini E., Endemic species in the aerobiome? Evidence from floristic and aerobiological studies in the Italian Alps. *XX International Botanical Congress, Madrid (Presentation)*

01.-05.07.2024

Zemmer F., Cristofori A., Cristofolini F., Gottardini E., Plant-related Biodiversity in the Alpine Air: a Review. *World Aerobiology Congress, Vilnius*

Cristofori A., Girardi M., Micheletti D., **Zemmer F.**, Gottardini E., Airborne Environmental DNA and the Unraveling of Terrestrial Plant Biodiversity. *World Aerobiology Congress, Vilnius (Presentation)*

LANGUAGES

German (native), Italian (native), English, (TOEFL 109), Turkish (fluent), Spanish (basics)

AFFILIATIONS

- 2016-present Scientific Board of Alergoprofil <http://www.alergoprofil.pl/>
- 2014 - present International Ragweed Society (IRS)
- 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)