

Curriculum Vitae Dr. Franziska Zemmer

CURRENT

Teaching staff and environmental consultant

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

Citations: (Google Scholar)

OrCiD: <https://orcid.org/0000-0002-9078-4683>

SCOPUS: 55224606600

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

QUALIFICATIONS

- 04.02.2025 Iscrizione nel registro degli esperti in materia "paesaggio" della Provincia autonoma di Bolzano-Alto Adige (art. 9, LP 10. luglio 2018)
- 17.05.2021 Iscrizione nel registro esperti in materia "natura" della Provincia autonoma di Bolzano-Alto Adige (art. 9, LP 10. luglio 2018)
- 07.06.2022 Doctor of Science, Universidád de Córdoba, Spain in Sustainable Natural Resource Management
- 27.05.2005 Cambridge University CELTA (Certificate in English Language Teaching to Adults)
- 17.12.2002 State Exam for Biologists (Italy)
- 06.11.2001 Mag. rer. nat. Biology (botany and phytomedicine), Innsbruck University, Austria recognized as Laurea in Scienze biologiche by the Free university of Bolzano, Italy

POSITIONS

- 01.03.23- Researcher at Fondazione Edmund Mach, Research and Innovation Centre, Environmental Botany Unit, San Michele and the National Biodiversity Future Centre (NBFC)
- 28.02.25 since 19 Teaching staff in Science didactics at 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“
- since 08 Freelance Environmental Biologist: habitat assessments, floristic cartography, screenings, consultancies, science didactics
- 06.17- 07.18 Teacher in Landscape Management and Forestry at the agricultural high school Fachoberschule für Landwirtschaft, Auer (Italy)
- 03-06.17 10.14-05.16 International Projects Coordination at Fatih University Technology Transfer Office
- 06 -14 Lecturer Fatih University English Preparatory School
- 02-04 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 th Advanced Aerobiology Course 2015 Fatih University Scientific Research Fund <i>Trends in atmospheric pollen counts in Western Turkey</i> (No: P50031502_B) (PhD student) 2015-2016 Fatih University Scientific Research Fund <i>Establishment of a pollen monitoring Station Fatih University</i> , (No: P50030702) (MS student) 2007-2009
PUBLICATIONS	
Book chapters	Zemmer F. (2023) Natur im Wandel. In: Heimatpflegeverein Margreid (Ed.), <i>Margreid durch die Jahrhunderte</i> . 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.), <i>Allergic Disease - New Developments in Diagnosis and Therapy</i> . 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: <i>150 Jahre Alpenverein in Südtirol</i> , (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 https://doi.org/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. <i>Aerobiologia</i> 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. <i>European Annals of Allergy and Clinical Immunology</i> . 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. <i>Aerobiologia</i> , 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. <i>Science of the Total Environment</i> .
Peer reviewed	Wilhalm T., Spögler E., Zemmer F. , Sölva E., Stifter S., Faltner F., Larcher M., Leitner G., Tratter W., Winkler J., Lorenz R., Aichner G., Bachmann R. †, Ebert M., Fink M., Frener G., Gibitz L., Hilpold A., Holzer B., Kiebacher T., Lanthaler A., Mair W., Mair P., Merli M., Obrist E., Rinner A., Wirth H. (2024) Ergänzungen und Korrekturen zum Katalog der Gefäßpflanzen Südtirols (12) <i>Gredleriana</i> 25, pp. DOI: 10.5281/ zenodo.13906798 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. & Schweikofler, H. (2023). Ergänzungen und Korrekturen zum Katalog der Gefäßpflanzen Südtirols (11) <i>Gredleriana</i> 23, pp. 33-43 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) Gredlerina 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

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

05.-07.06.2025

Zemmer, F.; Cristofori, A.; Cristofolini, F.; Gottardini, E. (2025) Airborne pollen as an indicator of global change in Alpine ecosystems
In: International scientific conference "Alpine Flora: Biodiversity and Conservation, Cogne (Aosta), 05.-07.06.2025

https://www.pnpgp.it/sites/default/files/documenti/book_abstracts.pdf

21.11.2024

Zemmer, F.; Cristofori, A.; Cristofolini, F.; Gottardini, E. (2024). Studio aerobiologico in ambiente alpino. In: Workshop POLLnet 2024 Il monitoraggio aerobiologico: qualità dei dati, valorizzazione e innovazione, San Michele all'Adige (TN), 21 novembre 2024: 18-19. handle: <https://hdl.handle.net/10449/84217>

22.-23.11.2024

Zemmer, F.; Cristofori, A.; Cristofolini, F.; Gottardini, E. (2024). The air as a means to assess plant biodiversity in Alpine environments. In: EUBIRECO 2024: Euregio Biodiversity Research Conference 2024, Bolzano, 22-23 novembre 2024. Bolzano: Naturmuseum Südtirol: 40-41. url:
<https://www.natura.museum/it/mostre-eventi/appuntamenti-e-visite-tematiche/convegni/eubireco24/> handle: <https://hdl.handle.net/10449/87618>

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. <i>XX International Botanical Congress, Madrid (Presentation)</i>
01.-05.07.2024	Cristofori A., Girardi M., Micheletti D., Zemmer F. , Gottardini E., Airborne Environmental DNA and the Unraveling of Terrestrial Plant Biodiversity. <i>World Aerobiology Congress, Vilnius (Presentation)</i>
20.-22.05.2024	Zemmer F. , Cristofori A., Cristofolini F., Gottardini E., Plant-related Biodiversity in the Alpine Air: a Review. <i>World Aerobiology Congress, Vilnius (Presentation)</i>
	Zemmer F. , 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	Zemmer F. , Biodiversität liegt in der Luft: Die Beziehung zwischen Pollenflug und Vegetation im alpinen Bereich. <i>Naturmuseum Südtirol (invited talk)</i>
09.-11.03.2024	Zemmer F. , 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>
11.09.2024	19.01.2024 Zemmer F. , 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	Zemmer F. , 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	Zemmer F. , 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	Zemmer F. , 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	Zemmer F. , 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 http://www.alergoprofil.pl/
2013 - present	European Aerobiology Society (EAS)
2008 - present	National Federation of Italian Biologists (FONB), since 2021 member of working group environment
2002 - present	Biologists Association of South Tyrol (VSB)