

Curriculum Vitae of FRANCESCA PITTINO

Personal information

First name: FRANCESCA Last name: PITTINO
E-mail: francesca.pittino@unimib.it
[Scholar Profile](#) [Scopus Profile](#)

Education and work experience

✓ **June 2023 – PRESENT**

Assistant Professor in the Laboratory of Environmental Microbiology, Department of Earth and Environmental Sciences, University of Milano-Bicocca (Italy)

✓ **September 2021 – May 2023**

Post-Doc in the Biodiversity and Conservation Biology group, Swiss Federal Institute for Forest, Snow and Landscape Research WSL, Birmensdorf (Switzerland)

✓ **November 2020 – August 2021**

Research fellow in the Laboratory of Environmental Microbiology, Department of Earth and Environmental Sciences, University of Milano-Bicocca (Italy)

✓ **November 2017 - April 2021**

PhD in Environmental Science at University of Milano-Bicocca. Title of the thesis: “Supraglacial ecosystems: ecological role and anthropogenic impact”

✓ **September 2016-October 2017**

Research fellow at University of Milano-Bicocca (Milano) in the Microbiology lab at the Department of Earth and Environmental Sciences (DISAT).

✓ **October 2014–July 2016**

Master degree in “Biology”. University of Milano-Bicocca (Milano), Italy (110/110 *cum laude*).
Title of Master Thesis: “Microbiome characterization of cryoconite holes of the Forni glacier (Ortles-Cevedale group) and evaluation of its role in chlorophyll degradation”.

✓ **October 2010 – September 2014**

Bachelor degree in “Biology”. University of Milano-Bicocca (Milano), Italy.
Title of Bachelor Thesis: “Climate influence and density dependence in a *Capra ibex* population”.

Publications:

- 1. Insights into cryoconite community dynamics on the alpine glacier throughout the ablation season.** T. Novotna-Jaromerska, R. Ambrosini, D. Richter, M. Pietryka, P. Niedzielski, J. Souza-Kasprzyk, P. Klimaszuk, A. Franzetti, F. Pittino, L. Vondrovicova, A. Senese, K. Zawierucha. *Ecology and Evolution* - In Production - <https://doi.org/10.1002/ece3.71064>
- 2. Lithic bacterial communities: ecological aspects focusing on Tintenstrich communities.** F. Pittino, S. Fink, J. Oliveira, E. M.-L. Janssen, C. Scheidegger. *Frontiers in Microbiology* 15 (1430059) - 2024 <https://doi.org/10.3389/fmicb.2024.1430059>
- 3. Microbiomes of urban trees: unveiling contributions to atmospheric pollution mitigation.** I. Gandolfi, C. Canedoli, A. Rosatelli, S. Covino, D. Cappelletti, B. Sebastiani, V. Tatangelo, D. Corengia, F. Pittino, E. Padoa-Schioppa, X. Báez-Matus, L. Hernández, M. Seeger, Z. Saati-Santamaría, P. García-Fraile, R. López-Mondéjar, R. Ambrosini, M. Papacchini, A. Franzetti. *Frontiers in Microbiology* 15 (1470376) - 2024 <https://doi.org/10.3389/fmicb.2024.1470376>
- 4. Isotopic signature of plutonium accumulated in cryoconite on glaciers worldwide.** E. Łokas, G. Baccolo, A. Crosta, A. Cwanek, J. Buda, K. Kołtonik, N. Takeuchi, P. Wachniew, C. Clason, K. Zawierucha, D. B. Beard, R. Ambrosini, F. Pittino, A. Franzetti, P. N. Owens, M. Nastasi, M. Sisti, B. Di Mauro. *Science of the Total Environment*, 954 (175356) - 2024 <https://doi.org/10.1016/j.scitotenv.2024.175356>
- 5. Ecological interactions in glacier environments: a review of studies on a model Alpine glacier.** A. Crosta, B. Valle, M. Caccianiga, M. Gobbi, F. Ficetola, F. Pittino, A. Franzetti, R. S.

- Azzoni, V. Lencioni, A. Senese, L. Corlatti, J. Buda, E. Poniecka, T. Novotná Jaroměřská, K. Zawierucha, R. Ambrosini. *Biological Reviews*, 100 - 2024 <https://doi.org/10.1111/brv.13138>
6. **The development of terrestrial ecosystems emerging after glacier retreat.** G. F. Ficetola, S. Marta, A. Guerrieri, I. Cantera, A. Bonin, S. Cauvy-Fraunié, R. Ambrosini, M. Caccianiga, F. Anthelme, R. S. Azzoni, P. Almond, P. Alviz Gazitúa, J. L. Ceballos Lievano, P. Chand, M. Chand Sharma, J. J. Clague, J. A. Cochachín Rapre, C. Compostella, R. Cruz Encarnación, O. Dangles, P. Deline, A. Eger, S. Erokhin, A. Franzetti, L. Gielly, F. Gili, M. Gobbi, S. Hågvær, R. Kaufmann, N. Khedim, R. Isela Meneses, M. A. Morales-Martínez, G. Peyre, F. Pittino, A. Proietto, A. Rabatel, K. Sieron, L. Tielidze, N. Urseitova, Y. Yang, V. Zaginaev, A. Zerboni, A. Zimmer, G. A. Diolaiuti, P. Taberlet, J. Poulénard, D. Fontaneto, W. Thuiller, A. Carteron. *Nature*, 632 - 2024 <https://doi.org/10.1038/s41586-024-07778-2>
 7. **The surface of small glaciers as radioactive hotspots: Concentration of radioisotopes during predicted intensive melting in the Alps.** J. Buda, S. Błazej, R. Ambrosini, R. Scotti, F. Pittino, D. Sala, K. Zawierucha, E. Łokas. *Journal of Hazardous Materials* 476 (135083) – 2024 <https://doi.org/10.1016/j.jhazmat.2024.135083>
 8. **Global variability and controls on the accumulation of fallout radionuclides in cryoconite.** C. C. Clason, G. Baccolo, E. Łokas, P. N. Owens, P. Wachniew, G. E. Millward, A. Taylor, W. H. Blake, D. B. Beard, E. Poniecka, N. Selmes, E. A. Bagshaw, J. Cook, R. Fyfe, M. Hay, D. Land, N. Takeuchi, M. Nastasi, M. Sisti, F. Pittino, A. Franzetti, R. Ambrosini, B. Di Mauro. *Science of The Total Environment*, 894 (164902) – 2023 <https://doi.org/10.1016/j.scitotenv.2023.164902>
 9. **The importance of species addition versus replacement varies over succession in plant communities after glacial retreat.** I. Cantera, A. Carteron, A. Guerrieri, S. Marta, A. Bonin, R. Ambrosini, F. Anthelme, R. S. Azzoni, P. Almond, P. Alviz Gazitúa, S. Cauvy-Fraunié, J. L. Ceballos Lievano, P. Chand, M. Chand Sharma, J. Clague, J. A. Cochachín Rapre, C. Compostella, R. Cruz Encarnación, O. Dangles, A. Eger, S. Erokhin, A. Franzetti, L. Gielly, F. Gili, M. Gobbi, S. Hågvær, N. Khedim, R. Isela Meneses, G. Peyre, F. Pittino, A. Rabatel, N. Urseitova, Y. Yang, V. Zaginaev, A. Zerboni, A. Zimmer, P. Taberlet, G. A. Diolaiuti, J. Poulénard, W. Thuiller, M. Caccianiga, G. F. Ficetola. *Nature Plants*, 10 – 2023 <https://doi.org/10.1038/s41477-023-01609-4>
 10. **Dynamics and drivers of mycorrhizal fungi after glacier retreat.** A. Carteron, I. Cantera, A. Guerrieri, S. Marta; A. Bonin, R. Ambrosini; F. Anthelme, R. Azzoni, P. Almond, P. Alviz Gazitúa, S. Cauvy-Fraunié, J. L. Ceballos Lievano, P. Chand, M. Chand Sharma, J. Clague, J. Cochachín Rapre, C. Compostella, R. Cruz Encarnación, O. Dangles, A. Eger, S. Erokhin, A. Franzetti, L. Gielly, F. Gili, M. Gobbi, S. Hågvær, N. Khedim, R. Meneses, G. Peyre, F. Pittino, A. Rabatel, N. Urseitova, Y. Yang, V. Zaginaev, A. Zerboni, A. Zimmer, P. Taberlet, G. A. Diolaiuti, J. Poulénard, W. Thuiller, M. Caccianiga, G. F. Ficetola. *New Phytologist*, 242 – 2023 <https://doi.org/10.1111/nph.19682>
 11. **Local climate modulates the development of soil nematode communities after glacier retreat.** A. Guerrieri, I. Cantera, S. Marta, A. Bonin, A. Carteron, R. Ambrosini, M. Caccianiga, F. Anthelme, R. S. Azzoni, P. Almond, P. Alviz Gazitúa, S. Cauvy-Fraunié, J. L. Ceballos Lievano, P. Chand, M. Chand Sharma, J. Clague, J. A. Cochachín Rapre, C. Compostella, R. Cruz Encarnación, O. Dangles, P. Deline, A. Eger, S. Erokhin, A. Franzetti, L. Gielly, F. Gili, M. Gobbi, S. Hågvær, N. Khedim, R. Isela Meneses, G. Peyre, F. Pittino, A. Proietto, A. Rabatel, N. Urseitova, Y. Yang, V. Zaginaev, A. Zerboni, A. Zimmer, P. Taberlet, G. A. Diolaiuti, J. Poulénard, D. Fontaneto, W. Thuiller, G. F. Ficetola. *Global Change Biology*, 30 (e17057) – 2023 <https://doi.org/10.1111/gcb.17057>
 12. **Unveiling threats to glacier biota: Bioaccumulation, mobility, and interactions of radioisotopes with key biological components.** J. Buda, E. Łokas, S. Błazej, K. Gorzkiewicz, K. Buda, R. Ambrosini, A. Franzetti, F. Pittino, A. Crosta, P. Klimaszys, K. Zawierucha. *Chemosphere*, 348 (140738), 2023
 13. **Uncovering the bathyal prokaryotic diversity of the Kuril-Kamchatka Trench.** S. Gorrasi, A. Brandt, F. Pittino, A. Franzetti, M. Pasqualetti, B. Muñoz-Palazon, G. Novello, M. Fenice. *JSME*, 11 (2145) – 2023 <https://doi.org/10.1016/j.chemosphere.2023.140738>

14. **Heterogeneous changes of soil microclimate in high mountains and glacier forelands.** S. Marta, A. Zimmer, M. Caccianiga, M. Gobbi, R. Ambrosini, R. Azzoni, F. Gili, F. Pittino, W. Thuiller, A. Provenzale, F. Fiketola. *Nature communications*, 14 (5306), 2023 <https://doi.org/10.1038/s41467-023-41063-6>
15. **Global variability and controls on the accumulation of fallout radionuclides in cryoconite.** C.C. Clason, G. Baccolo, E. Łokas, P. N. Owens, P. Wachniew, G. E. Millward, A. Taylor, W. H. Blake, D. B. Beard, E. Poniecka, N. Selmes, E. A. Bagshaw, J. Cook, R. Fyfe, M. Hay, D. Land, N. Takeuchi, M. Nastasi, M. Sisti, F. Pittino, A. Franzetti, R. Ambrosini, B. Di Mauro. *Science of the Total Environment*, 894 (164902) – 2023 <https://doi.org/10.1016/j.scitotenv.2023.164902>
16. **Functional and Taxonomic Diversity of Anaerobes in Supraglacial Microbial Communities.** F. Pittino, K. Zawierucha, E. Poniecka, J. Buda, A. Rosatelli, S. Zordan, R. S. Azzoni, G. Diolaiuti, R. Ambrosini, A. Franzetti. *Microbiology Spectrum*, 11 (e01004-22) - 2023 <https://doi.org/10.1128/spectrum.01004-22>
17. **Geographical variability of bacterial communities of cryoconite holes of Andean glaciers.** F. Pittino, R. Ambrosini, M. Seeger, R. S. Azzoni, G. Diolaiuti, P. Alviz Gazitua, A. Franzetti. *Scientific Reports*, 13 (2633) -2023. <https://doi.org/10.1038/s41598-022-24373-5>
18. **Impact of anthropogenic contamination on glacier surface biota.** F. Pittino and J. Buda, R. Ambrosini, M. Parolini, A. Crosta, K. Zawierucha, A. Franzetti. *Current Opinion in Biotechnology* 80 (102900) -2023 <https://doi.org/10.1016/j.copbio.2023.102900>
19. **Microplastic contamination of supraglacial debris differs among glaciers with different anthropic pressures.** A. Crosta, B. De Felice, D. Antonioli, R. Chiarcos, E. Perin, M. A. Ortenzi, S. Gazzotti, R. S. Azzoni, D. Fugazza, V. Gianotti, M. Laus, G. Diolaiuti, F. Pittino, A. Franzetti, R. Ambrosini, M. Parolini. *Science of The Total Environment*, 851 (2) – 2022 <https://doi.org/10.1016/j.scitotenv.2022.158301>
20. **Fungal communities in European alpine soils are not affected by short-term in situ simulated warming than bacterial communities.** C. Sannino, N. Cannone, F. D'Alò, A. Franzetti, I. Gandolfi, F. Pittino, B. Turchetti, A. Mezzasoma, L. Zucconi, P. Buzzini, M. Guglielmin, S. Onofri. *Environmental Microbiology*, 24 (9) - 2022 <https://doi.org/10.1111/1462-2920.16090>
21. **Cryoconite-From minerals and organic matter to bioengineered sediments on glacier's surfaces.** P. Rozwalak, P. Podkowa, J. Buda, P. Niedzielski, S. Kawecki, R. Ambrosini, R. S. Azzoni, G. Baccolo, J. L. Ceballos, J. Cook, B. Di Mauro, G. F. Fiketola, A. Franzetti, D. Ignatiuk, P. Klimaszuk, E. Łokas, M. Ono, I. Parnikoza, M. Pietryka, F. Pittino, E. Poniecka, D. L. Porazinska, D. Richter, S. K. Schmidt, P. Sommers, J. Souza-Kasprzyk, M. Stibal, W. Szczucinski, J. Uetake, L. Wejnerowski, J. Yde, N. Takeuchi, K. Zawierucha. *Science of the Total Environment*, 807 (2) -2021 <https://doi.org/10.1016/j.scitotenv.2021.150874>
22. **The retreat of Mountain Glaciers since the Little Ice Age: A Spatially Explicit Database.** S. Marta, R. S. Azzoni, D. Fugazza, L. Tielidze, P. Chand, K. Sieron, P. Almond, R. Ambrosini, F. Anthelme, P. Alviz Gazitua, R. Bhambri, A. Bonin, M. Caccianiga, S. Cauvy-Fraunié, J. L. Ceballos Lievano, J. Clague, J. A. Cochachin Rapre, O. Dangles, P. Deline, A. Eger, R. Cruz Encarnación, S. Erokhin, A. Franzetti, L. Gielly, F. Gili, M. Gobbi, A. Guerrieri, S. Hagvar, N. Khedim, R. Kinyanjui, E. Messenger, M. A. Morales-Martínez, G. Peyre, F. Pittino, J. Poulenard, R. Seppi, M. Chand Sharma, N. Urseitova, B. Weissling, Y. Yang, V. Zaginaev, A. Zimmer, G. A. Diolaiuti, A. Rabatel, G. F. Fiketola. *Data MDPI*, 6 (106) -2021 <https://doi.org/10.3390/data6100107>
23. **Spatio-temporal Variation of the Bacterial Communities Along a Salinity Gradient within a Thalassohaline Environment (Saline di Tarquinia salterns, Italy).** S. Gorrasi, A. Franzetti, R. Ambrosini, F. Pittino, M. Pasqualetti, M. Fenice *. *Molecules*, 26 (5) - 2021 <https://doi.org/10.3390/molecules26051338>
24. **A hole in the nematosphere: tardigrades and rotifers dominate the cryoconite hole environment, whereas nematodes are missing.** K. Zawierucha, D. L. Porazinska, G. F. Fiketola, R. Ambrosini, G. Baccolo, J. Buda, J. L. Ceballos, M. Devetter, R. Dial, A. Franzetti, U. Fuglewicz, L. Gielly, E. Łokas, K. Janko, T. Jaromerska, A. Koscinski, A. Kozłowska, M. Ono, I.

- Parnikoza, F. Pittino, E. Poniecka, P. Sommers, S. K. Schmidt, D. Shain, S. Sikorska, J. Uetake & N. Takeuchi. *Journal of Zoology* 313 (18-36) - 2020 <https://doi.org/10.1111/jzo.12832>
25. **Early ecological succession patterns of bacterial, fungal and plant communities along a chronosequence in a recently deglaciated area of Italian Alps.** A. Franzetti, F. Pittino, I. Gandolfi, R. S. Azzoni, G. Diolaiuti, C. Smiraglia, M. Pelfini, C. Compostella, B. Turchetti, P. Buzzini, R. Ambrosini. *FEMS Microbiology Ecology*, 96 (10) – 2020 <https://doi.org/10.1093/femsec/fiaa165>
 26. **Vibrio communities along a salinity gradient within a marine saltern hypersaline environment (Saline di Tarquinia, Italy).** S. Gorrasi, M. Pasqualetti, A. Franzetti, F. Pittino, M. Fenice. *Environmental Microbiology*, Special Issue ;22(10) - 2020 <https://doi.org/10.1111/1462-2920.15041>
 27. **Glacier Algae foster ice-albedo feedback in the European Alps.** B. Di Mauro, R. Garzonio, G. Baccolo, A. Franzetti, F. Pittino, B. Leoni, D. Remias, R. Colombo, M. Rossini. *Scientific Reports*, 10 (4739) – 2020 <https://doi.org/10.1038/s41598-020-61762-0>
 28. **First evidence of microplastic contamination in the supraglacial debris of an Alpine glacier.** R. Ambrosini, R. S. Azzoni, F. Pittino, G. Diolaiuti, A. Franzetti, M. Parolini. *Environmental Pollution*, 253 – 2019 <https://doi.org/10.1016/j.envpol.2019.07.005>
 29. **Post-depositional biodegradation processes of pollutants on glacier surface.** F. Pittino, R. Ambrosini, R. S. Azzoni, G. Diolaiuti, S. Villa, I. Gandolfi, A. Franzetti. *Condensed Matter*, 3 (3) -2018 <https://doi.org/10.3390/condmat3030024>
 30. **Bacterial communities of cryoconite holes of a temperate alpine glacier show both seasonal trends and year-to-year variability.** F. Pittino, M. Maglio, I. Gandolfi, R. S. Azzoni, G. Diolaiuti, R. Ambrosini, A. Franzetti. *Annals of Glaciology*, 59 (77) – 2018 <https://doi.org/10.1017/aog.2018.16>
 31. **Bacteria contribute to pesticide degradation in cryoconite holes in an Alpine glacier.** C. Ferrario, F. Pittino, I. Tagliaferri, I. Gandolfi, G. Bestetti, R. S. Azzoni, G. Diolaiuti, A. Franzetti, R. Ambrosini, S. Villa. *Environmental Pollution*, 230 - 2017 <https://doi.org/10.1016/j.envpol.2017.07.039>

Congresses:

1. 18-23/08/2024
Oral presentation – ISME 19 Cape Town
Cryoconite holes: islands into islands
F. Pittino, A. Crosta, R. Ambrosini, F. Ficetola, K. Zawierucha, E. Poniecka, R. S. Azzoni, G. Diolaiuti, A. Franzetti
2. 18-23/08/2024
Poster presentation – ISME 19 Cape Town
Ecological networks in the extreme freshwater environment of an Alpine glacier
R. Ambrosini, F. Pittino, M. Caccianiga, B. Valle, M. Gobbi, A. Franzetti, V. Lencioni, J. Buda, K. Zawierucha, G. F. Ficetola, A. Crosta
3. 19-13/12/2024
Poster presentation, AGU24 – Advancing Earth and Space Science
Biogeochemical Processes on Ice Shelves of the Northern Victoria Land (East Antarctica)
B. Di Mauro, G. Traversa, C. Ravasio, F. Pittino, R. Garzonio, A. Franzetti, M. Plotti, B. Leoni, F. Dory, G. Baccolo, B. Delmonte, E. Di Stefano, D. Massabò, M. Rossini, R. Colombo
4. 12/07/2025
Invited speaker at the Summer meeting of the Italian Glaciological Committee, Bormio
Dynamics of microbial communities in the supraglacial environment
F. Pittino, A. Crosta, R. Ambrosini, A. Franzetti
5. 17-21/06/2024
Short talk, 7th European Congress of Conservation Biology
Can the microbiome help glacial springtails survive?

- F. Pittino, A. Franzetti, A. Crosta, R. Ambrosini, B. De Felice, M. Caccianiga, M. Gobbi, M. Plotti, B. Valle.
6. 17-21/06/2024
Oral presentation, 7th European Congress of Conservation Biology
Ecological networks in an Alpine glacier ecosystem
A. Crosta, F. Pittino, M. Caccianiga, B. Valle, M. Gobbi, A. Franzetti, V. Lencioni, J. Buda, K. Zawierucha, F. G. Fiketola, R. Ambrosini
 7. 17-21/06/2024
Oral presentation, 7th European Congress of Conservation Biology
Diversity of bacterial communities of cryoconite holes in different geographical areas of the world
R. Ambrosini, A. Crosta, F. Pittino, I. Gandolfi, V. Tatangelo, A. Franzetti, R. S. Azzoni, G. F. Fiketola
 8. 05-09/02/2024
Oral presentation, XIX Congresso Nazionale di Scienze Planetarie, Bormio
Extreme environments: cryoconite holes
F. Pittino, R. Ambrosini, G. Diolaiuti, K. Zawierucha, E. Poniecka, R. S. Azzoni and A. Franzetti
 9. 05-09/02/2024
Poster presentation, XIX Congresso Nazionale di Scienze Planetarie, Bormio
Bacterial and algal communities of cryoconite, differences between Antarctica and three Alpine glaciers (Morteratsch, Forni, and Adamello)
M. Plotti, D. Giovannelli, A. Franzetti, B. Leoni, R. Ambrosini, A. Crosta, G. Traversa, G. Diolaiuti, B. Di Mauro, F. Pittino
 10. 21-24/09/2023
Poster presentation, XXXIV SIMGBM CONGRESS, Cagliari
Cryoconite bacterial community metabolic activity
F. Pittino, K. Zawierucha, E. Poniecka, J. Buda, A. Rosatelli, R. S. Azzoni, G. Diolaiuti, R. Ambrosini, A. Franzetti
 11. 19-23/06/2023
Oral presentation, RAD 2023 Conference Montenegro
Isotopic signatures of plutonium in the global cryosphere
E. Łokas, G. Baccolo, C. Clason, P. Wachniew, N. Takeuchi, K. Zawierucha, D. Beard, R. Ambrosini, F. Pittino, A. Franzetti, P. Owens, A. Cwanek, K. Koltonik
 12. 14-18/11/2022
Oral presentation, MICRO 2022 Lanzarote
Microplastic contamination of supraglacial debris differs among glaciers with different anthropic pressure
A. Crosta, B. De Felice, D. Antonioli, R. Chiarcos, E. Perin, M. A. Ortenzi, R. S. Azzoni, D. Fugazza, L. Michele, V. Gianotti, F. Pittino, A. Franzetti, R. Ambrosini, M. Parolini
 13. 14-19/08/2022
Poster Presentation, ISME18 Lausanne
Unveiling functional and taxonomic diversity of anaerobes in supraglacial microbial communities
F. Pittino, K. Zawierucha, E. Poniecka, J. Buda, R. S. Azzoni, G. Diolaiuti, R. Ambrosini, A. Franzetti
 14. 14-19/08/2022
Poster Presentation, ISME18 Lausanne
Tintenstrich communities on mountain areas in Switzerland
F. Pittino, E. Janssen, J. Oliveira, S. Fink, C. Scheidegger
 15. 26/06/2022-01/07/2022
Oral Presentation, World Biodiversity Forum 22, Davos
Tintenstrich communities in Switzerland
F. Pittino, E. Janssen, J. Oliveira, S. Fink, C. Scheidegger
 16. 24/03/2022

- Oral Presentation, 25th Alpine Glaciology Meeting
Mountain glacier biodiversity show temporal and spatial trends at a global scale
R. Ambrosini, F. Pittino, A. Crosta, D. Fugazza, M. Seeger, R.S. Azzoni, P. Alviz-Gazitua, G. F. Ficetola, G. Diolaiuti, A. Franzetti
17. 24/03/2022
Oral Presentation, 25th Alpine Glaciology Meeting
Occurrence of microplastics on glaciers from Northern and Southern hemisphere
B. De Felice, A. Crosta, F. Pittino, S. Gazzotti, E. Perin, V. Gianotti, D. Antonioli, R. Chiarcos, M. Laus, F. G. Ficetola, G. Diolaiuti, R. Ambrosini, M. Parolini
18. 17-18/02/2022
Poster Presentation, Biology22 in Basel
Cyanobacteria in tintenstrich communities
F. Pittino, E. Janssen, J. Oliveira, S. Fink, C. Scheidegger
19. 8-11/06/2021
Oral presentation 8TH International Symposium on Applied Microbiology and Molecular Biology in Oil Systems
Geological and microbiological characterization of rocks collected from deep and superficial sites for the study of potential underground hydrogen storage sites.
P. Cristiani, A. Franzetti, F. Pittino, R. Castellanza, A. Bistacchi, F. Balsamo, F. Storti
20. 15-26/03/2021
Oral presentation, Alpine Glaciology Meeting 2021
Bacterial communities of cryoconite holes are glacier and sediment specific.
F. Pittino, R. Ambrosini, R.S. Azzoni, G. Diolaiuti, A. Franzetti
21. 19-22/06/2019
Poster presentation, Microbiology 2019, XXXIII SIMGBM Congress
Comparison of bacterial communities of cryoconite holes of different glaciers in the Stelvio National Park.
F. Pittino, R. Ambrosini, R. S. Azzoni, G. Diolaiuti, A. Franzetti
22. 7-12/04/2019
Poster presentation, General assembly 2019 of the European Geosciences Union (EGU)
First evidence of microplastic contamination in the supraglacial debris of an Alpine glacier
R. S. Azzoni, R. Ambrosini, F. Pittino, G. Diolaiuti, A. Franzetti and M. Parolini
23. 13-16/11/2018
Poster presentation, XXIV Latin American Congress of Microbiology (ALAM 2018)
Bacterial Community dynamics in cryoconite holes on Alpine mountain glaciers
F. Pittino, M. Rossi, R. Ambrosini, R. S. Azzoni, I. Gandolfi, G. Diolaiuti, A. Franzetti
24. 14-19/03/2018
Oral presentation, International Symposium on Cryosphere and Biosphere, (International Glaciological Society)
Temporal trends in bacterial communities of cryoconite holes
F. Pittino, M. Maglio, R. S. Azzoni, I. Gandolfi, G. Diolaiuti, R. Ambrosini, A. Franzetti
25. Poster presentation, 6th International Symposium for Research in Protected Areas 2017
Bacterial communities changes in cryoconite on an alpine glacier
F. Pittino, A. Franzetti, F. Navarra, I. Tagliaferri, I. Gandolfi, G. Bestetti, U. Minora, R. S. Azzoni, G. Diolaiuti, C. Smiraglia and R. Ambrosini
26. 17-20/09/2017
Poster presentation, Microbiology 2017 XXXII SIMGBM Congress
Role of bacteria contribute in pollutants biodegradation in Alpine cryoconite holes.
C. Ferrario, F. Pittino, R. S. Azzoni, I. Tagliaferri, I. Gandolfi, G. Bestetti, G. Diolaiuti, A. Franzetti, R. Ambrosini, S. Villa
27. 8-12/09/2017
Oral presentation, 7th international conference on Polar and Alpine Microbiology (PAM)
Biodegradation of pesticides on glaciers

- C. Ferrario, F. Pittino, I. Tagliaferri, I. Gandolfi, G. Bestetti, R. S. Azzoni, G. Diolaiuti, A. Franzetti, R. Ambrosini, S. Villa
28. 9-13/07/2017
Poster presentation, 7th Congress of European Microbiologists (FEMS)
Rates and mechanisms of organophosphorus pesticide biodegradation on glaciers.
T. Stella, C. Ferrario, F. Pittino, I. Tagliaferri, I. Gandolfi, G. Bestetti, R.S. Azzoni, G. Diolaiuti, A. Franzetti, R. Ambrosini, S. Villa
29. 02/02/2017-03/02/2017
Oral presentation 21st Alpine Glaciology Meeting in Zurich.
Biodegradation of pollutants in cryoconite holes on Alpine glaciers.
F. Pittino, C. Ferrario, R. S. Azzoni, I. Tagliaferri, I. Gandolfi, G. Bestetti, G. Diolaiuti, A. Franzetti, R. Ambrosini, S. Villa
30. 25/09/2016-28/09/2016
Oral presentation, Functional Metagenomics International congress 2016, Inderøy, Norway.
The power of light: metagenomics and in situ microcosms reveal that light promotes the growth of heterotrophic bacteria and pollutant biodegradation on glacier surface.
A. Franzetti, C. Ferrario, I. Tagliaferri, F. Pittino, I. Gandolfi, G. Bestetti, U. Minora, C. Mayer, R. S. Azzoni, G. Diolaiuti, C. Smiraglia, R. Ambrosini, S. Villa.
31. 20/09/2016-23/09/2016
Oral presentation, XIV FISV congress, Roma
Light promotes the growth of heterotrophic bacteria and pollutant biodegradation on glacier surface.
A. Franzetti, C. Ferrario, I. Tagliaferri, F. Pittino, I. Gandolfi, G. Bestetti, U. Minora, C. Mayer, R. S. Azzoni, G. Diolaiuti, C. Smiraglia, R. Ambrosini, S. Villa.
32. 30/08/2016-02/09/2016
Oral presentation, Site congress
Ecosystem functions of supraglacial sediments: a metagenomics description.
I. Tagliaferri, C. Ferrario, A. Franzetti, F. Pittino, I. Gandolfi, G. Bestetti, U. Minora, C. Mayer, R. S. Azzoni, G. Diolaiuti, C. Smiraglia, R. Ambrosini, S. Villa

Organizer activities:

1. Co-Organizer of the summer school: Contaminated site remediation with genomics: boosting bioremediation in South America. 20–28 October 2025 | Valparaíso, Chile <https://coming-soon.embo.org/gpc25-03>
2. Member of the steering committee for the Biodiversity Convention - From Science to Implementation - Ascona from the 25th to the 29th of June 2023. https://www.eawag.ch/fileadmin/Domain1/Agenda/2023/div/06/biodiv_program.pdf

Titles:

1. National Scientific Qualification as Associate Professor in Microbiology, Italian Ministry of Education (2024-PRESENT).
2. State exam in biology, University of Parma (2017)