

PERSONAL INFORMATION

Andrea Franzetti



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Sex M | Date of birth 18/07/1974 | Nationality Italian

POSITION

Associate Professor, Microbiology (BIO/19), Università degli Studi di Milano – Bicocca, Dep. Earth and Environmental Sciences (DISAT)

WORK EXPERIENCE

From December 2008 a March 2017

Researcher, General Microbiology (BIO/19)

Università degli Studi di Milano Bicocca, dip. Earth and Environmental Sciences (DISAT), piazza della Scienza, 1 – MILANO - ITALIA

- Research and teaching activities in the field of environmental microbiology

From October 2012 to August 2013

Visiting Scientist

Soderton University di Stoccolma (Svezia), Host: Prof. Sara Sjoling - School of Natural Science, Technology and Environmental Studies

- Research activities in the field of marine microbiology

Da December 2007 to December 2008

Post-doc Research assistant

Università degli Studi di Milano Bicocca, dip. Earth and Environmental Sciences (DISAT), piazza della Scienza, 1 – MILANO - ITALIA

- Research and teaching activities in the field of environmental microbiology

From November 2004 to December 2007

PhD student

Università degli Studi di Milano Bicocca, dip. Earth and Environmental Sciences (DISAT), piazza della Scienza, 1 – MILANO - ITALIA

- Research and teaching activities in the field of environmental microbiology

From September 2005 to June 2006

FEMS Fellow

Ulster University, Coleraine (UK), Host: Prof. Ibrahim Banat - School of Biomedical Sciences

- Research activities in the field of environmental microbiology

From May 2002 to November 2004

Research Fellow

Università degli Studi di Milano Bicocca, dip. Earth and Environmental Sciences (DISAT), piazza della Scienza, 1 – MILANO - ITALIA

- Research and teaching activities in the field of environmental microbiology

From September 2000 to July 2001

Compulsory civil service

Amici della Terra Lombardia onlus, MILANO

- Environmental education at school and touristic villages

EDUCATION AND TRAINING

- 15 December 2007 **PhD in Environmental sciences**
 Università degli Studi di Milano – Bicocca, piazza dell'Ateneo Nuovo, 1 MILANO - ITALIA
 - Research project: "Surface active compounds by Gordonia and their applications in environmental remediation", Tutor: Prof. Giuseppina Bestetti

- March 2001 **University Degree (five years) in Environmental Sciences, grade 110/110**
 Università degli Studi di Milano – Bicocca, piazza dell'Ateneo Nuovo, 1 MILANO – ITALIA

- July 1993 **High School Diploma (Maturità Scientifica)**
 Liceo Scientifico "G. Ferraris" - VARESE

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	A1	A1	A1	A1	A1

Communication skills ▪ good communication skills gained through my experience in academic teaching and scientific dissemination at congresses

Organisational / managerial skills ▪ leadership (currently responsible for a team of 6 people)
 ▪ project management (currently responsible of 3 research projects)

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

- good command of office suite (word processor, spread sheet, presentation software)
- good command of photo editing software
- good command of Linux Operating System
- good command of software for genomics and metagenomics
- good command of multi-user remote servers

Driving licence B

RESPONSIBILITY OF
RESEARCH PROJECTS

Research calls

- FONDAZIONE CARIPLO 2018: CREIAMO - Economia circolare delle filiere olivicola e vitivinicola. Valorizzazione dei sottoprodotti e degli scarti tramite processi innovativi e nuovi modelli di business (24 months, 80.000 €)
- FONDAZIONE CARIPLO 2015: BEVERAGE - BioElectrochemical Remediation of Groundwater plumes (24 months, 71.029 €)
- INAIL 2015: Filobiorisanamento: utilizzo delle interazioni piante-batteri come Strumento INnovativo pER il trattamento bioloGico di inquinanti volatili per la sicurezZA negli impianti produttivi (SINERGIA) (12 months, 211.500 €)
- PRIN 2010_2011: Contaminanti emergenti in aria, acqua e suolo: dalla sorgente all'ambiente marino. (36 months, 100.800 €)

Research contracts

- U4i Foundation - BioElectrochemical Cube (e-Cube) (24 months, 60.000 €)
- INSTM 2017 - Studio delle potenzialità di biodegradazione aerobica in siti contaminati da solventi clorurati a catena corta (24 months, 90,000 € + IVA)
- ENI 2016 (subcontractors of POLITECNICO DI MILANO) – MIAMI – Metodi integrati di analisi microbiologica e isotopica (30 months, 75.000 € + IVA)
- SISTEMI AMBIENTALI 2014/2015 – Sviluppo di metodi di rilevamento di indicatori di contaminazione fecale in impianti di trattamento biologico di suoli contaminati (24 months, 60.000 € + IVA)
- GIO ECO 2013. Sviluppo di un metodo biologico per la rimozione di mercurio da acque contaminate (12 months, 15.000 € + IVA)

 ACADEMIC TEACHING

From a.y. 2017/2018 to now

- Course: Microbiologia (Microbiology), CdS Scienze Biologiche (Biological Sciences), 8 CFU, Università degli Studi di Milano Bicocca
- Course: Microbiologia (Microbiology), CdS Scienze e Tecnologie per l'Ambiente (Environmental Sciences), 6 CFU, Università degli Studi di Milano Bicocca

 From a. y. 2012/2013 to
2017/2018

- Course: Marine Environmental Microbiology, CdS Marine Sciences, 6 CFU, Università degli Studi di Milano Bicocca

From a.y. 2009/2010 to 2011/2012

- Course: Microbiologia applicata ("Applied microbiology"), CdS Scienze Ambientali (Environmental Sciences), 6 CFU, Università degli Studi di Milano Bicocca
- Course: Microbiologia ambientale ("Environmental microbiology"), CdS Scienze Ambientali (Environmental Sciences), 6 CFU, Università degli Studi di Milano Bicocca

 ADDITIONAL INFORMATION

Other teaching duties

- From 2011 Teacher at second-level master "Caratterizzazione e Risanamento di Siti Contaminati" (Characterization and remediation of Contaminated sites"), Università Ca' Foscari di Venezia, 4-5 hours per edition
- AY 2013/2014 Teacher of the module "Environmental Microbiology" (3 CFU), course of "Environmental Chemistry and Microbiology"- PhD in Environmental and Infrastructure Engineering, Politecnico di Milano

Academic responsibilities

- From 2008: Faculty member of Department of Earth and Environmental Sciences (DISAT), Univ. Milano - Bicocca
- From 2008: Teaching Board (CCD) of Department of Earth and Environmental Sciences (DISAT), Univ. Milano – Bicocca
- From 2009: Member of Doctorate board, PhD in Environmental Sciences, Univ. Milano Bicocca
- From 2016: Member of Join Committee (DISAT), Univ. Milano – Bicocca

- From 2016: Member of Stage and Work Commission, Department of Earth and Environmental Sciences (DISAT), Univ. Milano – Bicocca

Evaluation and editorial activities

- From 2012: Member of Editorial Board of Journal of Petroleum Engineering, Hindawi Publisher, ISSN: 2314-5005 (Print), ISSN: 2314-5013 (Online)
- Dal 2016: Member of Editorial Board of PLOS ONE, Public Library of Science, ISSN: 1932-6203
- Referee: The ISME Journal, Nature Protocols, Plos One, Journal of Hazardous Materials, Science of the Total Environment, Chemosphere, Applied Microbiology and Biotechnology, Atmospheric Environment, Soil and Sediment Contamination, Environmental Pollution, Biodegradation, Polar Biology, Marine Pollution Bulletin, New Biotechnology, Environmental Science and Pollution Research, Biochemical Engineering Journal, Annals of Microbiology, Applied Biochemistry and Biotechnology, Bioresource Technology
- Evaluator of research projects for: Executive Agency for Higher Education, Research, Development and Innovation Funding (Romania), Icelandic Center for Research (Islanda), Austrian Science Fund (FWF) (Austria), Università degli studi di Verona

Participation and organisation of congresses

- Member of organizing committee of the international congress "Environmental Microbiology and Biotechnology in the frame of the Knowledge-Based Bio and Green Economy" EMB2012- Bologna, April 10 12, 2012
- Organizer of EMBO Practical Course " Microbial ecology: Hands-on training in prokaryotic and eukaryotic metagenomics (ICME-9)" Bruxelles, Belgium 2-7 September 2018
- From 2003 invited and submitted oral presentation to congresses (>50).

PUBLICATIONS

ISI or SCOPUS

1. Franzetti, A., Gandolfi, I., Bestetti, G., Padoa Schioppa, E., Canedoli, C., Brambilla, D., Cappelletti, D., Sebastiani, B., Federici, E., Papacchini, M., Ambrosini, R. Plant-microorganisms interaction promotes removal of air pollutants in Milan (Italy) urban area (2020) *Journal of Hazardous Materials*, 384, art. no. 121021, .
2. Palma, E., Espinoza Tofalos, A., Daghigho, M., Franzetti, A., Tsiota, P., Cruz Viggi, C., Papini, M.P., Aulenta, F. Bioelectrochemical treatment of groundwater containing BTEX in a continuous-flow system: Substrate interactions, microbial community analysis, and impact of sulfate as a co-contaminant (2019) *New Biotechnology*, 53, pp. 41-48.
3. Ambrosini, R., Azzoni, R.S., Pittino, F., Diolaiuti, G., Franzetti, A., Parolini, M. First evidence of microplastic contamination in the supraglacial debris of an alpine glacier (2019) *Environmental Pollution*, 253, pp. 297-301.
4. Ambrosini, R., Corti, M., Franzetti, A., Caprioli, M., Rubolini, D., Motta, V.M., Costanzo, A., Saino, N., Gandolfi, I. Cloacal microbiomes and ecology of individual barn swallows (2019) *FEMS Microbiology Ecology*, 95 (6), art. no. fiz061, .
5. Tatangelo, V., Mangili, I., Caracino, P., Bestetti, G., Collina, E., Anzano, M., Branduardi, P., Posterl, R., Porro, D., Lasagni, M., Franzetti, A. Microbial desulfurization of ground tire rubber (GTR): Characterization of microbial communities and rheological and mechanical properties of GTR and natural rubber composites (GTR/NR) (2019) *Polymer Degradation and Stability*, 160, pp. 102-109.
6. Zawierucha, K., Buda, J., Azzoni, R.S., Niškiewicz, M., Franzetti, A., Ambrosini, R. Water bears dominated cryoconite hole ecosystems: densities, habitat preferences and physiological adaptations of Tardigrada on an alpine glacier. (2019) *Aquatic Ecology*, .
7. Zawierucha, K., Buda, J., Fontaneto, D., Ambrosini, R., Franzetti, A., Wierzgoń, M., Bogdziewicz, M. Fine-scale spatial heterogeneity of invertebrates within cryoconite holes. (2019) *Aquatic Ecology*, .
8. Federici, E., Petroselli, C., Montalbani, E., Casagrande, C., Ceci, E., Moroni, B., La Porta, G., Castellini, S., Selvaggi, R., Sebastiani, B., Crocchianti, S., Gandolfi, I., Franzetti, A., Cappelletti, D. Airborne bacteria and persistent organic pollutants associated with an intense Saharan dust event in the Central Mediterranean (2018) *Science of the Total Environment*, 645, pp. 401-410.
9. Palma, E., Daghigho, M., Espinoza Tofalos, A., Franzetti, A., Cruz Viggi, C., Fazi, S., Petrangeli Papini, M., Aulenta, F. Anaerobic electrogenic oxidation of toluene in a continuous-flow bioelectrochemical reactor: Process performance, microbial community analysis, and biodegradation pathways (2018) *Environmental Science: Water Research and Technology*, 4 (12), pp. 2136-2145.
10. Musitelli, F., Ambrosini, R., Caffi, M., Caprioli, M., Rubolini, D., Saino, N., Franzetti, A., Gandolfi, I. Ecological features of feather microbiota in breeding common swifts. (2018) *Ethology Ecology and Evolution*, 30 (6), pp. 569-581.
11. Daghigho, M., Vaiopoulou, E., Aulenta, F., Sherry, A., Head, I., Franzetti, A., Rabaey, K. Anode potential selection for sulfide removal in contaminated marine sediments. (2018) *Journal of Hazardous Materials*, 360, pp. 498-503.
12. Najmi, Z., Ebrahimipour, G., Franzetti, A., Banat, I.M. Investigation of physico-chemical properties and characterization of produced biosurfactant by selected indigenous oil-degrading bacterium. (2018) *Iranian Journal of Public Health*, 47 (8), pp. 1151-1159.
13. Musitelli, F., Ambrosini, R., Rubolini, D., Saino, N., Franzetti, A., Gandolfi, I. Cloacal microbiota of barn swallows from Northern Italy. (2018) *Ethology Ecology and Evolution*, 30 (4), pp. 362-372.
14. Najmi, Z., Ebrahimipour, G., Franzetti, A., Banat, I.M. In situ downstream strategies for cost-effective bio/surfactant recovery. (2018) *Biotechnology and Applied Biochemistry*, 65 (4), pp. 523-532.

16. Zenati, B., Chebbi, A., Badis, A., Eddouaouda, K., Boutoumi, H., El Hattab, M., Hentati, D., Chelbi, M., Sayadi, S., Chamkha, M., Franzetti, A. A non-toxic microbial surfactant from *Marinobacter hydrocarbonoclasticus* SdK644 for crude oil solubilization enhancement (2018) *Ecotoxicology and Environmental Safety*, 154, pp. 100-107.
17. Tofalos, A.E., Daghigho, M., González, M., Papacchini, M., Franzetti, A., Seeger, M. Toluene degradation by *Cupriavidus metallidurans* CH34 in nitrate-reducing conditions and in Bioelectrochemical Systems (2018) *FEMS Microbiology Letters*, 365 (12), art. no. fry119, .
18. Marchesi, M., Alberti, L., Shouakar-Stash, O., Pietrini, I., de Ferra, F., Carpani, G., Aravena, R., Franzetti, A., Stella, T. 37Cl-compound specific isotope analysis and assessment of functional genes for monitoring monochlorobenzene (MCB) biodegradation under aerobic conditions. (2018) *Science of the Total Environment*, 619-620, pp. 784-793.
19. Palma, E., Daghigho, M., Franzetti, A., Petrangeli Papini, M., Aulenta, F. The bioelectric well: a novel approach for in situ treatment of hydrocarbon-contaminated groundwater. (2018) *Microbial Biotechnology*, 11 (1), pp. 112-118.
20. Pittino, F., Maglio, M., Gandolfi, I., Azzoni, R.S., Diolaiuti, G., Ambrosini, R., Franzetti, A.
21. Bacterial communities of cryoconite holes of a temperate alpine glacier show both seasonal trends and year-to-year variability (2018) *Annals of Glaciology*, . Article in Press.
22. Daghigho, M., Espinoza Tofalos, A., Leoni, B., Cristiani, P., Papacchini, M., Jalilnejad, E., Bestetti, G., Franzetti, A. Bioelectrochemical BTEX removal at different voltages: assessment of the degradation and characterization of the microbial communities (2018) *Journal of Hazardous Materials*, 341, pp. 120-127.
23. Azzoni, R.S., Tagliaferri, I., Franzetti, A., Mayer, C., Lambrecht, A., Compostella, C., Caccianiga, M., Minora, U.F., Garzonio, C.A., Meraldi, E., Smiraglia, C., Diolaiuti, G.A., Ambrosini, R. Bacterial diversity in snow from mid-latitude mountain areas: Alps, Eastern Anatolia, Karakoram and Himalaya (2018) *Annals of Glaciology*, . Article in Press.
24. Ferrario, C., Pittino, F., Tagliaferri, I., Gandolfi, I., Bestetti, G., Azzoni, R.S., Diolaiuti, G., Franzetti, A., Ambrosini, R., Villa, S. Bacteria contribute to pesticide degradation in cryoconite holes in an Alpine glacier (2017) *Environmental Pollution*, 230, pp. 919-926.
25. Innocente, E., Squizzato, S., Visin, F., Facca, C., Rampazzo, G., Bertolini, V., Gandolfi, I., Franzetti, A., Ambrosini, R., Bestetti, G. Influence of seasonality, air mass origin and particulate matter chemical composition on airborne bacterial community structure in the Po Valley, Italy (2017) *Science of the Total Environment*, 593-594, pp. 677-687.
26. Daghigho, M., Aulenta, F., Vaiopoulou, E., Franzetti, A., Arends, J.B.A., Sherry, A., Suárez-Suárez, A., Head, I.M., Bestetti, G., Rabaey, K. Electrobioremediation of oil spills (2017) *Water Research*, 114, pp. 351-370.
27. Ambrosini, R., Musitelli, F., Navarra, F., Tagliaferri, I., Gandolfi, I., Bestetti, G., Mayer, C., Minora, U., Azzoni, R.S., Diolaiuti, G., Smiraglia, C., Franzetti, A. Diversity and Assembling Processes of Bacterial Communities in Cryoconite Holes of a Karakoram Glacier (2017) *Microbial Ecology*, 73 (4), pp. 827-837.
28. Franzetti, A., Navarra, F., Tagliaferri, I., Gandolfi, I., Bestetti, G., Minora, U., Azzoni, R.S., Diolaiuti, G., Smiraglia, C., Ambrosini, R. Temporal variability of bacterial communities in cryoconite on an alpine glacier (2017) *Environmental Microbiology Reports*, 9 (2), pp. 71-78.
29. Franzetti, A., Navarra, F., Tagliaferri, I., Gandolfi, I., Bestetti, G., Minora, U., Azzoni, R.S., Diolaiuti, G., Smiraglia, C., Ambrosini, R. Potential sources of bacteria colonizing the cryoconite of an Alpine glacier (2017) *PLoS ONE*, 12 (3), art. no. e0174786, .
30. Franzetti, A., Daghigho, M., Parenti, P., Truppi, T., Bestetti, G., Trasatti, S.P., Cristiani, P. Monod kinetics degradation of low concentration residual organics in membraneless microbial fuel cells (2017) *Journal of the Electrochemical Society*, 164 (3), pp. H3091-H3096.
31. Roustazadeh Sheikhyousefi, P., Nasr Esfahany, M., Colombo, A., Franzetti, A., Trasatti, S.P., Cristiani, P. Investigation of different configurations of microbial fuel cells for the treatment of oilfield produced water (2017) *Applied Energy*, 192, pp. 457-465.
32. Gandolfi, I., Canedoli, C., Imperato, V., Tagliaferri, I., Gkorezis, P., Vangronsveld, J., Padoa Schioppa, E., Papacchini, M., Bestetti, G., Franzetti, A. Diversity and hydrocarbon-degrading potential of epiphytic microbial communities on *Platanus x acerifolia* leaves in an urban area (2017) *Environmental Pollution*, 220, pp. 650-658.
33. Franzetti, A., Tagliaferri, I., Gandolfi, I., Bestetti, G., Minora, U., Mayer, C., Azzoni, R.S., Diolaiuti, G., Smiraglia, C., Ambrosini, R. Light-dependent microbial metabolisms drive carbon fluxes on glacier surfaces (2016) *ISME Journal*, 10(12), pp. 2984-2988.
34. Gkorezis P., Daghigho M., Franzetti A., Van Hamme J.D., Sillen W., Vangronsveld J. The Interaction between Plants and Bacteria in the Remediation of Petroleum Hydrocarbons: An Environmental Perspective. (2016) *Frontiers in Microbiology*, 7; 1836
35. Ferrentino, R., Langone, M., Gandolfi, I., Bertolini, V., Franzetti, A., Andreottola, G. Shift in microbial community structure of anaerobic side-stream reactor in response to changes to anaerobic solid retention time and sludge interchange ratio (2016) *Bioresource Technology*, 221, pp. 588-597.
36. Tatangelo, V., Mangili, I., Caracino, P., Anzano, M., Najmi, Z., Bestetti, G., Collina, E., Franzetti, A., Lasagni, M. Biological devulcanization of ground natural rubber by *Gordonia desulfuricans* DSM 44462T strain (2016) *Applied Microbiology and Biotechnology*, 100 (20), pp. 8931-8942.
37. Thureborn, P., Franzetti, A., Lundin, D., Sjöling, S. Reconstructing ecosystem functions of the active microbial community of the baltic sea oxygen depleted sediments (2016) *PeerJ*, 2016 (1), art. no. e1593, .
38. Daghigho, M., Vaiopoulou, E., Patil, S.A., Suárez-Suárez, A., Head, I.M., Franzetti, A., Rabaey, K. Anodes stimulate anaerobic toluene degradation via sulfur cycling in marine sediments (2016) *Applied and Environmental Microbiology*, 82 (1), pp. 297-307.
39. Gagliano, A.L., Tagliavia, M., D'Alessandro, W., Franzetti, A., Parello, F., Quatrini, P. So close, so different: geothermal flux shapes divergent soil microbial communities at neighbouring sites (2016) *Geobiology*, 14 (2), pp. 150-162.
40. Mangili, I., Lasagni, M., Anzano, M., Collina, E., Tatangelo, V., Franzetti, A., Caracino, P., Isayev, A.I. Mechanical and rheological properties of natural rubber compounds containing devulcanized Ground tire rubber from several methods (2015) *Polymer Degradation and Stability*, 121, pp. 369-377.
41. Gandolfi, I., Bertolini, V., Bestetti, G., Ambrosini, R., Innocente, E., Rampazzo, G., Papacchini, M., Franzetti, A.

- Spatio-temporal variability of airborne bacterial communities and their correlation with particulate matter chemical composition across two urban areas. (2015) *Applied Microbiology and Biotechnology*, 99 (11), pp. 4867-4877.
42. Careghini, A., Saponaro, S., Sezenna, E., Daghigho, M., Franzetti, A., Gandolfi, I., Bestetti, G. Lab-scale tests and numerical simulations for in situ treatment of polluted groundwater (2015) *Journal of Hazardous Materials*, 287, pp. 162-170.
 43. Saliu, F., Anzano, M., Franzetti, A. Application of a 1,1,3,3-tetramethylguanidine (TMG)/MeOH-CO₂ in situ derivatization procedure for the gas chromatographic characterization of the fatty acid profile in olive oil (2015) *Analytical and Bioanalytical Chemistry*, 407 (7), pp. 1801-1806.
 44. Daghigho, M., Gandolfi, I., Bestetti, G., Franzetti, A., Guerrini, E., Cristiani, P. Anodic and cathodic microbial communities in single chamber microbial fuel cells (2015) *New Biotechnology*, 32 (1), pp. 79-84.
 45. Azzoni, R.S., Franzetti, A., Fontaneto, D., Zullini, A., Ambrosini, R. Nematodes and rotifers on two Alpine debris-covered glaciers (2015) *Italian Journal of Zoology*, 82 (4), pp. 616-623.
 46. Daghigho, M., Tatangelo, V., Franzetti, A., Gandolfi, I., Papacchini, M., Careghini, A., Sezenna, E., Saponaro, S., Bestetti, G. Hydrocarbon degrading microbial communities in bench scale aerobic biobarriers for gasoline contaminated groundwater treatment (2015) *Chemosphere*, 130, pp. 34-39.
 47. Federici, E., Rossi, R., Fidati, L., Paracucchi, R., Scargetta, S., Montalbani, E., Franzetti, A., La Porta, G., Fagotti, A., Simoncelli, F., Cenci, G., Di Rosa, I. Characterization of the skin microbiota in Italian stream frogs (*Rana italica*) infected and uninfected by a cutaneous parasitic disease (2015) *Microbes and Environments*, 30 (3), pp. 262-269.
 48. Gkorezis, P., Bottos, E. M., Van Hamme, J. D., Franzetti, A., Abbamondi, G. R., Balseiro-Romero, M., Weyens, N., Rineau, F. & Vangronsveld, J. (2015) Draft Genome Sequence of *Acinetobacter calcoaceticus* Strain GK1, a Hydrocarbon-Degrading Plant Growth-Promoting Rhizospheric Bacterium. *Genome announcements*, 3(4).
 49. Gkorezis, P., Rineau, F., Van Hamme, J., Franzetti, A., Daghigho, M., Thijs, S., Weyens, N. & Vangronsveld, J. (2015) Draft Genome Sequence of *Acinetobacter oleivorans* PF1, a Diesel-Degrading and Plant-Growth-Promoting Endophytic Strain Isolated from Poplar Trees Growing on a Diesel-Contaminated Plume. *Genome announcements*, 3(1).
 50. Tatangelo, V., Franzetti, A., Gandolfi, I., Bestetti, G., Ambrosini, R. Effect of preservation method on the assessment of bacterial community structure in soil and water samples (2014) *FEMS Microbiology Letters*, 356 (1), pp. 32-38.
 51. Cristiani, P., Franzetti, A., Gandolfi, I., Guerrini, E., Bestetti, G. Bacterial DGGE fingerprints of biofilms on electrodes of membraneless microbial fuel cells (2013) *International Biodeterioration and Biodegradation*, 84, pp. 211-219.
 52. Franzetti, A., Tatangelo, V., Gandolfi, I., Bertolini, V., Bestetti, G., Diolaiuti, G., D'agata, C., Mihalcea, C., Smiraglia, C., Ambrosini, R. Bacterial community structure on two alpine debris-covered glaciers and biogeography of *Polaromonas* phylotypes (2013) *ISME Journal*, 7 (8), pp. 1483-1492.
 53. Bertolini, V., Gandolfi, I., Ambrosini, R., Bestetti, G., Innocente, E., Rampazzo, G., Franzetti, A. Temporal variability and effect of environmental variables on airborne bacterial communities in an urban area of Northern Italy (2013) *Applied Microbiology and Biotechnology*, 97 (14), pp. 6561-6570.
 54. Gandolfi, I., Bertolini, V., Ambrosini, R., Bestetti, G., Franzetti, A. Unravelling the bacterial diversity in the atmosphere (2013) *Applied Microbiology and Biotechnology*, 97 (11), pp. 4727-4736.
 55. Longhin, E., Pezzolato, E., Mantecca, P., Holme, J.A., Franzetti, A., Camatini, M., Gualtieri, M. Season linked responses to fine and quasi-ultrafine Milan PM in cultured cells (2013) *Toxicology in Vitro*, 27 (2), pp. 551-559.
 56. Rivelli, V., Franzetti, A., Gandolfi, I., Cordini, S., Bestetti, G. Persistence and degrading activity of free and immobilised allochthonous bacteria during bioremediation of hydrocarbon-contaminated soils (2013) *Biodegradation*, 24 (1), pp. 1-11.
 57. Daghigho, M., Gandolfi, I., Bestetti, G., Franzetti, A., Cristiani, P. Anodic and cathodic microbial communities in single chamber microbial fuel cells (2013) *EFC 2013 - Proceedings of the 5th European Fuel Cell Piero Lunghi Conference*, pp. 411-412.
 58. Saponaro, S., Careghini, A., Romele, L., Sezenna, E., Franzetti, A., Gandolfi, I., Daghigho, M., Bestetti, G. Remediation of groundwater polluted by gasoline-derived compounds with biobarriers (2012) *WIT Transactions on Ecology and the Environment*, 164, pp. 439-449.
 59. Franzetti, A., Gandolfi, I., Raimondi, C., Bestetti, G., Banat, I.M., Smyth, T.J., Papacchini, M., Cavallo, M., Fracchia, L. Environmental fate, toxicity, characteristics and potential applications of novel bioemulsifiers produced by *Variovorax paradoxus* 7bCT5 (2012) *Bioresource Technology*, 108, pp. 245-251.
 60. Franzetti, A., Gandolfi, I., Bertolini, V., Raimondi, C., Piscitello, M., Papacchini, M., Bestetti, G. Phylogenetic characterization of bioemulsifier-producing bacteria (2011) *International Biodeterioration and Biodegradation*, 65 (7), pp. 1095-1099.
 61. Gandolfi, I., Franzetti, A., Bertolini, V., Gaspari, E., Bestetti, G. Antibiotic resistance in bacteria associated with coarse atmospheric particulate matter in an urban area (2011) *Journal of Applied Microbiology*, 110 (6), pp. 1612-1620.
 62. Gualtieri, M., Franzetti, A., Longhin, E., Mantecca, P., Bestetti, G., Bolzacchini, E., Camatini, M. In vitro effects of microbiologically characterized Milan particulate matter (2011) *Procedia Environmental Sciences*, 4, pp. 192-197.
 63. Franzetti, A., Gandolfi, I., Gaspari, E., Ambrosini, R., Bestetti, G. Seasonal variability of bacteria in fine and coarse urban air particulate matter (2011) *Applied Microbiology and Biotechnology*, 90 (2), pp. 745-753.
 64. Franzetti, A., Tamburini, E., Banat, I.M. Applications of biological surface active compounds in remediation technologies (2010) *Advances in Experimental Medicine and Biology*, 672, pp. 121-134.
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