

## Europass Curriculum Vitae



### Personal information

**First name(s) / Surname(s)** **Franco Ajmone Marsan**  
**Address** 44, Via Leonardo da Vinci  
 I-10095 Grugliasco (Torino) (Italy)  
**Telephone(s)** (39-011) 67 08 518  
**Fax(es)**  
**E-mail(s)** franco.ajmonemarsan@unito.it  
**Nationality** Italian  
**Date of birth** 11/06/1955  
**Gender** Male

### Work experience

<p><b>Dates</b></p> <p><b>Occupation or position held</b></p> <p><b>Main activities and responsibilities</b></p> <p><b>Name and address of employer</b></p> <p><b>Type of business or sector</b></p>	<p>4.81 - 3.90</p> <p>Research Assistant</p> <p>Research and teaching in Soil Science</p> <p>Università di Torino, Institute of Agricultural Chemistry 15, Via Giuria, 10126 Torino (Italy)</p> <p>Education</p>
<p><b>Dates</b></p> <p><b>Occupation or position held</b></p> <p><b>Main activities and responsibilities</b></p> <p><b>Name and address of employer</b></p> <p><b>Type of business or sector</b></p>	<p>11/1984 - 5/1985</p> <p>research fellow of the Italian National Research Council</p> <p>Research in Soil Science</p> <p>The Macaulay Institute for Soil Research Craigiebuckler, AB9 2QJ Aberdeen (United Kingdom)</p> <p>Research Center</p>
<p><b>Dates</b></p> <p><b>Occupation or position held</b></p> <p><b>Main activities and responsibilities</b></p> <p><b>Name and address of employer</b></p> <p><b>Type of business or sector</b></p>	<p>1/1987 - 8/1987</p> <p>research fellow of the Ministerio de Educación y Ciencia of Spain</p> <p>Research in Soil Science</p> <p>Laboratorio de Edafología of the Escuela Técnica Superior de Ingenieros Agrónomos Avda M. Pidal, s/n, 14008 Cordoba (Spain)</p> <p>Education</p>
<p><b>Dates</b></p> <p><b>Occupation or position held</b></p> <p><b>Main activities and responsibilities</b></p>	<p>3/1990 - 12/2003</p> <p>Assistant Professor</p> <p>Research and teaching in Soil Science</p>

Name and address of employer	Università di Torino, DIVAPRA 44, Via Leonardo da Vinci, 44, 10095 Grugliasco (Torino) (Italy)
Type of business or sector	Education
Dates	10/1994 - 10/1995
Occupation or position held	Visiting Scientist
Main activities and responsibilities	Research in Soil Science
Name and address of employer	National Science and Engineering Research Council of Canada 2546, Hochelaga Blvd, Ste-Foy, Quebec (Canada)
Type of business or sector	Research center
Dates	1/2004 → 11/2011
Occupation or position held	Associate Professor of Agricultural Chemistry
Main activities and responsibilities	Research and teaching in Soil Science
Name and address of employer	Università di Torino, DIVAPRA 44, Via Leonardo da Vinci, 10095 Grugliasco (Torino) (Italy)
Type of business or sector	Education
Dates	11/2011 →
Occupation or position held	Full Professor of Agricultural Chemistry
Main activities and responsibilities	Research and teaching in Soil Science
Name and address of employer	Università di Torino, DISAFA 44, Via Leonardo da Vinci, 10095 Grugliasco (Torino) (Italy)
Type of business or sector	Education

### Education and training

Dates	1987 - 1990
Title of qualification awarded	Research Doctorate
Principal subjects / occupational skills covered	Soil chemistry and mineralogy
Name and type of organisation providing education and training	Università di Torino (University) 8, Via Verdi, 10123 Torino (Italy)
Level in national or international classification	ISCED 6
Dates	1974 - 1979
Title of qualification awarded	Degree
Principal subjects / occupational skills covered	Agricultural Sciences
Name and type of organisation providing education and training	Università di Torino (University) 8, Via Verdi, 10123 Torino (Italy)
Level in national or international classification	ISCED 5
Dates	1969 - 1974
Title of qualification awarded	Diploma
Principal subjects / occupational skills covered	Scientific education
Name and type of organisation	Liceo Scientifico "G.Segrè" (Scientific High school)

providing education and training 14, C.so A. Picco, 10133 Torino (Italy)

Level in national or international classification ISCED 4

**Personal skills and competences**

Mother tongue(s) **Italian**

Other language(s)

Self-assessment  
*European level (\*)*

**English**  
**Spanish / Castilian**  
**French**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C2	Proficient user	C2	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
B2	Independent user	B2	Independent user	C1	Proficient user	B2	Independent user	A2	Basic User

(\*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences Good ability to work in multicultural context acquired through my experiences in foreign countries;  
Good team working ability gained in leading and working with research groups;  
Good communicating skills gained through teaching and conferencing

Organisational skills and competences Leadership - currently leading research team of 5  
coordinated EU research projects  
participated in various international and national research projects

Technical skills and competences Laboratory skills in the field of soil chemistry and mineralogy

Computer skills and competences Good command of MS Office tools and Bibliographic software

Driving licence(s) A, B

**Additional information**

**Annexes**

List of selected publications

Florido Fernández M.C., Madrid F., Ajmone-Marsan F. (2011) Variations of metal availability and bio-accessibility in water-logged soils with various metal contents: in vitro experiments. *Water air and soil pollution* 217: 149-156.

Sialelli J., Davidson C.M., Hursthouse A.S., Ajmone-Marsan F. (2011) Human bioaccessibility of Cr, Cu, Ni, Pb and Zn in urban soils from the city of Torino, Italy *Environmental Chemistry Letters* (2011) 9:197–202. DOI 10.1007/s10311-009-0263-

Scalenghe R., Edwards A. C., Barberis E., Ajmone Marsan F. (2012) Are agricultural soils under a continental temperate climate susceptible to episodic reducing conditions and increased leaching of phosphorus? *Journal of Environmental Management* 97: 141-147.

Biasioli M., Fabietti G., Barberis R., Ajmone-Marsan F. (2012) An appraisal of soil diffuse contamination in an industrial district in northern Italy. *Chemosphere* 88: 1241–1249.

Popescu I., Biasioli M., Ajmone-Marsan F., Stanesco R. (2013) Liability of potentially toxic elements in soils affected by smelting activities. *Chemosphere* 90: 820–826.

Ajmone Marsan F., Zanini E. (2013) Soils in urban areas. In: E.A.C. Costantini, C. Dazzi (Eds) *The soils of Italy, World soils Book Series*. Springer Science+Business media Dordrecht NL

Saiano F, Oddo G, Scalenghe R, La Mantia T, Ajmone-Marsan F. (2013) DRIFTS sensor: soil carbon

- validation at large scale (Pantelleria, Italy). *Sensors*. 13(5): 5603-5613.
- Scalenghe R., Edwards A. C., Barberis E., Ajmone Marsan F. (2013) Release of phosphorus under reducing and simulated open drainage conditions from overfertilised soils. *Chemosphere*, 95: 289–294.
- Martin M., Violante A., Ajmone-Marsan F., Barberis E. (2013) Surface interactions of arsenite and arsenate on soil colloids. *Soil Science Society of America Journal* 78: 157-170
- Balint R., Nechifor G., Ajmone-Marsan F. (2014) Leaching potential of heavy metals from contaminated soils under anoxia. *Environmental Science: Processes & Impacts*, 16: 211-219.
- Boero V., Fabietti G., Ajmone-Marsan F. (2014) Earth walls as repositories of background levels of soil metal contaminants. *Environmental Earth Science* 72: 491-498
- Balint R. Calotescu L.G., Boero V., Ajmone-Marsan F. (2015) Clay minerals-clinoptilolite assemblages in two romanian tuffs. *Carpathian Journal of Earth and Environmental Sciences*, 10: 27 – 39
- Dino G.A., Passarella I., Ajmone-Marsan F. (2015) Quarry rehabilitation employing treated residual sludge from dimension stone working plant. *Environmental Earth Sciences*, 73: 7157–7164 DOI: 10.1007/s12665-014-3895-0
- Balint R., Said-Pullicino D., Ajmone-Marsan F. (2015) Copper dynamics under alternating redox conditions is influenced by soil properties and contamination source. *Journal of Contaminant Hydrology*, 173: 83-91.
- Borgogno-Mondino E., Fabietti G., Ajmone-Marsan F. (2015) Soil quality and landscape metrics as driving factors in a multi-criteria GIS procedure for peri-urban land use planning *Urban Forestry & Urban Greening*, 14:743-750
- Ajmone-Marsan F., Certini G., Scalenghe R. (2016) Describing urban soils through a faceted system ensures more informed decision-making. *Land Use Policy* 51: 109–119.
- Padoan E., Romè C., Ajmone Marsan, F. (2017) Bioaccessibility and size distribution of metals in road dust and roadside soils along a peri-urban transect. *Science of the Total Environment*, 601-602: 89-98.
- Padoan E., Ajmone-Marsan F., Querol X., Amato F. (2018) An empirical model to predict road dust emissions based on pavement and traffic characteristics. *Environmental Pollution*, 237:713-720
- Magnani A., Ajmone-Marsan F., D'Amico M., Balestrini R., Viviano G., Salerno F., Freppaz M. (2018) Soil properties and trace elements distribution along an altitudinal gradient on the southern slope of Mt. Everest, Nepal. *Catena*, 162: 61-71.
- Mehta N., Dino G.A., Ajmone-Marsan F., Lasagna M., Romè C., De Luca D.A. (2018) Extractive waste management: A risk analysis approach. *Science of the Total Environment* 622–623: 900-912.
- Demasi S., Berruti A., Ajmone-Marsan F., Bianciotto V., Scariot V. (2018) Role of mycorrhization in the phytoremediation of heavy metals in urban soils. *Acta Horticulturae* 1215. ISHS 2018. DOI 10.17660/ActaHortic.2018.1215.57
- Dino G.A., Mehta N., Rossetti P., Ajmone-Marsan F., De Luca D.A. (2018) Sustainable approach towards extractive waste management: Two case studies from Italy. *Resource Policy* 59: 33-43.
- Gallini L., Ajmone-Marsan F., Scalenghe R. (2018) The contamination legacy of a decommissioned iron smelter in the Italian Alps. *Journal of Geochemical Exploration* 186: 121-128 <https://doi.org/10.1016/j.gexplo.2017.12.013>
- Mehta N., Cocerva T., Cipullo S., Padoan E., Dino G.A., Ajmone Marsan F., Cox S., Coulon F., De Luca D.A. (2019) Linking oral bioaccessibility and solid phase distribution of potentially toxic elements in extractive waste and soil from an abandoned mine site: Case study in Campello Monti, NW Italy. *Science of the Total Environment* 651: 2799-2810 .
- Ajmone-Marsan F., Padoan E., Madrid F., Vrščaj B., Biasioli M., Davidson C.M. (2019) Metal release under anaerobic conditions of urban soils of four European cities. *Water, Air and Soil Pollution* 230: 53.
- Mehta N., Lasagna M., Dino G.A., Ajmone-Marsan F., De Luca D.A. (2019) Evaluation of risk to groundwater due to extractive waste in abandoned mine site: Case study of Gorno, NW Italy. *Geingegneria Ambientale e Mineraria*, LVI (n. 1):39-45
- Padoan E., Passarella I., Prati M., Bergante, S., Facciotto G., Ajmone-Marsan, F. (2020) The suitability of short rotation coppice crops for phytoremediation of urban soils. *Applied Sciences*, 10: 307
- Mehta N., Dino G.A., Passarella I., Ajmone-Marsan F., Rossetti P., De Luca D.A. (2020) Assessment of the possible reuse of extractive waste coming from abandoned mine site: Case study in Gorno, Italy. *Sustainability*, 12, 2471; doi:10.3390/su12062471
- Mehta, N., Cipullo, S., Cocerva, T., Coulon, F., Dino, G.A., Ajmone-Marsan, F., Padoan, E., Cox, S.F., Cave, M.R., De Luca, D.A. (2020) Incorporating oral bioaccessibility into human health risk assessment due to potentially toxic elements in extractive waste and contaminated soils from

an abandoned mine site, Chemosphere, doi: <https://doi.org/10.1016/j.chemosphere.2020.126927>.

- Maffia J., Balsari P., Padoan E., Ajmone-Marsan F., Ricauda Aimonino D., Dinuccio E. (2020) Evaluation of particulate matter (PM10) emissions and its chemical characteristics during rotary harrowing operations at different forward speeds and levelling bar heights. Environmental Pollution (in press)
- Mokhtarzadeh Z., Keshavarzi B., Moore F., Ajmone-Marsan F., Padoan E. (2020) Potentially toxic elements in the Middle East oldest oil refinery zone soils: source apportionment, speciation, bioaccessibility and human health risk assessment Environmental Science and Pollution Research. <https://doi.org/10.1007/s11356-020-09895-7>
- Padoan E., Romè C., Mehta N., Dino G.A., De Luca D.A., F. Ajmone Marsan F. (2020) Bioaccessibility of metals in soils surrounding two dismissed mining sites in Northern Italy. Int. J. Environ. Sci. Technol. DOI 10.1007/s13762-020-02938-z
- Padoan E., Hernandez Kath A., Vahl L.C., Ajmone-Marsan F. (2020) Potential release of zinc and cadmium from mine-affected soils under flooding, a mesocosm study. Archives of Environmental Contamination and Toxicology <https://doi.org/10.1007/s00244-020-00777-0>
- Li, Y., Padoan E., Ajmone-Marsan F. (2021) Soil particle size fraction and Potentially Toxic Elements bioaccessibility: a review. Ecotoxicology and Environmental Safety, 209, 111806
- Padoan E. Maffia J., Balsari P., Ajmone-Marsan F., Dinuccio, E. (2021) Soil PM10 emission potential under specific mechanical stress and particles characteristics. Science of the Total Environment <https://doi.org/10.1016/j.scitotenv.2021.146468>
- Fabbri D., Pizzol R., Calza P., Malandrino M., Gaggero E., Padoan E., Ajmone-Marsan F. (2021) Constructed Technosols: a strategy towards a circular economy. Appl. Sci. 2021, 11(8), 3432; <https://doi.org/10.3390/app11083432>
- Li, Y., Ajmone-Marsan F. Padoan E., (2021) Health risk assessment via ingestion and inhalation of soil PTE of an urban area. Chemosphere, Vol. 281, 130964 <https://doi.org/10.1016/j.chemosphere.2021.130964>
- Serrani D., Ajmone Marsan F., Corti G., Cocco S., Cardelli V., Adamo P. (2021) Heavy metal load and effects on biochemical properties in urban soils of a medium-sized city, Ancona, Italy" Environmental Geochemistry and Health. <https://doi.org/10.1007/s10653-021-01105-8>
- Mokhtarzadeh, Z., Keshavarzi, B., Moore, F., Busquets R., Rezaei M., Padoan E., Ajmone-Marsan, F. (2022) Microplastics in industrial and urban areas in South-West Iran. Int. J. Environ. Sci. Technol. <https://doi.org/10.1007/s13762-022-04223-7>
- Ajmone Marsan F., Malandrino M. (2022) Lanthanides, Actinides and Radon. Encyclopedia of Soils in the Environment, Second Edition. Elsevier.

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