

## Europass Curriculum Vitae



### Personal information

**First name(s) / Surname(s)** **Franco Ajmone Marsan**  
**Address** 44, Via Leonardo da Vinci  
 I-10095 Grugliasco (Torino) (Italy)  
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**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

Davidson C.M., Urquhart G.J., Ajmone-Marsan F., Biasioli M., da Costa Duarte A., Díaz-Barrientos E., Grčman H., Hossack I., Hursthouse A.S., Madrid L., Rodrigues S., Zupan M. (2006) Fractionation of potentially toxic elements in urban soils from five European cities by means of a harmonised sequential extraction procedure. *Analytica Chimica Acta*, 565: 63-72.

Ajmone-Marsan F., Côté D., Simard R.R. (2006) Phosphorus transformations under reduction in long-term manured soils. *Plant and Soil*, 282:239-250.

Biasioli M., Barberis R., Ajmone Marsan F., (2006) The influence of a large city on some soil properties and metals content. *The Science of the Total Environment*, 356: 154-164.

Rodrigues S., Pereira M.E., Duarte A.C., Ajmone-Marsan F., Davidson, C.M. Grčman H., Hossack I., Hursthouse A.S., Ljung K., Martini C., Otabbong E., Reinoso R., Ruiz-Cortés E., Urquhart G.J., Vrščaj, B. (2006) Mercury in urban soils: a comparison of local spatial variability in six European cities. *The Science of the Total Environment*, 368: 926-936.

Madrid L., Diaz-Barrientos E., Ruiz-Cortés E., Reinoso R., Biasioli M., Davidson C.M., Duarte A.C., Grčman H., Hossack I., Hursthouse A.S., Kralj T., Ljung K., Otabbong E., Rodrigues S., Urquhart G.J., Ajmone-Marsan F. (2006) Variability in concentrations of potentially toxic elements in urban parks from six European cities. *Journal of Environmental Monitoring*, 8: 1158-1165.

- Biasioli M., Grčman H., Kralj T., Madrid F., Díaz-Barrientos E., Ajmone-Marsan F. (2007) Potentially toxic elements contamination in urban soils: a comparison of three European cities. *Journal of Environmental Quality*, 36:70-79.
- Madrid F., Reinoso R., Florido M. C., Díaz-Barrientos E., Ajmone-Marsan F., Davidson C.M., Madrid L. (2007) Estimating the extractability of potentially toxic metals in urban soils: A comparison of several extracting solutions. *Environmental Pollution*, 147: 713-722.
- Bardi L., Martini C., Opsi F., Bertolone E., Belviso S., Masoero G., Marzona M., Ajmone Marsan F. (2007) Cyclodextrin-enhanced in situ bioremediation of polyaromatic hydrocarbons-contaminated soils and plant uptake. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, 57:439-444.
- Davidson C.M., Nordon A., Urquhart G.J., Ajmone-Marsan F., Biasioli M., da Costa Duarte A., Díaz-Barrientos E., Grčman H., Hodnik A., Hossack I., Hursthouse A. S., Ljung K., Madrid L., Otabbong E., Rodrigues S. (2007) Quality and comparability of measurement of potentially toxic elements in urban soils by a group of European laboratories. *International Journal of Environmental Analytical Chemistry*, 87: 589-601.
- Morillo E., Romero A. S., Maqueda C., Madrid L., Ajmone-Marsan F., Grčman, H., Davidson C. M., Hursthouse A. S. Villaverde J. (2007) Soil pollution by PAHs in urban soils: a comparison of three European cities. *Journal of Environmental Monitoring*, 9: 1001-1008.
- Biasioli M., Ajmone-Marsan F. (2007) Organic and inorganic diffuse contamination in urban soils: the case of Torino (Italy) *Journal of Environmental Monitoring*, 9: 862-868.
- Chaoliu L., Shichang K., Xiaoping W., Ajmone-Marsan F., Qianggong Z. (2008) Heavy metals and rare earth elements (REEs) in soils from the Nam Co Basin, Tibetan Plateau. *Environmental Geology*, 53: 1433-1440
- Ajmone-Marsan F., Biasioli M., Kralj T., Grčman H., Davidson C.M., Hursthouse A.S., Madrid L., Rodrigues S. (2008) Metals in particle-size fractions of the soils of five European cities. *Environmental Pollution*, 152: 73-81.
- Madrid F., Biasioli M., Ajmone-Marsan F. (2008) Availability and bioaccessibility of metals in fine particles of some urban soils. *Archives of Environmental Contamination and Toxicology*, 55: 21-32.
- Vrščaj B., Poggio L., Ajmone Marsan F. (2008). A method for evaluating soil environmental quality for its management and planning in urban areas *Landscape Urban Plann.* 88: 81-94.
- Poggio L., Vrščaj, B., Hepperle E., Schulin R., Ajmone Marsan F. (2008). Introducing a method of human health risk evaluation for planning and soil quality management of heavy metal-polluted soils—An example from Grugliasco (Italy) *Landscape Urban Plann.* 88:64-72.
- Poggio L., Vrščaj, B., Schulin R., Hepperle E., Ajmone Marsan F. (2009). Metals pollution and human bioaccessibility of topsoils in Grugliasco (Italy) *Environ. Pollut.* 157:680-689.
- Scalenghe R., Ajmone Marsan F. (2009). The anthropogenic sealing of soils in urban areas. *Landscape Urban Plann.* 90:1-10
- Fabietti G., Biasioli M., Barberis R., Ajmone-Marsan F. (2010) Soil contamination by organic and inorganic pollutants at the regional scale: the case of Piedmont, Italy. *J Soils Sediments*, 10: 290-300. DOI 10.1007/s11368-009-0114-9
- Ajmone Marsan, F. Biasioli M., (2010) Trace elements in soils of urban areas. *Water air and soil pollution*, 213:121–143.
- Biasioli M., Kirby J. K., Hettiarachchi G. M., Ajmone-Marsan F., McLaughlin M. J. (2010) Copper lability in soils subjected to intermittent submergence. *Journal of Environmental Quality* 39: 2047-2053 doi: 10.2134/jeq2009.0490
- Florido Fernández M.C., Madrid F., Ajmone-Marsan F. (2011) Variations of metal availability and bioaccessibility 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/s10311-009-0263-5
- 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., Stanescu R. (2013) Lability 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*

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- 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.
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- 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.
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- 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* (in press)
- 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* (in press).
- Mehta N., Cocerva T., Cipullo S., Padoan E., Dino G.A., Ajmone Marsan F., Cox S., Coulon F., De Luca D.A. (2018) 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* (in press).
- 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* (in press)