

Curriculum Vitae Europass

Personal Information

Surname / First Name **D'Amico Michele Eugenio**
Address Via Tortona 68, 20144, Milano, Italy
Telephone +393490611313
E-mail ecomike77@gmail.com
Nationality Italian
Date of birth 19/05/1977
Gender Male
CF DMCMHL77E19F205M
Expertise Pedology, Soil Science, Soil Ecology, Geomorphology, Botany, GIS cartography

Academic activities

Date 2021 Oct -
Position Type B research fellow (tenure track)
Main activities Pedology lectures; Agritech National Research Center, Spoke 7.1 – marginal areas: Soils in alpine pastures with different management practices; Gran Paradiso National Park – Peat bogs characterization; SOILS4MED PRIMA project participation

Employer Milan University, DISAA, Via Celoria 2, Milano (To)

Date 2020 Sept – 2021 - September
Position Research Scholarship
Main activities P-rice project: sampling and mapping of paddy soils in Lombardy;
inTERRACED project – soil characterization in terraced area in the Italian and Swiss Alps
Valgrande National Park project: soils and land use relationships in characteristic sites

Employer Turin University, DISAFA, Largo Braccini 1, Grugliasco (To)

Date October 2010 - 2018
Position Postdoc position
Main activities High elevation soil characterization in Valle d'Aosta, project LINKS4SOILS
Paleosol, soils under Quaternary blockstreams and blockfields and relict surfaces exploration, and paleoenvironmental reconstruction in the western Italian Alps;
Paleosols and pedodiversity in un-glaciated Lombard Prealps;
Pedodiversity and cryogenic processes in alpine soils (Aosta Valley);
Paleoenvironmental reconstruction based on peat bog stratigraphy and pollen analysis (Mont Avic Natural Park, Aosta Valley);
Fragipan soils characterization on Quaternary fluvial and glaciofluvial terraces (Torino province, Piemonte);
Soil survey in the Ligurian Alps (*BioEnerWood* project);
Soil survey and mapping, and vulnerability to erosion assessment in Brienno (CO, *Bes-Lario* project);
Soil survey and vulnerability to shallow landslides map of Aosta Valley (300 soil profile descriptions, 180 completely analysed soil profiles);
(Hundreds of soil and paleosol profiles in many different environmental conditions and geomorphic settings).

Employer Turin University, DISAFA - NATRISK, Largo Braccini 1, Grugliasco (To)

Dates Nov. 2008 – May 2011

Occupation or position held	Consultancy
Main activities and responsibilities	<i>ADAPTALP (Alpine Space Project)</i> : soil erosion modeling in a changing environment in alpine basins
Name and address of employer	CRASL, Università Cattolica del Sacro Cuore, Via Musei 19, Brescia
Type of business or sector	Pedology, GIS mapping
Dates	2002-2009
Occupation or position held	Ms thesis, Consultancy, PhD
Main activities and responsibilities	<i>Mont Avic project</i> : project management, 200 soil profiles and vegetation survey, characterization of pedogenetic processes, heavy metal speciation, soil biological activity, soil-vegetation relationships
Name and address of employer	Università degli Studi di Milano Bicocca, P.za Scienza 1, Milano; reacoop srl, via Raiberti 9, Monza
Type of business or sector	Pedology, plant ecology, GIS
Dates	2006-2010
Occupation or position held	Consultancy
Main activities and responsibilities	Heavy metals in the soils of Central Aosta Valley; <i>BIOSOL</i> : soil survey, sampling, analysis and classification in forest sites in Lombardy, Veneto, Trentino-Alto Adige, Liguria and Friuli – Venezia Giulia
Name and address of employer	Università degli Studi di Milano Bicocca, P.za Scienza 1, Milano
Dates	2004-2005
Occupation or position held	Consultancy
Main activities and responsibilities	<i>Interreg project Italy-Switzerland “Val Bregaglia”</i> : soil type and soil erosion survey
Name and address of employer	Università degli Studi di Milano Bicocca, P.za Scienza 1, Milano
Type of business or sector	Pedology

Other soil science activities

Dates	2021
Occupation or position held	Consultancy
Main activities and responsibilities	MEDISS project: Ar-Rishah soil map, suitability for irrigation, Aqaba region, Jordan
Name and address of employer	Timesis s.r.l. – Studio Galli Ingegneria
Dates	2021
Occupation or position held	Consultancy
Main activities and responsibilities	Igogero Swamp soil map, suitability to rice production and irrigation, Bugiri and Bugweri Districts, Uganda
Name and address of employer	Timesis s.r.l. – Studio Galli Ingegneria
Dates	2020-21
Occupation or position held	Consultancy
Main activities and responsibilities	Soil profiles and soil map in the Tuetera area (Parco del Lambro, LC-MB-CO)
Name and address of employer	Rea coop srl
Dates	2020
Occupation or position held	Consultancy
Main activities and responsibilities	Revision of the RUSLE factors in Lombardy
Name and address of employer	Rea coop and ERSAF
Dates	2020
Occupation or position held	Consultancy
Main activities and responsibilities	Soil characterization in 3 quarry sites in Aosta Valley
Name and address of employer	Geol. Vuillermoz (AO)

Dates	2019
Occupation or position held	Consultancy
Main activities and responsibilities	Kikonge soil map, Ruvuma and Njombe Districts, Tanzania
Name and address of employer	Timesis s.r.l. – Tanesco, Songe and Dar es Salaam
Dates	2018-2019
Occupation or position held	Consultancy
Main activities and responsibilities	Soil Map of the Aosta Valley region and LINKS4SOIL project activities
Name and address of employer	Regione Autonoma Valle d'Aosta
Dates	2017
Occupation or position held	Consultancy
Main activities and responsibilities	Kimwarer multipurpose project: soil sampling and mapping, geomorphic mapping in the Kimwarer River Basin, Elgeyo Marakwet District, Kenya.
Name and address of employer	Timesis srl, Via Niccolini, 7 - 56017 S. Giuliano T. (PI) - Italia
Dates	2015-2016
Occupation or position held	Consultancy
Main activities and responsibilities	Soil map and irrigation suitability in the Kabuyanda subcounty (Isingiro District, Uganda): Photointerpretation, GIS delineation of soil map units, field activities and data management.
Name and address of employer	Timesis srl, Via Niccolini, 7 - 56017 S. Giuliano T. (PI) - Italia
Dates	2014-2015
Main activities and responsibilities	Consultancy
Name and address of employer	Soil profile description and sampling in Frosinone Province, Lazio region, for the creation of the Lazio Soil Map (1:250k); 137 profiles.
Type of business or sector	Timesis srl, Via Niccolini, 7 - 56017 S. Giuliano T. (PI) - Italia
Dates	March 2013
Main activities and responsibilities	Valorization of mangrove rice swamps in Guinea Bissau (West Africa): acid sulphate soil characterization and proposals for sustainable management.
Name and address of employer	ONG LVIA, Cuneo, Corso 4 Novembre 28
Dates	2010 (February – April)
Main activities and responsibilities	Soil survey and mapping in Arumeru District, Arusha region, Tanzania
Name and address of employer	Oikos East Africa (Aile Selassie Rd, 165, Arusha (Tanzania)
Dates	2004-2014
Occupation or position held	Several professional collaborations in pedological surveys and soil erosion studies:
Name and address of employer	REACOOP impresa sociale, via S. Gottardo 95, Monza

Main activities and responsibilities	Soil map and land suitability in the "Orrido di Inverigo" area (CO, Italy) (2021) Aggiornamento della base informativa "Rischio di erosione dei suoli" (Metodo RUSLE) e dei fattori "Erosività climatica" e "Copertura del suolo", che concorrono alla sua definizione (2020) Proposal of modification, GIS and statistics of RUSLE factors C, K and R in Lombardy under different climate change ICPP scenarios (2014); Soil map of Como (2010); Proposal for a modification of the C factor (RUSLE) in Lombardy (2010); MARSIA project 50K: soil mapping, Marche region: Ascoli Piceno, Ancona, Pesaro-Urbino: photo-interpretation, map unity characterization and delineation, profile description, 320 secondary observations, landscape photography, legend and report (2005-2006). Soil map of Marche region, 1:250000: soil database management, landscape photography, report, GIS elaborations (2005-2006) PACSI_250 (soil map of Lombardy 1:250.000): database management; delineation and description of pedo-landscape units; "Atlas of soils in the Lombard mountains" in 7 typical sites (soil profile description, soil-vegetation relationships, landscape photography, ecological analysis report) (2004); Interreg project Ecalp: guided trip and soil sampling and characterization in Sasso Cavallasca (S. Fermo della Battaglia, Co) (2004); Application of the pedological knowledge in forest habitats in mountain areas: soil and forest landscapes in Alto Garda: soil sampling and plant survey, landscape photography, ecological interpretations and report (2004); Characterization of the soil around the landfill in Pontey (Aosta Valley): project management, soil survey (20 soil profiles), elaborations, vulnerability assessment, mapping, report (2004);
Type of business or sector	Soil science
Other environmental activities	
Dates	2004-2010
Occupation or position held	Several professional collaborations in vegetation surveys, environmental impact assessment and planning:
Name and address of employer	REACOOP impresa sociale, via S. Gottardo 95, Monza
Main activities and responsibilities	Monitoring of the impact caused by a new road on vegetation (Panoramica Zegna, sector Cossato-Vallemosso-Trivero (Bi)). Fontanile Maino (Rozzano, Mi): vegetation survey and recovery Bellinzago Lombardo (Mi): vegetation survey, impact assessment of a new road VAS: Valbrona (Co), Monticello Brianza (Lc), Cremella (Lc), Mandello Lario (Lc), Capiago Intimiano (Co), Parco Nat. Valle del Lambro: vegetation and land use evaluation and characterization PLIS Rio Vallone: morphological and hydrological survey (Milano); Progetto CARIPLO - Lambro: reactivation of Roggia Pelucca and guided tours, Parco di Monza), Cascinazza (vegetation survey and evaluation), Triuggio. Management plan of SIC Montorfano. Vegetation survey in a naturally damaged forest area (Besate, Ticino natural park, Milano): data collection, management and report.
Teaching experiences	
Date	2020-2021
Activity	Contract Professor: Pedology course (G24-14 - Geopedologia, mod. 1 – Geomorfologia e Geografia Fisica; mod. 2: pedologia. CFU 8
	UNIMONT, University of Milano, Edolo (Bs). Valorizzazione e Tutela dell'Ambiente e dei Territori Montani
Date	2017-2020
Activity	Contract Professor: Pedology course (G24-14 - Scienza del suolo, mod. 2: pedologia)
University	UNIMONT, University of Milano, Edolo (Bs). Valorizzazione e Tutela dell'Ambiente e dei Territori Montani

Date	2011-2018
Activity	Pedology field lectures
University	DISAFA, Università degli Studi di Torino, Forest Science course.
Dates	2006-2008
Activity	Field lecture: the soil in Montorfano (Rovato, Bs)
University	Università degli Studi di Milano Bicocca, P.za Scienza 1, Milano, Dipartimento di Scienze Ambientali
Dates	2009
Activities	7 hours of lectures: heavy metals bio-geo-cycling in soils", part of the course: "Anthropogenic soils"
University	Università degli Studi di Milano Bicocca, P.za Scienza 1, Milano, Dipartimento di Scienze Ambientali
Thesis supervising	
Academic year	2008-2009
Student	Simone Gottardelli
Academic degree	BA
Supervising Professor	Franco Previtali
Title	Rapporto tra metalli pesanti e attività microbiologica in suoli alpini: Parco Naturale del Mont Avic (Aosta)
University	DISAT, Università degli Studi di Milano Bicocca, Scienze dell'Ambiente e del Territorio.
Academic year	2010-2011
Student	Guido Muggianu
Academic degree	MSc
Supervising Professor	Ermanno Zanini
Title	Ecologia dell'Alyssum argenteum nei pedoambienti valdostani
University/course	DISAFA, Università degli Studi di Torino, Forest Science course.
Academic year	2012-2013
Student	Mattia Barbieri
Academic degree	MSc
Supervising Professor	Roberto Comolli
Title	Analisi e caratterizzazione pedologica delle coltivazioni di riso di mangrovia in Guinea Bissau
University/course	DISAT, Università degli Studi di Milano Bicocca, Scienze dell'Ambiente e del Territorio.
Academic year	2012-2013
Student	Andrea Paone
Academic degree	BA
Supervising Professor	Ermanno Zanini
Title	Alpine permafrost: features and evolution linked to climate change.
University/course	DISAFA, Università degli Studi di Torino, Forest Science course.
Academic year	2013-2014
Student	Gabriele Trogolo
Academic degree	BA
Supervising Professor	Ermanno Zanini
Title	Podzols in mid-western Alps.
University/course	DISAFA, Università degli Studi di Torino, Forest Science course.

Academic year	2013-2014
Student	Gabriele Gallo
Academic degree	BA
Supervising Professor	Michele Freppaz
Title	Le Alpi Liguri tra carsismo e frost hollows: analisi di un caso studio in comune di Ormea (CN).
University/course	DISAFA, Università degli Studi di Torino, Forest Science course.
Academic year	2013-2014
Student	Andrea Villa
Academic degree	MSc
Supervising Professor	Luisella Celi
Title	Phosphorus biogeochemistry in a chronosequence of a periglacial environment
University/course	Department of Chemistry, Università degli Studi di Torino, Environmental Chemistry
Academic year	2014-2015
Student	Claudia Pavan
Academic degree	Msc
Supervising Professor	Michele Freppaz
Title	Relazione tra specie vegetali e clima nella formazione di una torbiera alpina su serpentinite.
University/course	DISAFA, Università degli Studi di Torino, Forest Science course.
Academic year	2015-2016
Student	Andrea Samorè
Academic degree	Msc
Supervising Professor	Eleonora Bonifacio
Title	
University/course	DISAFA, Università degli Studi di Torino, Forest Science course.
Education	
Dates	October 2018
Title	Habilitation to associate professorship (Pedology - Agr 14)
Dates	November 1th 2006 – December 17th 2009
Title	PhD in Environmental Sciences
Thesis	Soil ecology and pedogenesis on ophiolitic materials in the western Alps (Mont Avic Natural Park, North-western Italy): soil properties and their relationships with substrate, vegetation and biological activity.
Institution	Università degli Studi di Milano Bicocca, P.za Scienza 1, Milano
Date	October 1996 – November 10th 2003
Title	Graduation (Ms) in Environmental Sciences (100/110)
Thesis	Soils and environments in Mont Avic Natural Park (Aosta): first observations (tutor: prof F. Previtali)
Organization – institution	Università degli Studi di Milano Bicocca, P.za Scienza 1, Milano
Languages	
Mother tongue	Italian

Other languages

English

French

Further information

General: C1

General: B2

Driving licence B

Some of my hobbies are travelling, open air activities such as hiking, multi-day hiking, mountaineering, ski-touring, photography.

Some of my pictures are visible on: www.flickr.com/photos/supersky77

The products of my research are visible on:

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

PUBLICATION LIST

Publicazioni scientifiche su riviste ISI (n = 37; n° citazioni in data 31/1/2022 = 398; h index = 13)

- 1) Luino F., De Graff J., Biddoccu M., Faccini F., Freppaz M., Roccati A., Ungaro F., D'Amico M.E., Turconi L. (2022). The role of Soil Type in triggering shallow landslides in the Alps (Lombardy, Northern Italy). *Land* 2022(11):1125
- 2) Pintaldi E., D'Amico M.E., Colombo N., Martinetto E., Said-Pullicino D., Giardino M., Freppaz M. (2021) Hidden paleosols on a high-elevation Alpine plateau (NW Italy): Evidence for Lateglacial Nunatak? *Global and Planetary Change* 207. Doi: 10.1016/j.gloplacha.2021.103676
- 3) Stanchi S., Negri S., D'Amico M.E., Raimondo E., Bonifacio E. (2021). Atterberg limits fail in recognizing fragipan horizons. *Catena* 202:105282. doi:10.1016/j.catena.2021.105282.
- 4) Stanchi S., Zecca O., Hudek C., Pintaldi E., Viglietti D., D'Amico M.E., Colombo N., Goslino D., Letey M., Freppaz M. (2021). Effect of soil management on erosion in mountain vineyards (N-W- Italy). *Sustainability* 2021, 13. <https://doi.org/10.3390/su13041991>
- 5) D'Amico M.E., Casati E., Andreucci S., Martini M., Sequi D., Abu El Khair D., Previtali F. (2021). New dates of a Northern Italian loess deposit (Monte Orfano, Southern Pre-Alps, Brescia). *J. of Soils and Sediments*, <https://doi.org/10.1007/s11368-020-02860-4>.
- 6) Mainetti A., D'Amico M.E., Probo M., Quaglia E., Ravetto Enri S., Celi L., Lonati M. (2021). Plant and soil interdependent dynamics in a high-altitude alpine glacier chronosequence. *Frontiers in Env. Sci.* 8:615499, doi: 10.3389/fenvs.2020.615499
- 7) Pintaldi E., D'Amico M.E., Colombo N., Colombero C., Sambuelli L., De Regibus C., Franco D., Perotti L., Freppaz M. (2021). Hidden soils and their carbon stocks in high-elevation environments in the Alps (NW Italy). *Catena* 198:105044, doi: 10.1016/j.catena.2020.105044.
- 8) D'Amico M.E., Pintaldi E., Sapino E., Colombo N., Quaglino E., Stanchi S., Navillod E., Rocco R., Freppaz M. (2020). Soil Types of Aosta Valley (NW Italy). *Journal of Maps* 16(2):755-765, doi: 10.1080/17445647.2020.1821803
- 9) Negri S., Raimondo E., D'Amico M.E., Stanchi S., Basile A., Bonifacio E. (2020) Loess-derived polygenetic soils of North-Western Italy: A deep characterization of particle size, shape and color to draw insights about the past. *Catena* 196: 104892 doi: 10.1016/j.catena.2020.104892
- 10) Hudek C., Barni E., Stanchi S., D'Amico M.E., Pintaldi E., Freppaz M. (2020). Mid- and long-term ecological impacts of ski run construction on alpine ecosystems. *Scientific Reports* 10:11654. <https://doi.org/10.1038/s41598-0203-6417-7>
- 11) Colombo N., Ferronato C., Vittori Antisari L., Marziali L., Salerno F., Fratianni S., D'Amico M.E., Ribolini A., Godone D., Sartini S., Paro L., Morra di Cella U., Freppaz M. (2020) A rock-glacier - pond system (NW Italian Alps): Soil and sediment properties, geochemistry, and trace-metal bioavailability. *Catena* 194:104700. <https://doi.org/10.1016/j.catena.1200427000>
- 12) D'Amico M.E., Almeida J.P., Barbieri S., Castelli F., Sgura E., Sineo G., Martin M., Bonifacio E., Wallander H., Celi L. (2020) Ectomycorrhizal utilization of different phosphorus sources in a glacier forefront in the Italian Alps. *Plant Soil* 446:81-95. <https://doi.org/10.1007/s11104-019-04342-0>
- 13) Pintaldi E., Viglietti D., D'Amico M.E., Magnani A., Freppaz M. (2019) Abiotic parameters and pedogenesis as controlling factors for soil C and N cycling along an elevational gradient in a subalpine larch forest (NW Italy). *Forests* 2019,10 (8), 614. <https://doi.org/10.3390/f10080614>
- 14) Colombo N., Bocchiola D., Martin M., Confortola G., Salerno F., Godone D., D'Amico M.E., Freppaz M. (2019). High export of nitrogen and dissolved organic carbon from an Alpine glacier (Indren Glacier, NW Italian Alps). *Aquatic Sciences* (2019)81:74. <https://doi.org/10.1007/s00027-019-0670-z>
- 15) Casati E., D'Amico M.E., Šefrna L., Trombino L., Tunesi A., Previtali F. (2019). Geo-pedological contribution to the reconstruction of Holocene activity of Chaiten volcano (Patagonia, Chile). *Journal of South American Earth Science* 94:1-14. <https://doi.org/10.1016/j.jsames.2019.102222>
- 16) D'Amico M.E., Pintaldi E., Catoni M., Bonifacio E. (2019). Pleistocene periglacial imprinting on soils and paleosols in the SW Italian Alps. *Catena* 174:269-284. <https://doi.org/10.1016/j.catena.2018.11.019>
- 17) Raimondo E., Falsone G., D'Amico M.E., Stanchi S., Bonifacio E. (2018). Characteristics of fragipan B horizons developed on different parent materials in North-Western Italy. *Archives of Agronomy and Soil Science* 65(3):308-231. <https://doi.org/10.1080/03650340.2018.1504147>

- 18) Magnani A., Ajmone-Marsan F., D'Amico M.E., Balestrini R., Viviano G., Salerno F., Freppaz M. (2017). Soil properties and trace elements distribution along an altitudinal gradient on the southern slope of Mt. Everest, Nepal. *Catena* 162:61–71. <https://doi.org/10.1016/j.catena.2017.11.015>
- 19) Bonifacio E., D'Amico M.E., Catoni M., Stanchi S. (2017). Humus forms as a synthetic parameter for ecological investigations. Some examples from the Ligurian Alps. *Applied Soil Ecology* 123:568–571. <http://dx.doi.org/10.1016/j.apsoil.2017.04.008>
- 20) Pintaldi E., D'Amico M.E., Stanchi S., Catoni M., Freppaz M., Bonifacio E. (2017). Humus forms affect soil susceptibility to water erosion in the Western Italian Alps. *Applied Soil Ecology* 123:478–483. <http://dx.doi.org/10.1016/j.apsoil.2017.04.007>
- 21) Hudek C., Stanchi S., D'Amico M.E., Freppaz M. (2017). Quantifying the contribution of root system of alpine vegetation in the soil aggregate stability of moraine. *International Soil and Water Conservation Research* 5(1):36–42. <http://dx.doi.org/10.1016/j.iswcr.2017.02.001>
- 22) Stanchi S., Catoni M., D'Amico M.E., Falsone G., Bonifacio E. (2017). Liquid and plastic limits of clayey, organic C-rich mountain soils: Role of organic matter and mineralogy. *Catena* 151:238–246. <http://dx.doi.org/10.1016/j.catena.2016.12.021>
- 23) D'Amico M.E., Freppaz M., Zanini E., Bonifacio E. (2017). Primary vegetation succession and the serpentine syndrome: the proglacial area of the Verra Grande glacier, North-Western Italian Alps. *Plant Soil* 415:283–298. <http://dx.doi.org/10.1007/s11104-016-3165-x>
- 24) Mania I., D'Amico M.E., Freppaz M., Gorra R. (2016). Driving factors of soil microbial ecology in alpine, mid-latitude patterned grounds (NW Italian Alps). *Biology and Fertility of Soils* 52(1135):1148. <http://dx.doi.org/10.1007/s00374-016-1147-z>
- 25) Pintaldi E., D'Amico M.E., Siniscalco C., Cremonese E., Celi L., Filippa G., Prati M., Freppaz M. (2016). Hummock microtopography affects soil properties and the relationships between soil and vegetation in a subalpine grassland. *Catena* 145:214–226. <http://dx.doi.org/10.1016/j.catena.2016.06.014>
- 26) Catoni M., D'Amico M.E., Zanini E., Bonifacio E. (2016). Effect of pedogenic processes and formation factors on organic matter stabilization in alpine forest soils. *Geoderma* 263:151–160. <http://dx.doi.org/10.1016/j.geoderma.2015.09.005>
- 27) D'Amico M.E., Catoni M., Terribile F., Zanini E., Bonifacio E. (2015). Contrasting environmental memories in relict soils on different parent rocks in the south-western Italian Alps. *Quaternary International* 418:61–74. <http://dx.doi.org/10.1016/j.quatint.2015.10.061>
- 28) Bard A., Renard B., Lang M., Giuntoli I., Korck J., Koboltschnig G., Janža M., D'Amico M., Volken D. (2015). Trends in the hydrologic regime of Alpine rivers. *Journal of Hydrology* 529(3):1823–1837. <http://dx.doi.org/10.1016/j.jhydrol.2015.07.052>
- 29) Stanchi S., D'Amico M., Zanini E., Freppaz M. (2015). Liquid and plastic limits of mountain soils as a function of the soil and horizon type. *Catena*; 135:114–121. <http://dx.doi.org/10.1016/j.catena.2015.07.021>
- 30) D'Amico M.E., Gorra R., Freppaz M. (2015). Small-scale variability of soil properties and soil–vegetation relationships in patterned ground on different lithologies (NW Italian Alps). *Catena* 07/2015; 135:47–58. <http://dx.doi.org/10.1016/j.catena.2015.07.005>
- 31) Curtaz F., Stanchi S., D'Amico M.E., Filippa G., Zanini E., Freppaz M. (2015). Soil evolution after land-reshaping in mountains areas (Aosta Valley, NW Italy). *Agriculture Ecosystems and Environment*, 199:238–248. <http://dx.doi.org/10.1016/j.agee.2014.09.013>
- 32) Catoni M., D'Amico M.E., Mittelmeijer-Hazeleger M.C., Rothenberg G., Bonifacio E. (2014). Micropore characteristics of organic matter pools in cemented and non-cemented podzolic horizons. *European Journal of Soil Science*, 65 (5):763–773. <http://dx.doi.org/10.1111/ejss.12173>
- 33) D'Amico M.E., Freppaz M., Leonelli G., Bonifacio E., Zanini E. (2014). Early stages of soil development on serpentinite: the proglacial area of the Verra Grande Glacier, Western Italian Alps. *J. of Soils and Sediments* 15:1292–1310. <http://dx.doi.org/10.1007/s11368-014-0893-5>
- 34) D'Amico M.E., Bonifacio E., Zanini E. (2014). Relationships between serpentine soils and vegetation in a xeric inner-alpine environment. *Plant Soil* 376:111–128. <http://dx.doi.org/10.1007/s11104-013-1971-y>
- 35) D'Amico M.E., Freppaz M., Filippa G., Zanini E. (2014). Vegetation influences on soil formation rate in a proglacial chronosequence (Lys Glacier, NW Italian Alps). *Catena* 113:122–137. <http://dx.doi.org/10.1016/j.catena.2013.10.001>
- 36) D'Amico M.E., Previtali F. (2012). Edaphic influences of vegetation of ophiolitic substrates in the Western Italian Alps. *Plant and Soil*, 351:73–95. <http://dx.doi.org/10.1007/s11104-011-0932-6>
- 37) D'Amico M.E., Calabrese F., Rossetti A., Previtali F. (2009). Heavy metals and biological properties of subalpine soil on ophiolites in the western Italian Alps. *Soil and biota of serpentine: a World View. Northeastern Naturalist*, 16(Special Issue 5):193–214. <https://doi.org/10.1065/045.016.0516>
- 38) D'Amico M., Julitta F., Previtali F., Cantelli D. (2008). Podzolization on ophiolitic materials in the Western Alps. (Natural Park of Mont Avic, Aosta Valley, Italy). *Geoderma*, 146:129–137. doi:10.1016/j.geoderma.2008.0.0525

Altre pubblicazioni: libri e capitoli di libri, riviste non ISI, carte pedologiche pubblicate (n = 22)

- 39) Stanchi, S., **D'Amico, M.E.**, Pintaldi, E., Colombo, N., Freppaz, M., Romeo, R., 2021. Hotspots of organic C. Mountain Soils. In: In FAO and ITPS (Eds.) Recarbonizing global soils: A technical manual of best management practices, Volume 2. Hot spots and bright spots of soil organic carbon. Food and Agriculture Organization of the United Nations, Rome, Italy. <https://doi.org/10.4060/cb6378en>
- 40) Trèves C., Gallucci F., Navillod E., Vuillermoz P., Joly F., Freppaz M., D'Amico M.E. (2020). Regione Valle d'Aosta. In: Munafò M. (a cura di). Consumo di suolo, dinamiche territoriali e servizi ecosistemici. Edizione 2020. Report SNPA 15/20.

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- 44) Vrščaj B., D'Amico M.E., Pintaldi E., Geitner C., Freppaz M. (2019). Alpine Soil Calendar 2020. Ed. Kmetijski Institut Slovenije / Agricultural Institute of Slovenia, Ljubljana.
- 45) Geitner C., Freppaz M., Lesjak J., Schaber E., Stanchi S., D'Amico M.E., Vrscaj B. (2019). Soil Ecosystem Services in the Alps: An introduction for decision-makers. ISBN 978-961-6998-352. https://www.alpine-space.eu/projectlitnsk/s4soils/projectresults/-20191025_soilecosystemservicesinthealps-web.pdf
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- 47) Schaber E., Cocuzza, E., D'Amico, M., Pintaldi E., Simon, A., Geitner, C. (2019.) New soil data processing methods to provide soil information ecosystem service evaluation as a basis for sustainable soil management. Results from two Alpine case studies in the Aosta Valley (Italy) and in East Tyrol (Austria). Links4Soils project, available at: https://www.alpine-space.eu/projects/links4soils/projectresults/reports/dt222_data_processing_report.pdf
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- 53) Bonifacio E., Catoni M., D'Amico M., Martin M. (2012). 4.4. La mineralogia della frazione argillosa. In: Bonifacio E, Zanini E (a cura di): *Suoli e Paesaggi della Alpi Liguri – Giornate Pedologiche SIPE 2012*, XI edizione, Ormea (Cn). Ed. tipografia Testolin Bruno – Sarre (AO). ISBN 978-88-906931-1-3
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- 56) Bassignana M., Curtaz A., Curtaz F., D'Amico M., Filippa G., Freppaz M., Icardi M. (2011). *Manuale tecnico dei miglioramenti fondiari in zona montana. Esecuzione delle opera, problematiche e risultati*. Ed. IAR – Institut Agricole Régional, Aosta.
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- 58) Cremonese E., Morra di Cella U., D'Amico M. (2007). *Gli ambienti forestali del Parco Naturale Mont Avic*. Ed. Parco Naturale Mont Avic, Champdepraz(pp. 33).
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Report tecnici pubblicati (n = 2)

- 61) Gentilini A., D'Alessio M., D'Amico M.E., Pozzoni S., Agosti S., Sorrenti D. (2015). Studio della componente geologica, idrogeologica e sismica del Comune di Brugherio per la Variante Generale al Piano di Governo del Territorio. Comune di Brugherio (Mi).
- 62) D'Amico M.E., Pregnotato M. (2011): ADAPTALP project - WP4 - Water Regime in the Alpine Space: Soil Erosion in a Changing Environment Technical Report. Affiliation: CRASL – UniCatt.

Presentazioni, poster ed abstract presentati a convegni internazionali (n = 29)

EGU - Vienna, online, 4-8 May 2020:

- **D'Amico M.E., Casati E., Barcella M., Previtali F.: Aeolian inputs as parent materials for Podzols and terra-rossa soils in a dolomitic landscape in the Italian Alps (Salmezza, BG, Italy) (orale)**

ICOM 10 - Merida (Mexico) 12-June30 - July 5. 2019):

- **Almeida J.P., D'Amico M.E., Celi L., Castelli F., Sgura E., Sineo G., Martin M., Bonifacio E., Tunlid A., Persson P., Johansson T., Wallander H.: Iron reduction as a potential mechanism to improve phosphorus nutrition by EMF. (poster)**

EGU 2018 - Vienna, April 2018:

- **D'Amico M.E., Pintaldi E., Giardino M., Freppaz M., Bonifacio E.: Soils in Pleistocene large-scale sorted stripes and blockstreams and their paleoclimatic implications (orale)**
- **D'Amico M.E., Cappelletti C., Perotti L., Giardino M., Freppaz M.: Organic carbon-rich soils in periglacial landforms in a high elevation area, Western Italian Alps (poster).**

PSP6 - (Leuven, September 10-13 2018):

- **D'Amico M.E., Almeida J.P., Barbieri S., Castelli F., Sgrua E., Sineo G., Martin M., Bonifacio E., Wallander H., Celi L.: Ectomycorrhizal utilization of different phosphorus sources in a glacier forefront in the Italian Alps (oral presentation)**

9th International Conference on Serpentine Ecology - (Tirana, 2017, June 4-9):

- **D'Amico M.E., Freppaz M., Bonifacio E.: Early stages of the serpentine syndrome on the Alps: results from a proglacial area (orale)**
- **Bonifacio E., Martin M., D'Amico M.E., Castelli F., Sineo G., Almeida J.P., Wallander H., Celi L.: Phosphorus limitations and mycorrhizae in a proglacial serpentinic area. (poster).**

Biogeomon 2018 – Lytomisl 21-24 August 2017

- **Bonifacio E., Samoré A., D'Amico M.E., Zanzo E., Celi L.: The effect of soil on the invasiveness of alien species: the case of red oak (orale)**

European Geoscience Union (EGU) - (Vienna, 2015, April 13-May 17):

- **D'Amico M.E., Catoni M., Bonifacio E., Zanini E.: Pleistocene permafrost features in soils in the South-western Italian Alps (orale).**

XIII International Symposium and Field Workshop on Paleopedology (Torun, PL, September 1-6)

- **D'Amico M.E., Catoni M., Bonifacio E., Zanini E.: Ancient podzols in the South-western Italian Alps (orale)**

BIOGEOMON 2014: 8th International Symposium on Ecosystem Behavior (Bayreuth, DE, July 13-17)

- **Catoni M., D'Amico M.E., Bonifacio E.: Effect of litter quality and soil variables on the stabilization of organic matter**

European Geoscience Union (EGU) - (Vienna, 2014, April 27-May 2):

- **D'Amico M.E., Catoni M., Bonifacio E., Zanini E.: Contrasting environmental memories by ancient soils on different parent rocks in the South-western Italian Alps (orale).**

Soils in Space and Time - (Ulm (DE), September 30 - October 5):

- **D'Amico M.E., Freppaz M., Zanini E.: Vegetation and parent material influence on pedogenic rates in the Western Italian Alps (orale).**

Final Conference COST Action FP0803 - (Luchey Halde, Bordeaux, France, 2013, May 13-15):

- **Catoni M., D'Amico M., Mittelmeijer-Hazelegger M.C., Rothenberg G., Bonifacio E.: Effects of stabilization on soil organic matter porosity in cemented podzolic horizons. (Poster).**

European Geoscience Union (EGU) - (Vienna, 2013, April 7-12):

- **D'Amico M., Freppaz M., Zanini E.: Fast pedogenesis on proglacial areas: examples from Valle d'Aosta (north-western Italian Alps) (orale)**

Mountains Under Watch (MUW) - (Bard (Ao), 2013, February 20-21):

- **D'Amico M., Freppaz M., Zanini E.: Fast primary succession and pedogenesis on proglacial areas: examples from Valle d'Aosta Region (north-western Italian Alps) (poster).**

4th International Congress EUROSOIL (Bari, July 2012, 2-6):

- **D'Amico M.E., Stanchi S., Ratto S., Navillod E., Filippa G., Freppaz M., Zanini E.: Soil vulnerability assessment in mountain areas: the Val d'Aosta example. (orale). Abstract in: Mankind and environment. Bari, 2-6 July 2012, Bari: European Confederation of Soil Science Society, p. 94.**

7th International Conference on serpentine Ecology (Coimbra, Portugal, June 12-16 2011):

- D'Amico ME, Previtali F: Biogeochemistry of high altitude soils on ophiolites in the Western Italian Alps. (orale)
- D'Amico ME, Freppaz M, Zanini E: Climatic influence on pedogenesis and element availability in alpine soils on serpentinite (Aosta Valley, Italy). (poster).

5th International Conference on Cryopedology (Ulan Ude, Buryatia, Russia, 2009, September 14-20):

- D'Amico ME, Previtali F: Biogeochemistry of High Altitude Soils on Ophiolites in the Western Italian Alps; (orale).

European Geoscience Union (EGU). (Vienna, 2009, April 19-24):

- D'Amico M., Previtali F.: Heavy metal fractionation vs pedogenesis in subalpine and alpine soils on ophiolitic materials (poster).

6th International Conference on Serpentine Ecology (Bar Harbor, ME, USA, 2008, June 15-19):

- D'Amico M.E., Rossetti A., Calabrese C., Previtali F.: Heavy metals and their effects on biological activity in subalpine soils on serpentinite (Western Italian Alps). (Orale)

Soil Science Z'Vieri (Geography Department, Zurich University, 2008, March 19):

- D'Amico M.E.: Soils on ophiolitic materials in Mont Avic Natural Park (Val d'Aosta, Western Alps, Italy): pedogenesis and relationships with the biosphere. (Orale)

5th International Congress European Society Soil Conservation (Palermo, 2007, June 25-29):

- D'Amico M.E., Calabrese F., Rossetti A.: Heavy metals and their effects on biological activity in subalpine soils on serpentinite (Western Italian Alps). (Poster).

9es Journées Nationales de l'Étude des Sols (Angers, Francia, 2007, April 2-5):

- Podzolisation de matériaux ophiolitiques dans les Alpes Occidentales Italiennes: propriétés physiques, chimiques et minéralogiques (poster).

8th Czech Italian Meeting, 1st Czech Italian Bulgarian Meeting (Sofia, Bulgaria, 28/9-3/10 2006):

- D'Amico M., Julitta F., Previtali F., Cantelli D.: Podzolization over ophiolitic materials in Mont Avic Natural Park (Aosta, Italy); (orale).

Fourth Mediterranean Clay Meeting (Ankara, Turkey, September 5-8, 2006):

- D'Amico M., Julitta F., Bonifacio E., Cantelli D., Previtali F.: Clay Mineral formation and podzolization on mafic and ultramafic rocks in Mont Avic Natural Park (Aosta, Italy) (poster).

Vth International Conference on Serpentine Ecology (Siena, 9-13 May 2006):

- D'Amico M.E.: Soils and vegetation in Mont Avic Natural Park (Valle d'Aosta, Italy); (orale).
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Presentazioni, poster ed abstract presentati a convegni nazionali (n = 21)

Alla scoperta dei suoli alpini: la carta dei suoli della Valle d'Aosta - Bard, 6 Dec. 2019:

- D'Amico M.E.: Alla scoperta dei suoli alpini attraverso la nuova Carta dei Suoli della Valle d'Aosta (oral presentation)
- Presentazione della Carta dei Suoli della Valle d'Aosta e metodologie di definizione della vulnerabilità del suolo in ambiente alpino, considerazioni in merito alla Land Capability (oral presentation)

38° convegno GNGTS - Roma, 12-14 Nov. 2019:

- Colombero C., Colombo C., Comina C., D'Amico M.E., De Regibus C., Franco D, Freppaz M., Pintaldi E., Sambuelli L.: Indagini geofisiche per l'identificazione e lo studio di spessore e distribuzione laterale di suoli di alta quota (Plateau dello Stolemborg, Monte Rosa, 3030 m s.l.m.) (oral presentation)

Primo Congresso Congiunto SISS-SiPE "Il ruolo della scienza del suolo per gli obiettivi dello sviluppo sostenibile" - Palermo, 10-13/09/2018:

- Stanchi S., Negri S., D'Amico E.M., Raimondo E., Bonifacio E.. Limite liquido e plastico di suoli a fragipan. Book of Abstracts Primo Congresso Congiunto SISS-SiPE "Il ruolo della scienza del suolo per gli obiettivi dello sviluppo sostenibile", Palermo, 10-13/09/2018, p. 23.
- Colombo N., Stanchi S., Barni E., D'Amico E.M., Hudek C., Pintaldi E., Francione C., Torretta F., Freppaz M.. Esperienze del Progetto "LINKS4SOILS" nel comprensorio Monterosaski: realizzazione e gestione di piste da sci. Book of Abstracts Primo Congresso Congiunto SISS-SiPE "Il ruolo della scienza del suolo per gli obiettivi dello sviluppo sostenibile", Palermo, 10-13/09/2018, p. 35

Convegno SISS – Soil: a World to discover - Ancona, 5-7 Dicembre, 2016:

- D'Amico M.E., Gallo G., Cremonese E., Morra di Cella U., Isabellon M., Filippa G., Pintaldi E., Freppaz M.. Accumulo di sostanza organica in suoli interessati dalla potenziale presenza di permafrost sporadico (Alpi Liguri e Pennine). Abstract in: Libro riassunti poster Convegno SISS 2016; p. 25.
- Villa A., D'Amico M.E., Bonifacio E., Martin M., Turner B.L., Freppaz M., Celi L.. Phosphorus cycling along a subalpine proglacial soil chronosequence in the Italian Alps. Abstract in: Libro riassunti poster Convegno SISS 2016; p. 13.
- Stanchi S., Catoni M., D'Amico M.E., Falsone G., Bonifacio E.: Relazioni tra limiti di Atterberg e proprietà di suoli forestali: aspetti metodologici, quantitativi e qualitativi. Abstract in: Libro riassunti poster Convegno SISS 2016; p. 46.
- Raimondo E., Celi L., D'Amico M.E., Falsone G., Stanchi S., Bonifacio E.. Proprietà chimiche e mineralogiche di orizzonti B fragipan e non fragipan. Abstract in: Libro riassunti poster Convegno SISS 2016; p. 60.

110° Congresso della Società Botanica Italiana onlus (IPSC) - Pavia; 09/2015

- Siniscalco C., Pintaldi E., Cremonese E., Filippa G., Celi L., Freppaz M., Galvagno M., Barnui E., D'Amico M., Morra di Cella U.: Microtopography enhances the coexistence of different plant functional types and consequently extends the growing season in subalpine grasslands.

Convegno SISS – La centralità del suolo nel sistema agrario e forestale - (Roma, 1-3 Dicembre, 2015):

- Hudek C., Stanchi S., D'Amico M., Freppaz M. The effect of plant roots on the soil aggregate stability of moraine. Abstract in: "Suoli di Qualità per una Vita di Qualità". Libro dei riassunti. Roma, 1-3 dicembre 2015, Roma: Società Italiana Scienza del Suolo, p. 57, ISBN/ISSN: 9788894067910
- Stanchi S., Catoni M., D'Amico M., Bonifacio E.. Limite liquido e plastico di suoli forestali delle Alpi Liguri: relazioni con sostanza organica e argille. In: "Suoli di Qualità per una Vita di Qualità". Libro dei riassunti. Roma, 1-3 dicembre 2015, Roma: Società Italiana Scienza del Suolo, p. 60 ISBN/ISSN: 9788894067910

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- M. Catoni, M. D'Amico, M.C. Mittelmeijer, G. Rothenberg, E. Bonifacio: Micropore characteristics of organic matter in cemented and non-cemented spodic horizons (orale).
- Hudek C., Stanchi S., D'Amico M., Freppaz M (2015). The effect of plant roots on the soil aggregate stability of moraine. Abstract in: "Suoli di Qualità per una Vita di Qualità". Libro dei riassunti. Roma, 1-3 dicembre 2015, Roma: Società Italiana Scienza del Suolo, p. 57, ISBN/ISSN: 9788894067910

Giornate pedologiche SIPE – XI edizione (Ormea (Cn), September 19-21 2012):

- Presentazione di profili pedologici.

Convegno SISS (Ravenna – Imola, June 7-9 2011):

- D'Amico ME, Stanchi S, Ratto S, Navillod E, Filippa G, Freppaz M, Zanini E: La vulnerabilità dei Suoli in ambiente alpino: l'esempio della regione Valle d'Aosta. (poster).

Seminario nazionale: Suoli e humus degli ambienti alpini (Trento, 2009 July 1-3):

- D'Amico ME, Previtali F: Metalli pesanti nei suoli alpini su substrati ofiolitici (orale).

7° convegno SISS (Perugia, 2009, June 15-18):

- D'Amico M., Calabrese F., Julitta F., Rossetti A., Cantelli D., Previtali F.: Suoli e Ambienti alpini nel Parco Naturale del Mont Avic (Aosta). (Poster).

Una nuova geologia per la Lombardia (Milano, 2008, November 6-7):

- Rossetti A., Comolli R. D'Amico M., Ferré C., Moia F., Previtali F.: Metodi qualitativi di valutazione dell'erosione idrica nei suoli di montagna. (poster).
- Previtali F., Ballabio C., Casati E., Comolli R., D'Amico M., Ferré C.: Una testimonianza paleoambientale nella pianura lombarda: la petroplintite e il fragipan del pianalto di Romanengo (Cremona).

5° convegno SISS (Milano - Chiavenna (So), 2007, July 6-10):

- D'Amico M., Calabrese F., Julitta F., Rossetti A., Cantelli D., Previtali F.: "Suoli e Ambienti Forestali nel Parco Naturale del Mont Avic (Aosta). (Poster).