

PERSONAL INFORMATION



Annamaria Giorgi

📍 University of Milan - via Celoria, 2 Milano and via Morino 8 Edolo (Italy)

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WORK EXPERIENCE

Full professorship in environmental and applied botany (BIO/03) – qualification (“abilitazione scientifica nazionale”) November 2017/November 2023

Associate Professor in environmental and applied botany - current academic position

University of Milan

Teaching, research, and management

2017–Present Scientific coordinator of the research center GESDIMONT - UNIMONT, University Centre of Excellence of the University of Milan (Rectoral decree 966/2018 del 27/02/2018)

University of Milan

Coordination of experimental and research activities; scientific, administrative and human resources management

12/2016–Present Scientific director and coordinator of the "italian Mountain Project" - 12.01. 2016 FISIR project - CIPE funds for research (resolution n. 71/2016) (17A01736) GU n.56 del 8-3-2017

University of Milan

Coordination and management of educational and research activities foreseen in the “Italian Mountain Lab” project. Scientific, administrative and human resources management

01/2016–Present Leader of the Action Group 1 “To develop an effective research and innovation ecosystem” in the framework of the European Strategy for Alpine Region - EUSALP (EU DG REGIO)

Coordination of a EU working group on research and innovation composed by representatives of 48 regions and 7 States composing the Alpine Region (ITA, SLO, CH, AU, DE, FR, FL)

2012–2016 Managing director of the Centre of Applied Studies for the Sustainable Management and Protection of Mountain Areas - GeSDiMont - Interdepartmental centre of the University of Milan - Edolo (BS) - (Rectoral decree Reg. n. 0281878 30/10/2012) University of Milan - campus decentralized at Edolo (BS)

University of Milan

Coordination of experimental and research activities; scientific, administrative and human resources management

2011–2016 Coordinator of the working group established by the Framework Agreement

- between the Minister of education and research and University of Milan on
"Mountain University" exploitation University of Milan Rector's decree Reg. n.
276663 20/12/2011
University of Milan
Coordination and management of educational and research activities programmed in the "Mountain
University" framework agreement. Monitoring, reporting and communication activities.
- 07/2013–Present Vice President of the Regional Agency for Services in Agriculture and Forestry of
Regione Lombardia
Regione Lombardia, Milan
- 07/2013–Present Member of the technical working group on medicinal and aromatic plants of the
Italian Ministry of Agricultural, Food and Forestry Policies (region conference, prot.
Nr.3281/DES-99AGR 15/07/2013)
Ministry of Agricultural, Food and Forestry Policies – Roma
- 2013–2015 Coordinator of the Task Force "nuove Leve per le Alpi" Italian Presidency of the
Alpine Convention – Italian Ministry of Environment
Ministry of Environment – Roma
- 2010–Present Italian delegate in the International Scientific Committee on Research in the Alps -
ISCAR. www.iscar-alpineresearch.org
Bern (CH)
Delegated by the Department of the Regional Affairs of the Presidenza del Consiglio dei Ministri (prot.
2387/GAB)
- 2011–2015 President of ISCAR - International Scientific Committee on Research in the Alps -
ISCAR - International Scientific Committee on Research in the Alps - www.iscar-alpineresearch.org
ISCAR, Bern (Switzerland)
Promotion of interdisciplinary research on the Alps and the transfer of scientific knowledge to
policymakers and the general public. Stimulation of scientific research of relevance for the Alps as well
as their implementation within international or mountain research programmes. Partners: Austrian
Academy of Sciences – Vienna, Bavarian Academy of Sciences and Humanities – Munich, Irstea
(former Cemagref) – Grenoble, Université Joseph Fourier – Grenoble, Slovenian Academy of
Sciences and Arts – Ljubljana, Swiss Academies of Arts and Sciences – Berne.
- 2009–2010 General Manager of EIM - Ente Italiano della Montagna - Italian Mountain Institute
– National public research institute for the scientific support to the definition of
policies for the valorization and development of mountain areas
Ente Italiano della Montagna - Piazza dei Caprettari 70, Roma
General Management: research, administrative and human resources responsibility
- 2009–2016 Member of the board of of the Centre of Applied Studies for the Sustainable
Management and Protection of Mountain Areas - GeSDiMont - Interdepartmental
centre of the University of Milan - Edolo (BS).
University of Milan

- 2006 **University researcher**
University of Milan
Research, teaching and education activities. Management of the "mountain university" the excellence center of the University of Milan placed in Edolo (BS)
- 2004–2005 **Highly experienced technician in the technical, scientific and data processing sector**
University of Milan
- 2002–2003 **Two-year Research Fellowship at the Department of Plant Production of the University of Milan**
University of Milan
Research activity
- 1998–2005 **AD of "Alternativa Ambiente", start up on environmental education and dissemination activities, managing of the "Adamello" Regional Park Center in Vezza d'Oglio**
Alternativa Ambiente s.n.c., Vezza d'Oglio - BS-
- 1995–1997 **Researcher**
Pharmacia, Nerviano - MI-
Researcher in experimental oncology

Teaching experience

University of Milan:

BSc in 'Conservation and Sustainable Development of Mountain Areas'

Applied Botany 2006 - current

BSc in 'Herbal sciences' – 2006-2012

Applied Botany 2006-2012

Master in "Natural products"

Herbal drugs production 2007-2009

Coordinator of the course in "Project management for mountain areas 2012 - 2015 Tutoring activity 2006 – current

Coordinator of the course in "Sustainable Tourism in Mountain Areas"

EDUCATION AND TRAINING

Degree in Biological Sciences

University of Milan

Specialization in "Herbs in research and practices"

University of Pisa

State licence to practice as a biologist

State licence to teach science

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C2	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Communication skills Excellent written, verbal communication skills and team working skills; good public speaking, to groups, or via electronic media; results-oriented problem solver; experienced in successful management of diverse groups of people;

Organisational / managerial skills Extensive experience providing project management and consulting services in technical, scientific and educational areas concerning tools and activities for the valorization and development of territories, particularly regarding mountain areas; proven leadership and organizational abilities; able to prioritize and operate proactively; fundraising skills. Administrative skills, acquired in the direction and participating to the board of public institutions, complete the professional profile.
 Abilities in team working, problem solving and public relation keeping were extensively acquired and developed during professional experience.

Job-related skills Professional Organization Memberships
 Società Botanica Italiana (SBI) Società Italiana di Chimica Agraria(SICA) Società Italiana di Fitochimica (SIF) dal 2007 Groupe Polyphenols Società Italiana delle Scienze e delle Tecniche Erboristiche (SISTE) ISCAR - International Scientific Committee on Research in the Alps MRI - Mountain Research Initiative Euromontana
Reviewer
 Food Chemistry; Natural Product Research; Plant science; Plant Foods for Human Nutrition; International Journal of Agricultural and Food Science; Molecules
Publications
 Author and coauthor of more than 70 publications in leading refereed international journals devoted to mountain areas development and valorization, plant production, phytochemical, ecological and botanical aspects

ADDITIONAL INFORMATION

I authorize the consultation of my personal data according to the italian "Decreto Legislativo 30 giugno 2003, n. 196"

ANNEXES

- PUBLICATIONS - May 2018.pdf
- Research Projects - May 2018.pdf

PUBLICATIONS - May 2018.pdf

PUBLICATIONS:

International publications (WOS-Scopus)

Giupponi L., **Giorgi A.** (2018). Contributions of the knowledge of *Linaria tonzigii* Lona, a steno-endemic species of the Orobic Bergamasche Regional Park (Italian Alps). *Eco.mont* 11(1): xx-xx (in print).

Pavlovic R., Nenna G., Calvi L., Panseri S., Borgonovo G., Giupponi L., Cannazza G., **Giorgi A.** (2018). Quality traits of "cannabidiol oils": cannabinoids content, terpene fingerprint and oxidation stability of european commercially available preparations. *Molecules* 23(5): 1920. DOI: 10.3390/molecules23051230

Giupponi L., Tamburini A., **Giorgi A.** (2018). Prospects for broader cultivation and commercialization of copafam, a local variety of *Phaseolus coccineus* L., in the Brescia pre-Alps. *Mountain Research and Development* 38(1): 24-34. DOI: 10.1659/MRD-JOURNAL-D-17-00013.1

Hajdari A., **Giorgi A.**, Beretta G., Gelmini F., Buratti S., Benedetti S., Mercouri A., Mala X., Kabashi S., Pentimalli D., Pula B., Mustafa B. (2018). Phytochemical and sensorial characterization of *Hyssopus officinalis* subs. *aristatus* (godr.) Nyman (Lamiaceae) by GC-MS, HPLC-UV-DAD, spectrophotometric assay and e-nose with aid of chemometric techniques. *European Food Research and Technology*, DOI: 10.1007/s00217-018-3046-z.

Calvi L., Pentimalli D., Panseri S., Giupponi L., Gelmini F., Beretta G., Vitali D., Bruno M., Zilio E., Pavlovic R., **Giorgi A.** (2017). Comprehensive quality evaluation of medical *Cannabis sativa* L. inflorescence and macerated oils based on HS-SPME coupled to GC-MS and LC-HRMS (Q-exactive Orbitrap®) approach. *Journal of Pharmaceutical and Biomedical Analysis* 150: 208-219. DOI: 10.1016/j.jpba.2017.11.073

Giorgi A., Bassoli A., Borgonovo G., Panseri S., Manzo A., Pentimalli D., Moriello A.S., De Petrocellis L. (2017). Extracts and compounds active on TRP ion channels from *Waldheimia glabra*, a ritual medicinal plant from Himalaya. *Phytomedicine* xx-xx-xx (online 01.05.2017)
<http://www.sciencedirect.com/science/article/pii/S0944711317300600>

Giupponi L., **Giorgi A.** (2017). Mount Cavallo Botanical Path: a proposal for the valorisation of an area of the Orobic Bergamasche Regional Park (Southern Alps). *Eco.mont* 9(2): 5-15. doi: 10.1553/eco.mont-9-2s5. <http://epub.oeaw.ac.at/?arp=0x00369c69>

Giupponi L., Pentimalli D., Manzo A., Panseri S., **Giorgi A.** (2017). Effectiveness of fine root fingerprinting as a tool to identify plants of the Alps: results of preliminary study. *Plant Biosystems* xx:xxx-xxx (online 03.04.2017). <http://www.tandfonline.com/doi/abs/10.1080/11263504.2017.1306003>

Giupponi L., Bischetti G.B., **Giorgi A.** (2017). A proposal for assessing the success of soil bioengineering work by analysing the vegetation: results of two case studies in the Italian Alps. *Landscape and Ecological Engineering* 13(2): 305-318. <https://link.springer.com/article/10.1007/s11355-016-0323-5>

Pentimalli D., Giupponi L., Panseri S., **Giorgi A.** (2017). L'oro rosso della montagna. *Natural* 1 XVI(160): 50-56.

Giorgi A., Pentimalli D., Giupponi L., Panseri S. (2017). Quality traits of saffron (*Crocus sativus* L.) produced in the Italian Alps. *Open Agriculture* 2: 52-57.
<https://www.degruyter.com/view/j/opag.2017.2.issue-1/opag-2017-0005/opag-2017-0005.xml?format=INT>

Giupponi L., Bischetti G.B., **Giorgi A.** (2017). Vegetation analysis and estimation of forest reconstitution time in protected areas of Val Camonica (Southern Alps) where a commercial mixture of seeds was sown. *Eco.mont* 9(1): 22-29. http://epub.oeaw.ac.at/0xc1aa500e_0x0034c883.pdf

Costanzo A., Panseri S., **Giorgi A.**, Romano A., Caprioli M., Saino N. (2016). The odour of sex: sex-related differences in volatile compound composition among barn swallow eggs carrying embryos of either sex. *PLoS ONE* 11(11): e0165055. Doi:10.1371/journal.pone.0165055
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0165055>

L.M. Chiesa, G.F. Labella, **A. Giorgi**, S. Panseri, R. Pavlovic, S. Bonacci, F. Arioli (2016). The occurrence of pesticides and persistent organic pollutants in Italian organic honey from different productive areas in relation to potential environmental pollution. *Chemosphere* vol. 154, p. 482-490, ISSN: 0045-6535, doi: 10.1016/j.chemosphere.2016.004

A. Manzo, L. Musso, S. Panseri, M. Iriti, S. Dallavalle, E. Catalano, G. Scari, **A. Giorgi** (2016). Screening of the chemical composition and bioactivity of *Waldheimia glabra* (Decne.) Regel essential oil. *Journal of the Science of Food and Agriculture* vol. 96 (9), p. 3195-3201, ISSN: 0022-5142, doi: 10.1002/jsfa.7499. Version of record online: 15 October 2015

E. Cassani, E. Cantaluppi, M. Landoni, L. Giupponi, **A. Giorgi**, R. Pilu (2016). Genetic studies regarding the control of seed pigmentation of an ancient European pointed maize (*Zea mays* L.) rich in phlobaphenes: the "Nero Spinoso" from the Camonica valley. *Genetic Resources and Crop Evolution*, p. 1-13, <http://link.springer.com/article/10.1007/s10722-016-0399-7> - ISSN (online): 1573-5109, doi: 10.1007/s10722-016-0399-7- Version of record online: 22 April 2016

A. Giorgi, T. Scheurer (2015). Alpine Resources: Assets for a Promising Future – Conclusions from the Forum Alpinum 2014. *Mountain Research and Development* vol. 35 (4), p. 414-415. Online ISSN: 1994-7151 doi: <http://dx.doi.org/10.1659/MRD-JOURNAL-D-15-00061> - Version of record online: November 2015

A. Manzo, S. Panseri, D. Bertoni, **A. Giorgi** (2015). "Economic and qualitative traits of Italian Alps saffron" *Journal of Mountain Science*, vol. 12 (6), p. 1542 – 1550 ISSN: 1672-6316, doi: 10.1007/s11629-015-3448-3

L. Giupponi, G.B. Bischetti, **A. Giorgi** (2015). Ecological Index of Maturity (EIM) to evaluate the vegetation disturbance of areas affected by restoration work: a practical example of its application in an area of the Southern Alps. *Restoration Ecology* vol. 23 (5), p. 635-644. ISSN: 1061-2971, Doi: 10.1111/rec12232

C. Lago, M. Landoni, E. Cassani, E. Cantaluppi, E. Doria, E. Nielsen, **A. Giorgi**, R. Pilu (2015). Study and characterization of an ancient European flint white maize rich in anthocyanins: Millo Corvo from Galicia. *PLoS ONE* vol. 10(5), p. 1-16, ISSN 1932-6203, doi: 10.1371/journal.pone.0126521
<http://www.ncbi.nlm.nih.gov/pubmed/25961304>

M. Montagna, B. Chouaia, G. Mazza, E.M. Prosdocimi, E. Crotti, V. Mereghetti, V. Vacchini, **A. Giorgi**, et al. (2015). Effects of the Diet on the Microbiota of the Red Palm Weevil (Coleoptera: Dryophthoridae). *PLoS ONE* vol. 10(1), p. 1-22 ISSN: 1932-6203, doi:10.1371/journal.pone.0117439
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0117439>

A. Giorgi, A. Manzo, C. Nanayakkarawasam Masachchige, L. Giupponi, M. Cocucci, S. Panseri (2015). Effect of Biotic and Abiotic Stresses on Volatile Emission of *Achillea collina* Becker ex Rchb. *Natural Product Research*, vol. 29(18) p. 1695-1702, ISSN: 1478-6427 doi: 10.1080/14786419.2014.997725

M. Montagna M, B. Chouaia, L. Sacchi, D. Porretta, E. Martin, **A. Giorgi**, GC. Lozzia, S. Epis (2014). A New Strain of *Wolbachia* in an Alpine population of the viviparous *Oreina cacaliae* (Coleoptera: Chrysomelidae). *Environmental Entomology* vol. 43(4), p. 913-922, ISSN: 0046-225X, doi: 10.1603/EN13228

M. Montagna, J. Gómez-Zurita, **A. Giorgi**, S. Epis, GC. Lozzia, C. Bandi (2014). Metamicrobiomics in herbivore beetles of the genus *Cryptocephalus* (Chrysomelidae): Towards the understanding of ecological determinants in insect symbiosis. *Insect Science*, vol 22(3) p. 340 – 352, ISSN: 1672-9609, doi:

10.1111/1744-7917.12143

G. Leonelli, M. Pelfini, S. Panseri, G. Battipaglia, L. Vezzola, **A. Giorgi** (2014). Tree-ring stable isotopes, growth disturbances and needles volatile organic compounds as environmental stress indicators at the debris covered Miage Glacier (Monte Bianco Massif, European Alps). *Geografia Fisica e Dinamica Quaternaria* vol. 37 (2) pp.101-111, ISSN:0391-9838, doi:10.4461/GFDQ.2014.37.09

A. Manzo, S. Panseri, I. Vagge, **A. Giorgi** (2014). Volatile fingerprint of Italian populations of orchids using Solid Phase Microextraction and Gas Chromatography coupled with Mass spectrometry. *Molecules*, vol. 19(6), p. 7913-7936, ISSN: 1420-3049, doi: 10.3390/molecules19067913

A. Giorgi, A. Manzo, I. Vagge, S. Panseri (2014). Effect of Light Environment on Growth and Phenylpropanoids of Yarrow (*Achillea collina* cv. SPAK) Grown in the Alps. *Photochem. Photobiol.* vol. 90(1) p.113-120, ISSN: 0031- 8655 doi: 10.1111/php.12150

S. Panseri, A. Catalano, **A. Giorgi**, F. Arioli, A. Procopio, D. Britti, L.M. Chiesa (2014). Occurrence of pesticide residues in Italian honey from different areas in relation to its potential contamination sources. *Food Control* vol. 38, p. 150-156, ISSN: 0956-7135, doi: 10.1016/j.foodcont.2013.10.024

A. Giorgi, S. Panseri, M. Mattara, C. Andreis, L.M. Chiesa (2013). Secondary metabolites and antioxidant capacities of *Waldheimia glabra* (Decne.) Regel from Nepal. *Journal of the science of food and agriculture*, vol. 93 (5), p. 1026-1034, ISSN: 0022-5142, doi: 10.1002/jsfa.5839

G. C. Lozzia, **A. Giorgi**, P. Morlacchi, J. Baumgärtner (2013). Comments on the dynamics of insect population assemblages and sampling plans for aphids in commercial alpine yarrow fields. *Bulletin of Insectology*, vol. 66, p. 35-43, ISSN: 1721-8861

A. Giorgi, P. De Marinis, G. Granelli, L. M. Chiesa, S. Panseri (2013). Secondary Metabolite Profile, Antioxidant Capacity, and Mosquito Repellent Activity of *Bixa orellana* from Brazilian Amazon Region. *Journal of Chemistry*, vol. 2013 Article ID 409826, 10 pages, ISSN: 2090-9063, doi: 10.1155/2013/409826

M. Montagna, D. Sassi, **A. Giorgi** (2013). *Pachybrachis holerorum* (Coleoptera: Chrysomelidae: Cryptocephalinae), a new species from the Apennines, Italy, identified by integration of morphological and molecular data. *Zootaxa*, 3741(2), pp. 243-253 doi: 10.11646/zootaxa.3741.2.3

S. Panseri, A. Manzo, L.M. Chiesa, **A. Giorgi** (2013). Melissopalynological and volatile compounds analysis of buckwheat honey from different geographical origins and their role in botanical determination. *Journal of Chemistry*, vol. 213, p.1-11, ISSN 2090-9063, 2090-9071, doi: 10.1155/2013/904202

A. Giorgi, S. Panseri, C. Nanayakkarawasam Masachhige, L. M. Chiesa (2012). HS-SPME-GC/MS analysis of the volatile compounds of *Achillea collina*: evaluation of the emissions fingerprint induced by *Myzus persicae* infestation. *Journal of plant biology*, vol. 55, p. 251-260, ISSN: 1226-9239, doi: 10.1007/s12374-011-0356-0

S. Panseri, L.M. Chiesa, C.N. Nanayakkarawasam Masachhige, M. Mattara, **A. Giorgi** (2012). Comparison of Volatile compounds induced by aphids and mechanical damage in *Achillea collina*. *Acta Horticulturae*, vol. 955, p. 275-280, ISSN: 0567-7572

M. Montagna, G.C. Lozzia, **A. Giorgi**, J. Baumgartner (2012). Insect community structure and insect biodiversity conservation in an Alpine wetland subjected to an intermediate diversified management regime. *Ecological Engineering*, vol. 47, p. 242-246, ISSN: 0925-8574, doi: 10.1016/j.ecoleng.2012.06.025

A. Giorgi, M. Madeo, J. Baumgartner, G. C. Lozzia (2011). The relationships between phenolic content, pollen diversity, physicochemical information and radical scavenging activity in honey. *Molecules*, vol. 16, p. 336-347, ISSN: 1420-3049, doi: 10.3390/molecules16010336

P. Morlacchi, **A. Giorgi**, G.C. Lozzia, J. Baumgartner (2011). The performance of *Macrosiphoniella millefolii* and *Myzus persicae* on *Achillea collina*. *Bulletin of Insectology*, vol. 64, p. 135-143, ISSN: 1721-8861

A. Tamburini, A. Briganti, **A. Giorgi**, A. Sandrucci (2011). Preliminary study of body measurements on alpacas in North Italy. In: M.A. Perez-Cabal; J.P. Gutierrez; I. Cervantes; M.J. Alcade. *Fibre production in South American camelids and other fibre animals*. p. 209-213, Wageningen Academic Publishers, ISBN: 9789086861729

C.N. Nanayakkarawasam Masachchige, **A. Giorgi**, S. Panseri, G.C. Lozzia, L.M. Chiesa, P. Biondi, M. Cocucci (2011). *Achillea collina* response to biotic and abiotic stresses: a comparative evaluation of volatile emissions pathways. *Planta Medica*, vol. 77, p. 1234-1235, ISSN: 0032-0943, doi: 10.1055/s-0031-1282097

C. Nanayakkarawasam Masachchige, **A. Giorgi**, S. Panseri, L.M. Chiesa, P.A. Biondi, G.C. Lozzia, M. Cocucci (2011). Influence of aphids infestation on yarrow growth, biomass and total volatile emissions. *Minerva Biotechnologica*, vol. 23, p. 28-31, ISSN: 1120-4826

A. Giorgi, M. Madeo, G. Speranza, M. Cocucci (2010). Influence of environmental factors on composition of phenolic antioxidants of *Achillea collina* Becker ex Rchb. *Natural product research*, vol. 24, p. 1546-1559, ISSN: 1478-6419, doi: 10.1080/14786419.2010.490656

A. Giorgi, S. Panseri, C. Nanayakkarawasam Masachchige, G.C. Lozzia, L. Chiesa, S. Soncin, P. Biondi, M. Cocucci (2010). HS-SPME method to monitoring "in vivo" volatile compounds emitted from *Achillea collina* infested by aphids. *Planta Medica*, vol. 76, p. 1337, ISSN: 0032-0943, doi: 10.1055/s-0030-1264860

A. Giorgi, R. Bombelli, A. Luini, G. Speranza, M. Casentino, S. Lecchini, M. Cocucci (2009). Antioxidant and cytoprotective properties of infusions from leaves and inflorescences of *Achillea collina* becker ex rchb. *Phytotherapy Research*, vol. 23, p. 540-545, ISSN: 0951-418X, doi: 10.1002/ptr.2679

A. Giorgi, S. Panseri, C.N. Nanayakkarawasam Masachchige, M. Madeo, M. Mingozi, P. Morlacchi, L.M. Chiesa, P.A. Biondi (2009). HS-SPME-GC-MS method development of volatile constituents from *Achillea collina*. *Planta Medica*, vol. 75, p. 1042, ISSN: 0032-0943

M. Madeo, S. Guglielmetti, G. Speranza, G.C. Lozzia, **A. Giorgi** (2009). Evaluation of phenolic composition and a biological activity of honey. *Planta Medica*, vol. 75, p. 1053, ISSN: 0032-0943

A. Giorgi, M. Madeo, M. Mingozi, G. Speranza, M. Cocucci (2009). Effect of nitrogen starvation on the phenolic metabolism and antioxidant properties of yarrow (*Achillea collina* Becker ex Rchb). *Food Chemistry*, vol. 114, p. 204-211, ISSN: 0308-8146, doi: 10.1016/j.foodchem.2008.09.039

A. Giorgi, G.L. Licheri, M. Mingozi, M. Cocucci (2007). Influence of light irradiance on total phenols content, antioxidant capacity, growth and photosynthetic pigments of yarrow grown in fields and controlled environment. *Planta Medica*, vol. 73, p. 1020, ISSN: 0032-0943, doi: 10.1055/s-2007-987420

M. Bononi, **A. Giorgi**, M. Cocucci, F. Tateo (2006). Evaluation of productivity and volatile compounds' quality of *Artemisia absinthium* L. planted in Valle Camonica (Italy). *Journal of the Science of Food and Agriculture*, vol. 86, p. 2592-2596, ISSN: 0022-5142, doi: 10.1002/jsfa.2653

A. Giorgi, M. Bononi, F. Tateo, M. Cocucci (2005). Yarrow (*Achillea millefolium* L.) growth at different altitudes in central Italian alps: biomass yield, oil content and quality. *Journal of Herbs, Spices & Medicinal Plants*, vol. 11, p. 47-58, ISSN: 1049-6475, doi: 10.1300/J044v11n03_05

E. Onelli, A. Rivetta, **A. Giorgi**, M. Bignami, M. Cocucci, G. Patrignani (2002). Ultrastructural studies on the developing secretory nodules of *Hypericum perforatum*. *Flora*, vol. 197, p. 92-102, ISSN: 0367-2530,

doi: 10.1078/0367-2530-00019

Other international peer review publications

Giorgi A., Pentimalli D., Giupponi L., Panseri S. (2017). Quality traits of saffron (*Crocus sativus* L.) produced in the Italian Alps. *Open Agriculture* 2: 52-57.
<https://www.degruyter.com/view/j/opag.2017.2.issue-1/opag-2017-0005/opag-2017-0005.xml?format=INT>

Giupponi L., **Giorgi A.** (2016). Effetti di un incendio sulla vegetazione di un versante montuoso delle Prealpi Bergamasche. *Rivista del Museo Civico di Scienze Naturali "E. Caffi" di Bergamo* 29:3-20.
http://www.unimontagna.it/web/uploads/2017/01/Museo-Bg-Giupponi_Giorgi_2016_vol_29.pdf

Giupponi L., Bischetti G.B., **Giorgi A.** (2017). Vegetation analysis and estimation of forest reconstitution time in protected areas of Val Camonica (Southern Alps) where a commercial mixture of seeds was sown. *Eco.mont* 9(1): 22-29. http://epub.oeaw.ac.at/0xc1aa500e_0x0034c883.pdf

M. Montagna, G.C. Lozzia, C. Andreis, **A. Giorgi**, J. Baumgartner (2011). The beetle (Coleoptera) and True bug (Heteroptera) species pool of the alpine "Pian di Gembro" wetland (Villa di Tirano, Italy) and its conservation. *Journal of entomological and acarological research*, vol. 43, p. 7-22, ISSN: 2038-324X

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2018 – SMART ALTITUDE – ALPINE SPACE PROGRAMME, CALL 2017. Duration: 3 years –

2017 – RESEARCH LABORATORIES IN THE ALPINE AREA (RE-SEARCH ALPS) - ID: TENtec number: 27036952 Funded by: Programme Connecting Europe Facility 2014-2020 CEF TELECOM - CEF-TC-2016-2 Role: Scientific coordinator UNIMI

2017 – ITALIAN MOUNTAIN LAB – FISIR Project 2016 Funded by Italian Minister of Education and Research Duration: 3 years Role: coordinator and scientific responsible

2017 - SCIENTIFIC COLLABORATION WITH LOMBARDY REGION FOR THE EUROPEAN ALPINE MACROREGION STRATEGY -EUSALP- IMPLEMENTATION. Duration: 1 year Funded by Lombardy Region - Role: coordination and scientific responsible

2017 – SCIENTIFIC COLLABORATION AND TECHNICAL SUPPORT TO THE DEVELOPMENT OF A DEVELOPMENT STRATEGY FOR THE “ALTO OLTREPO PAVESE” AREA, IN THE FRAMEWORK OF THE NATIONAL STRATEGY OF INTERNAL AREAS (SNAI) Duration: 1 year Funded by: Comunità Montana dell’Oltrepo’ Pavese

Role: coordination and scientific responsible

2016 - “SELEZIONE DI DUE AREE INTERNE DA AMMETTERE ALLA STRATEGIA NAZIONALE AREE INTERNE E AL PERCORSO DI CO- PROGETTAZIONE DELLE STRATEGIE D’AREA E RELATIVE OPERAZIONI ATTUATIVE DI CUI AL D.G.R. 4803/2016” - contratto di consulenza tecnico scientifica. Duration: 4 months.

Funded by: Comunità Montana dell’Oltrepo’ Pavese Role: coordination and scientific responsible

2016 - “JOINT PROJECT - MOUNTAIN PRODUCTS AND FORESTRY” – coordinated by Euromontana (Bruxelles)- Ente Regionale per i Servizi all’Agricoltura e alle Foreste (ESRAF) (Milano)- Università degli Studi di Milano (Gedimont) – Emory University (USA). Role: internship supervisor

2016 - PIANO DI SOSTEGNO ALLA RICERCA 2015-2017 - TRANSITION GRANT LINEA 1A PROGETTO “UNIMI PARTENARIATI H2020”;; Duration: 24 months Role: scientific responsible

2015 – SCIENTIFIC COLLABORATION WITH LOMBARDY REGION FOR THE EUROPEAN ALPINE MACROREGION STRATEGY -EUSALP- IMPLEMENTATION.; Duration: 7 months Funded by: Regione Lombardia

Role: scientific responsible

2015 - FORNITURA DEL SERVIZIO DI RICERCA RELATIVO ALLA REALIZZAZIONE DEL PIANO UNITARIO DI VALUTAZIONE (PUV) DELLA POLITICA REGIONALE UNITARIA 2007-2013 DI REGIONE LOMBARDIA PER L’OBIETTIVO TEMATICO SVILUPPO DELLA MONTAGNA; Duration: 4 months Funded by: Eupolis Lombardia - Istituto Superiore per la ricerca, la statistica e la formazione

Role: scientific responsible

2015 - FILIERA ECO-ALIMENTARE. PROGETTO PER LA VALORIZZAZIONE DELLE CARNI DI SELVAGGINA: LA GESTIONE DI PRODOTTO SOSTENIBILE COME STRUMENTO DI STIMOLO AL

MIGLIORAMENTO AMBIENTALE DEI TERRITORI ALPINI; Duration: 18 months Funded by: Fondazione Cariplo – Programma Comunità resilienti Role: scientific responsible

2015 - MILANO MONTAGNA 2015 - FINANZIAMENTI ERSAF - Bando: Candidatura “Manifestazione d’interesse per aderire alla selezione delle manifestazioni agricole e agroalimentari a carattere territoriale alle quali parteciperà la Direzione Generale Agricoltura di Regione Lombardia tramite ERSAF.” Duration: 4 months Funded: Regione Lombardia Role: scientific responsible

2014 -DEVELOPMENT OF JOINT EDUCATIONAL INITIATIVES TOWARDS YOUTHS ON THE ALPINE CONVENTION AND ITS PROTOCOLS ON "CONSERVATION OF NATURE AND THE COUNTRYSIDE", "MOUNTAIN FARMING", "TOURISM"; Durata: 4mesi Funded by: Alpine Convention Role: scientific responsible

2014 - BES-LARIO BOSCO-ENERGIA-SICUREZZA USO ENERGETICO SOSTENIBILE DEI BOSCHI E DIFESA DEL SUOLO: STUDIO PILOTA NEL COMUNE DI BRIENNO (CO). Duration: 6 months Funded by: Fondazione Cariplo – sub contracting Università di Torino

Role: scientific responsible

2014 – STUDY ON THE MULTIFUNCTIONAL AGRICULTURE IN LOMBARDY AND PIEMONTE DEL VCO Funded by: Fondazione Cariplo Duration: 4 months Role: scientific responsible

2013 - Progetto: “ALTERNATIVA RURALE: CONOSCERE E VALORIZZARE LE OPPORTUNITÀ E LE POTENZIALITÀ DELL’ECONOMIA DI MONTAGNA” - PSR 2007-2013 - Misura 331 B Domanda n° 2013/00060789; Durata: 03/2013- 04/2014. Financed by: FEASR Funds Role: scientific responsible

2013 - Progetto: “CARATTERIZZAZIONE DI MATERIE PRIME DI PRODUZIONI AGROALIMENTARI TRADIZIONALI DI MONTAGNA: RICERCA SCIENTIFICA SUGLI ASPETTI QUALITATIVI, SALUTISTICI, DI VALORIZZAZIONE E SOSTENIBILITÀ AMBIENTALE DELLE PRODUZIONI AGROALIMENTARI DI MONTAGNA” Domanda n. 4246 Durata: 07/2013-12/2014. Funded by: Fondazione della Comunità Bresciana – ONLUS

Role: scientific responsible

2012 - Progetto: “@ZIONE RURALE”- PSR 2007-2012 - Misura 331 B “Formazione e informazione rivolte agli operatori economici nei settori che rientrano nell’Asse 3” Domanda n. 2012/00064318. Durata: 03/2012-02/2013. Finanziato da: Fondo Europeo per lo Sviluppo Rurale (FEASR) Role: scientific responsible

2011 – Accordo di programma MIUR – UNIMI 28 luglio 2011: AFFERMAZIONE IN EDOLO DEL CENTRO DI ECCELLENZA "UNIVERSITÀ DELLA MONTAGNA" Ufficio III, Prot. MIUR n. 1293 del 05/08/2011. Durata: 5 anni. Funded by : Ministero dell’Istruzione dell’Università e della Ricerca

Role: scientific responsible

2010 - Progetto FIMONT– FISR Fondo interattivo Speciale per la Ricerca – Bando 2001 – progetto obiettivo “METODI E SISTEMI PER AUMENTARE IL VALORE AGGIUNTO DEGLI ALIMENTI TRADIZIONALI E A VOCAZIONE TERRITORIALE NELLE ZONE MONTANE” DM 17/12/2002. Durata: triennale. Ente erogatore: Ministero dell’Istruzione dell’Università e della Ricerca Ruolo: responsabile Ente Capofila (EIM)

2009- 2010 Progetto di ricerca commissionata “VALORIZZAZIONE DEI CEREALI MINORI DI MONTAGNA IN PROVINCIA DI BRESCIA” Reg. n.8442 Prot. n. 910/AP del 10/09/09. Funded By: Centro Studi sulla Montagna c/o Assessorato all’Agricoltura della Provincia di Brescia. Durata: 3 anni. Role: scientific responsible

2014 Progetto A.R.C. OROBIE - "Alpeggi: Risorsa Culturale delle Orobie bergamasche" - Fase II "PIANO DELLA CONSERVAZIONE" Duration: 24 months Funded by: Fondazione Cariplo riservato ai beneficiari della Fase I - Capofila: Parco delle Orobie Bergamasche Role: researcher

2013- Progetto: "ARCOROBIE - ALPEGGI RISORSA CULTURALE DELLE OROBIE BERGAMASCHE" Domanda Duration: 07/2013-12/2014 Funded by: Fondazione Cariplo Role: researcher

2011-2012 – Progetto: LA MONTAGNA FORMA E INFORMA - PSR 2007-2012 - Misura 111 B Informazione e Diffusione della Conoscenza. Domanda n. 2010/00285050. Duration: 1 year. Funded by: Commissione Finanziato da: Fondo Europeo per lo Sviluppo Rurale (FEASR)

Role: scientific responsible

2009-2012 Progetto "VALORI E SAPORI DELLE PRODUZIONI TRADIZIONALI ALPINE - PROALPI" - Programma di Cooperazione Transfrontaliera INTERREG Italia Svizzera 2007-2013 – Misura 1.3- ID 7654173 CUP Codice Unico di Progetto: E68C08000170007. Duration: 3 years Funded by: European Commission - Interreg program Role: scientific coordinator of the unimi unit

2008 Progetto di Ricerca: "STUDY OF THE EFFECTS OF ABIOTIC AND BIOTIC STRESS FACTORS ON THE GROWTH, DEVELOPMENT AND SECONDARY METABOLISM OF MEDICINAL PLANTS SPECIES" Funded by: Fondazione Cariplo within University Project UNIAMO. Duration: 10 months

Role: scientific tutor 2008 Progetto di ricerca "Study of the effects of abiotic and biotic stress factors on the growth, development and secondary metabolism of medicinal plants species", funded by: Fondazione Cariplo within University Project UNIAMO, Role: tutor

2007-2008 Progetto di ricerca "SVILUPPO MICROFILIERE DI PRODOTTI DA PIANTE OFFICINALI PER CREARE UN'ALTERNATIVA DI REDDITO PER L'AZIENDA AGRICOLA DI MONTAGNA" Funded by: Regione Veneto – Dgr. n. 2493 del 07/08/2006. Duration: 2 years

Role: researcher

2007-2008 Progetto di ricerca: "SVILUPPO MICROFILIERE DI PIANTE INFUSIONALI" Ente erogatore: Regione Veneto – Dgr. n. 2493 del 07/08/2006. Durata: 2 anni Ruolo: ricercatore dell'unità operativa Unimi

2007-2009 Progetto di ricerca: "INTERAZIONI PIANTA-INSETTO E STRESS ABIOTICI: INDUZIONE IN COLTURE FOOD E COLTURE OFFICINALI DELLA SINTESI DI METABOLITI SECONDARI DI INTERESSE SALUTISTICO ED AMBIENTALE" Programma Operativo sovvenzione globale Ingenio, Regione Lombardia Ob.3 Fondo Sociale Europeo 2000-2006. Misura D3 "Sviluppo e consolidamento dell'imprenditorialità con priorità ai nuovi bacini di impiego". Misura D4 "Miglioramento delle risorse umane nel settore della Ricerca e dello Sviluppo tecnologico"

Funded by: European commission Role: scientific tutor

2004-2007 Progetto di ricerca: "SVILUPPO DELLE PRODUZIONI DI ERBE OFFICINALI DI ELEVATO VALORE QUALITATIVO E SALUTISTICO NELL'AREA ALPINA"- Progetto INTERREG IIIA ITALIA-SVIZZERA, 2004-2007 Misura: 1.1 Sostegno allo sviluppo delle aree rurali. Funded by: Euroean Commission - interreg program

Role: coordinator of the unimi unit

2005-2006 Progetto di sperimentazione: "SVILUPPO DI PRODUZIONI DI PIANTE OFFICINALI NEL TERRITORIO SEBINO – BRESCIANO" - giugno 2005-dicembre 2006 Funded by: Comunità Montana del Sebino-Bresciano Role: researcher

2005-2006 Progetto di ricerca "CARATTERIZZAZIONE DI MIELE DELLE VALLI BRESCIANE CON PARTICOLARE RIFERIMENTO ALLA PRESENZA DI SOSTANZE PROVENIENTI DA ESSENZE OFFICINALI", Duration: 2 years Funded by: Centro Studi sulla Montagna c/o Assessorato all'Agricoltura della Provincia di Brescia.

Role: researcher

2002-2005 Progetto di sperimentazione regionale: "SVILUPPO DI COLTIVAZIONI DI PIANTE OFFICINALI IN TERRITORIO MONTANO (VALLE CAMONICA)" D.D.G. n. 14975 del 5/8/2002 – delibera della Giunta Regionale n. 7/9182 del 31.5.2002. Piano per la ricerca e lo sviluppo 2002 Duration: 3 years Funded by: Regione Lombardia

Role: research

2009 Scientific mission in NEPAL, Pyramid laboratory - 5.050 m s.l.m. (Ev-K2-CNR) research project: "STUDY OF PRIMARY COLONISATION AND SOIL NEOGENESIS MECHANISMS IN DEGLACIATING ENVIRONMENTS AT HIGH ALTITUDE AND LOW LATITUDE" - approved by Bilateral Technical Committee Ev-K2-CNR - NAST on 01/15/2009. Accreditata dal comitato EV-K2-CNR come collaboratore ufficiale del Progetto NAST/Ev-K2- CNR. Prot. No. 206/09/DM/dm.

Role: researcher

I authorize the consultation of my personal data according to the italian "Decreto Legislativo 30 giugno 2003, n. 196"

