

**Contributi scientifici del CRC Ge.S.Di.Mont. / Scientific contributions of CRC Ge.S.Di.Mont.****2021**

Leoni V., Pedralo D., Zuccolo M., Rodari A., Giupponi L., Giorgi A. (2021). The importance of technical support in the return of traditional crops in the Alps: the case of rye in Camonica Valley. *Sustainability* 13: 13818. <https://www.mdpi.com/2071-1050/13/24/13818>

Giupponi L. (2021). Plant agrobiodiversity is a resource for the sustainable development of mountain areas: the case of Italy. 2nd International Agrobiodiversity Congress, 15-18 novembre 2021 (Online). Abstract e presentazione orale.

Giupponi L. (2021). Some proposals to renew soil bioengineering for slope stabilization in the alpine areas. 2021 ICLEE Conference, 26-27 Novembre 2021 (online). Abstract e presentazione orale

Sangiorgio S., Colombo F., Ghidoli M., Giupponi L., Ferro G., Ferro C.G., Cassani E., Landoni M., Pilu R. (2021). The ancient varieties of mountain maize: the inheritance of the pointed character and its effect on the natural drying process. *Agronomy* 11: 2295. <https://doi.org/10.3390/agronomy11112295>

Giupponi L., Leoni V., Pedrali D., Giorgi A. (2021). Plant agro-biodiversity is a resource for the sustainable development of mountain areas: the case of Italy. 11° International Conference on Biotechnology and Bioengineering (ICBB2021), 27-29 Ottobre 2021 (online). Abstract e presentazione orale.

Pedrali D., Giupponi L., Leoni V., Zuccolo M., Rodari A., Zandrini T., Giorgi A. (2021). Quality traits of saffron produced in Italy from 2015 to 2020. 11° International Conference on Biotechnology and Bioengineering (ICBB2021), 27-29 Ottobre 2021 (online). Abstract e poster.

Leoni V., Giupponi L., Pavlovic R., Gianoncelli C., Cecati F., Ranzato E., Martinotti S., Pedrali D., Giorgi A., Panseri S. (2021). Multidisciplinary analysis of Italian Alpine wildflower honey reveals criticalities, diversity and value. *Scientific Reports* 11:19316. <https://doi.org/10.1038/s41598-021-98876-y>

Giupponi L., Pedrali D., Leoni V., Rodari A., Giorgi A. (2021). Hilly and sub-mountain areas are rich in plant agrobiodiversity: the case of Italy. 116° Congresso della Società Botanica Italiana (online), 8-10 settembre. Abstract e presentazione orale.

Leoni V., Borgonovo G., Giupponi L., Bassoli A., Pedrali D., Zuccolo M., Rodari A., Giorgi A. (2021). Comparing wild and cultivated *Arnica montana* L. from the Italian Alps to explore the possibility of a sustainable production using local seeds. 116° Congresso della Società Botanica Italiana (online), 8-10 settembre. Abstract e presentazione orale.

Leoni V., Giupponi L., Giorgi A. (2021). Lombardia, coltivare le officinali per evitare il depauperamento del patrimonio naturale. *Agri foglio* 103 (online). [https://www.alsia.it/opencms/opencms/agrifoglio/agrifoglio\\_online/dettaglio/articolo/Lombardia-coltivare-le-officinali-per-evitare-il-depauperamento-del-patrimonio-naturale/?numagri=103&Mese=Maggio-Giugno&Anno=2021](https://www.alsia.it/opencms/opencms/agrifoglio/agrifoglio_online/dettaglio/articolo/Lombardia-coltivare-le-officinali-per-evitare-il-depauperamento-del-patrimonio-naturale/?numagri=103&Mese=Maggio-Giugno&Anno=2021)



Leoni V., Giupponi L., Zuccolo M., Borgonovo G., Bassoli A., Giorgi A. (2021). Favorire la coltivazione di arnica, una pianta officinale spontanea delle Alpi. *Erboristeria Domani* 425: 46-54

Leoni V., Borgonovo G., Giupponi L., Bassoli A., Pedrali D., Zuccolo M., Rodari A., Giorgi A. (2021). Comparing Wild and Cultivated *Arnica montana* L. from the Italian Alps to Explore the Possibility of Sustainable Production Using Local Seeds. *Sustainability* 13, 3382. <https://doi.org/10.3390/su13063382>

Leoni V., Giupponi L., Pedrali D., Rodari A., Giorgi A. (2021). *VegeT*: An Easy Tool to Classify and Facilitate the Sustainable Management of Seminatural Grasslands and Dynamically Connected Vegetation of the Alps. 1st Joint Meeting of EAAP Mountain Livestock Farming Working Group & FAO-CIHEAM Mountain Pastures Sub-Network, “Mountains are agroecosystems for people”, 7-9 giugno 2021, online. Abstract e poster.

Giupponi L., Pedrali D., Leoni V., Rodari A., Giorgi A. (2021). Hilly and sub-mountain agroecosystems of Italy are rich in herbaceous landraces. 1st Joint Meeting of EAAP Mountain Livestock Farming Working Group & FAO-CIHEAM Mountain Pastures Sub-Network, “Mountains are agroecosystems for people”, 7-9 giugno 2021, online. Abstract e poster.

Giorgi A., Sala S. (2021). Unimont: educazione, ricerca e terza via. *Dislivelli* 110: 22-23. ISSN 2039-5442 [http://www.dislivelli.eu/blog/immagini/immagini\\_aprile\\_maggio\\_2021/110\\_WEBMAGAZINE\\_aprile-maggio21.pdf](http://www.dislivelli.eu/blog/immagini/immagini_aprile_maggio_2021/110_WEBMAGAZINE_aprile-maggio21.pdf)

Ghidoli M., Colombo F., Sangiorgio S., Landoni M., Giupponi L., Nielsen E., Pilu R. (2021). Food containing bioactive flavonoids and other phenolic or sulfur phytochemicals with antiviral effect: can we design a promising diet against COVID-19? *Front. Nutr.* 8:661331. doi: 10.3389/fnut.2021.661331. <https://www.frontiersin.org/articles/10.3389/fnut.2021.661331/full>

Polderman A., Haller A., Pellegrini C., Viesi D., Tabin X., Cervigni C., Sala S., Trebušak B., Daragon Q., Ramette D., Bidault, Y. (eds.) (2021). *Smart Altitude: A low-carbon, high-impact and resilient future for Alpine winter tourism territories*. Smart Altitude/Interreg Alpine Space, Final Report. <https://doi.org/10.1553/smart-altitude>

Fogliata P., Cislighi A., Sala P., Giupponi L. (2021). An ecological analysis of the riparian vegetation for improving the riverine ecosystem management: the case of Lombardy region (North Italy). *Landscape and Ecological Engineering (online)*. DOI: 10.1007/s11355-021-00451-0. <https://link.springer.com/article/10.1007%2Fs11355-021-00451-0>

Cattaneo C., Givonetti A., Leoni V., Guerrieri N., Manfredi M., Giorgi A., Cavaletto M. (2021). Biochemical aspects of seeds from *Cannabis sativa* L. plants grown in a mountain environment. *Scientific Reports* 11: 3927. DOI: 10.1038/s41598-021-83290-1. <https://www.nature.com/articles/s41598-021-83290-1>

Giupponi L., Pedrali D., Leoni V., Rodari A., Giorgi A. (2021) The analysis of Italian plant agrobiodiversity databases reveals that hilly and sub-mountain areas are hotspots of herbaceous landraces. *Diversity* 13(2):70. DOI: 10.3390/d130200701. <https://www.mdpi.com/1424-2818/13/2/70>



Giupponi L., Leoni V., Colombo F., Cassani E., Hejna M., Rossi L., Pilu R. (2020). Characterization of “Mais delle Fiorine” (*Zea mays* L.) and nutritional, morphometric and genetic comparison with other maize landraces of Lombardy region (Northern Italy). *Genetic Resources and Crop Evolution* xx: xx-xx (online). DOI: 10.1007/s10722-021-01118-3. <https://link.springer.com/article/10.1007/s10722-021-01118-3>

## 2020

Giupponi L., Leoni V. (2020). VegeT: an easy tool to classify and facilitate the management of seminatural grasslands and dynamically connected vegetation of the Alps. *Land* 9: 473. DOI: 10.3390/land9120473. <https://www.mdpi.com/2073-445X/9/12/473>

Landoni M., Scapin A., Cassani E., Borlini G., Follador A., Giupponi L., Ghidoli M., Hejna M., Rossi L., Pilu R. (2020). Comparison among four maize varieties in conventional and low input cultivation. *Maydica* 65(3): M27. <https://journals-crea.4science.it/index.php/maydica/article/view/2193/1319>

Giupponi L., Leoni V., Pedrali D., Ceciliani G., Bassoli A., Borgonovo G. (2020). Morphometric and phytochemical characterization and elevation effect on yield of three potato landraces of the Ligurian Apennines (Northern Italy). *Journal of Applied Botany and Food Quality* 93: 234-243. DOI: 10.5073/JABFQ.2020.093.028. <https://ojs.openagrar.de/index.php/JABFQ/article/view/15361>

Giupponi L., Leoni V. (2020). Alpine pioneer plants in soil bioengineering for slope stabilization and restoration: results of a preliminary analysis of seed germination and future perspectives. *Sustainability* 12: 7190. DOI: 10.3390/su12177190. <https://www.mdpi.com/2071-1050/12/17/7190/htm>

Giupponi L., Pilu R., Scarafoni A., Leoni V., Ceciliani G., Sala S., Pedrali D., Giorgi A. (2020). Censimento e analisi delle landraces erbacee coltivate in Lombardia. 115° Congresso della Società Botanica Italiana (online), 9-11 settembre. Abstract, poster e presentazione orale.

Fogliata P., Cislighi A., Sala P., Giupponi L. (2020). L'analisi ecologica della vegetazione come strumento chiave per migliorare la gestione dell'ecosistema fluviale in Regione Lombardia. 115° Congresso della Società Botanica Italiana (online), 9-11 settembre. Abstract e poster.

Leoni V., Giupponi L., Pedrali D., Ceciliani G., Sala S., Giorgi A. (2020). Indagine sulla produzione e la qualità dello zafferano in Italia. 115° Congresso della Società Botanica Italiana (online), 9-11 settembre. Abstract e poster.

Polderman A., Haller A., Viesi D., Tabin X., Sala S., Giorgi A., Darmayan L., Rager J., Vidović J., Daragon Q., Verchère Y., Zupan U., Houbé N., Heinrich K., Bender O., Bidault Y. (2020). How can ski resorts get smart? Transdisciplinary approaches to sustainable winter tourism in the European Alps. *Sustainability*, 12(14):5593. DOI: 10.3390/su12145593. <https://www.mdpi.com/2071-1050/12/14/5593>

Giupponi L., Leoni V., Carrer M., Ceciliani G., Sala S., Panseri S., Pavlovic R., Giorgi A. (2020). Overview on Italian hemp production chain, related productive and commercial activities and legislative framework.



Italian Journal of Agronomy 5: 1552. DOI: 10.4081/ija.2020.1552  
<https://www.agronomy.it/index.php/agro/article/view/1552>

Giupponi L. (2020). Intraspecific variation in functional strategy and leaf shape of *Campanula elatinoidea* reveals adaptation to climate. *Flora* 268: 151605 (online). DOI: 10.1016/j.flora.2020.151605  
<https://www.sciencedirect.com/science/article/pii/S0367253020300694?via%3Dihub>

Leoni V., Giupponi L., Pavlovic R., Borgonovo G., Bassoli A., Giorgi A. (2020). Variabilità all'origine e fattori di qualità: nuove esperienze analitiche per la caratterizzazione della propoli. *Erboristeria Domani* 420: 60-67. ISSN 1127-6320.  
[http://erboristeriadomani.it/wp-content/uploads/2020/PDF\\_riviste/ED3\\_420\\_Online.pdf](http://erboristeriadomani.it/wp-content/uploads/2020/PDF_riviste/ED3_420_Online.pdf)

Pagliacci, F., Russo, M., Pavone, P., Giorgi, A. (2020). Regional structural heterogeneity: Evidence and policy implications for RIS3 in macro-regional strategies. *Regional Studies* 54: 765-775. DOI: 10.1080/00343404.2019.1635689; <https://www.tandfonline.com/doi/abs/10.1080/00343404.2019.1635689?journalCode=cres20>

Pavone P., Pagliacci F., Russo M., Righi S., Giorgi A. (2020) Multidimensional Clustering of EU Regions: A Contribution to Orient Public Policies in Reducing Regional Disparities. *Social Indicators Research* (online). DOI: 10.1007/s11205-020-02324-9. <https://doi.org/10.1007/s11205-020-02324-9>

Giupponi L., Leoni V., Pavlovic R., Giorgi A. (2020). Influence of altitude on phytochemical composition of hemp inflorescence: a metabolomic approach. *Molecules* 25(6): 1381. DOI: 10.3390/molecules25061381.  
<https://www.mdpi.com/1420-3049/25/6/1381>

Pavlovic R., Borgonovo G., Leoni V., Giupponi L., Cecilian G., Sala S., Bassoli A., Giorgi A. (2020). Effectiveness of different analytical methods for the characterization of propolis: a case of study in Northern Italy. *Molecules* 25(3): 504. <https://www.mdpi.com/1420-3049/25/3/504>

Giupponi L., Bischetti G.B., Giorgi A. (2020). How vegetation analysis can renew soil bioengineering for slope stabilization. *Conference of Young Botanists – CYBO 2020*. Genova /GE), 6-7 febbraio. Abstract e presentazione orale.

Cislighi, A., Masseroni, D., Massari, C., Camici, S., & Brocca, L. (2020). Combining a rainfall–runoff model and a regionalization approach for flood and water resource assessment in the western Po Valley, Italy. *Hydrological Sciences Journal*, 65(3), 348–370. <https://doi.org/10.1080/02626667.2019.1690656>

Giupponi L., Pilu R., Scarafoni A., Giorgi A. (2020). Plant agro-biodiversity needs protection, study and promotion: results of research conducted in Lombardy region (Northern Italy). *Biodiversity and Conservation* 29: 409-430. <https://link.springer.com/article/10.1007/s10531-019-01889-3?shared-article-renderer>

**2019**



Giupponi L., Borgonovo G., Leoni V., Ceciliani G., Panseri S., Giorgi A. (2019). Il Grano Siberiano Valtellinese: una varietà tradizionale delle montagne lombarde ricca di rutina. *Erboristeria Domani* 416: 64-71. ISSN 1127-6320.

Cislaghi, A., & Bischetti, G. B. (2019). Source areas, connectivity, and delivery rate of sediments in mountainous-forested hillslopes: A probabilistic approach. *Science of The Total Environment*, 652, 1168–1186. <https://doi.org/10.1016/j.scitotenv.2018.10.318>

Cislaghi, A., Cohen, D., Gasser, E., Bischetti, G. B., & Schwarz, M. (2019). Field measurements of passive earth forces in steep, shallow, landslide-prone areas. *Journal of Geophysical Research: Earth Surface*. <https://doi.org/10.1029/2017JF004557>

Cislaghi, A., Sangalli, G. B., Sali, G., & Bischetti, G. B. (2019). Planning forest management to reduce landslide risk along a railway line: a case study in Valle Camonica. In *Geophysical Research Abstracts* (Vol. 21, p. 8196). Vienna, Austria: European Geosciences Union.

Carrer M., Zilio E., Giorgi A. (2019). Il problema della definizione delle zone montane nel diritto. *AmbienteDiritto.it* 4/2019: 1-21. ISSN: 1974-9562. <https://www.ambientediritto.it/dottrina/il-problema-della-definizione-delle-zone-montane-nel-diritto/>

Giupponi L., Ceciliani G., Leoni V., Panseri S., Pavlovic R., Lingua G., Di Filippo A., Giorgi A. (2019). Quality traits of saffron produced in Italy: geographical area effect and good practices. *Journal of Applied Botany and Food Quality* 92: 336-342. <https://ojs.openagrar.de/index.php/JABFQ/article/view/13046>

Pavlovic R., Panseri S., Giupponi L., Leoni V., Citti C., Cattaneo C., Cavaletto M., Giorgi A. (2019). Phytochemical and ecological analysis of two varieties of hemp (*Cannabis sativa* L.) grown in a mountain environment of Italian Alps. *Frontiers in Plant Science*. DOI: 10.3389/fpls.2019.01265. <https://www.frontiersin.org/articles/10.3389/fpls.2019.01265/abstract>

Giupponi L., Giorgi A. (2019). Effectiveness of modern leaf analysis tools for the morpho-ecological study of plants: the case of *Primula albenensis* Banfi et Ferl. *Nordic Journal of Botany*. 37(8): e02386. DOI: 10.1111/njb.02386. <https://onlinelibrary.wiley.com/doi/abs/10.1111/njb.02386>

Russo, M., Pagliacci, F., Pavone, P., & Giorgi, A. (2019). *RIS3 in macroregional strategies: tools to design and monitor integrated territorial development paths*. In ESPON Scientific Conference “Building the Next Generation of Research on Territorial Development”, London (Vol. 14).

Pavone, P., Russo, M., Pagliacci, F., Giorgi, A. (2019). R&I smart specialisation strategies: classification of EU regions' priorities. DOI 10.25431/11380\_1177858. DEMB WORKING PAPER SERIES n.145.ISSN: 2281-440X; <https://ideas.repec.org/p/mod/depeco/0148.html>

Pagliacci, F., Pavone, P., Russo, M., Giorgi, A. (2019). R&I smart specialisation strategies and on socio-economic and demographic conditions. DOI:10.25431/11380\_1177861; (database)



- Pagliacci, F., Pavone, P., Russo, M., Giorgi, A. (2019). Socioeconomic classification of EU regions. DOI:10.25431/11380\_1177860. (database)
- Pagliacci, F., Pavone, P., Russo, M., Giorgi, A. (2019). R&I smart specialisation strategies and on socio-economic and demographic conditions. DOI:10.25431/11380\_1177861. (database)
- Pavone, P., Russo, M., Pagliacci, F., Giorgi, A. (2019). R&I smart specialisation strategies: classification of EU regions' priorities. DOI 10.25431/11380\_1177858. (database)
- Giupponi L., Leoni V., Ceciliani G., Panseri S., Pavlovic R., Lingua G., Di Filippo A., Giorgi A. (2019). Quality traits of saffron (*Crocus sativus* L.) produced in Italy. 114° Congresso della Società Botanica Italiana (VI IPSC), Padova, 4-7 settembre. Abstract e poster.
- Giorgi A., Borgonovo G., Leoni V., Ceciliani G., Giupponi L. (2019). Study of a little known landrace of *Fagopyrum tataricum* (L.) Gaertn. of Valtellina (Northern Italy). 114° Congresso della Società Botanica Italiana (VI IPSC), Padova, 4-7 settembre. Abstract e poster.
- Fogliata P., Giupponi L., Cislaghi A., Giorgi A., Bischetti G.B. (2019). The riparian vegetation of Pioverna river (Lecco, Italy): preliminary analysis. 114° Congresso della Società Botanica Italiana (VI IPSC), Padova, 4-7 settembre. Abstract e poster.
- Leoni V., Pavlovic R., Giupponi L., Panseri S., Cavaletto M., Cattaneo C., Caramaschi A., Givonetti A., Giorgi A. (2019). Phytochemical and ecological analysis of two varieties of hemp (*Cannabis sativa* L.) grown in a mountain environment (Italian Alps). XVI Congress of the Italian Society of Phytochemistry, Alghero (SS), 19-21 giugno. Abstract e poster.
- Leoni V., Giupponi L., Borgonovo G., Ceciliani G., Giorgi A. (2019). "Grano Siberiano Valtellinese": a little known landrace of *Fagopyrum tataricum* (L.) Gaertn. rich in rutin. XVI Congress of the Italian Society of Phytochemistry, Alghero (SS), 19-21 giugno. Abstract e poster.
- Pavlovic R., Panseri S., Leoni V., Giupponi L., Giorgi A. (2019). High-resolution mass spectrometry - a potent tool for un-targeted analysis of *Cannabis sativa* L. inflorescences used in medical/nutraceutical purposes. 11th Mass Spectrometry Summer School In Environmental and Food Safety Control 2019, Niš (Serbia), 18-21 giugno. Abstract e presentazione orale. <https://mss2019.netchem-eu.com/15-high-resolution-mass-spectrometry-hrms-a-potent-tool-for-untargeted-analysis-of-cannabis-sativa-l-inflorescences-used-in-medical-purposes/>
- Cislaghi A., Giupponi L., Tamburini A., Giorgi A., Bischetti G.B. (2019). The effects of mountain grazing abandonment on plant community, forage value and soil properties: observations and field measurements in an Alpine area. *Catena* 181: 104086 (online). DOI: 10.1016/j.catena.2019.104086  
<https://www.sciencedirect.com/science/article/pii/S0341816219302206>
- Giorgi A., Borgonovo G., Bassoli A., Panseri S., Giupponi L., Leoni V. (2019). *Waldheimia glabra*, la coraggiosa margheritina dell'Himalaya. *Erboristeria Domani* 413: 72-78. ISSN: 1127-6320



Giupponi L., Borgonovo G., Panseri S., Giorgi A. (2019). Multidisciplinary study of a little known landrace of *Fagopyrum tataricum* Gaertn. of Valtellina (Italian Alps). *Genetic Resources and Crop Evolution* 66: 783-796. DOI: 10.1007/s10722-019-00755-z <https://link.springer.com/article/10.1007/s10722-019-00755-z>

Kurti F., Giorgi A., Beretta G., Mustafa B., Gelmini F., Testa C., Angioletti S., Giupponi L., Zilio E., Pentimalli D., Hajdari A. (2019). Chemical composition, antioxidant and antimicrobial activities of essential oils of different *Pinus* species from Kosovo. *Journal of Essential Oil Research* 31(4): 263-275 DOI: 10.1080/10412905.2019.1584591 <https://www.tandfonline.com/doi/full/10.1080/10412905.2019.1584591>

Giupponi L., Giorgi A. (2019). Contributions of the knowledge of *Linaria tonzigii* Lona, a steno-endemic species of the Orobic Bergamasche Regional Park (Italian Alps). *Eco.mont* 11(1): 16-24. [http://www.austriaca.at/0xc1aa5576\\_0x003a2b51.pdf](http://www.austriaca.at/0xc1aa5576_0x003a2b51.pdf)

Giupponi L., Borgonovo G., Giorgi A., Bischetti G.B. (2019). How to renew soil bioengineering for slope stabilization: some proposals. *Landscape and Ecological Engineering* 15(1): 37-50. DOI: 10.1007/s11355-018-0359-9. <https://link.springer.com/article/10.1007/s11355-018-0359-9#citeas>

## 2018

Giupponi L. (2018). Il Grano Siberiano Valtellinese, una varietà tradizionale unica e di qualità da valorizzare. *Annuario CAI 2018 – Sezione Valtellinese Sondrio*: 106-107.

Giorgi A. (2018). Ricerca e formazione da e per la montagna. *Politichepiemonte* (online). ISSN 279-5030. [http://www.politichepiemonte.it/index.php?option=com\\_content&view=article&id=602:ricerca-e-formazione-da-e-per-la-montagna&catid=56:montagna&Itemid=78](http://www.politichepiemonte.it/index.php?option=com_content&view=article&id=602:ricerca-e-formazione-da-e-per-la-montagna&catid=56:montagna&Itemid=78)

Cislaghi A., Bischetti G.B. (2018). Assessing the landslide susceptibility along roads through a 3-D probabilistic approach: a case study in the northern Italy. In *Geophysical Research Abstracts* (Vol. 20, p. 6009). Vienna, Austria: European Geosciences Union.

Cislaghi A., Rigon E., Lenzi M.A., Bischetti G. B. (2018). A probabilistic multidimensional approach to quantify large wood recruitment from hillslopes in mountainous-forested catchments. *Geomorphology* 306: 108–127. <https://doi.org/10.1016/j.geomorph.2018.01.009>

Carrer M. (2018). *Diritto e montagna. Elementi per un'indagine costituzionale*. Aracne editrice, Canterano (RM). ISBN: 978-88-255-1199-4. <https://www.libreriauniversitaria.it/diritto-montagna-elementi-indagine-costituzionale/libro/9788825511994>

Calvi L., Pavlovic R., Panseri S., Giupponi L., Leoni V., Giorgi A. (2018). Quality traits of Medical *Cannabis sativa* L. inflorescences and derived products based on comprehensive analytical investigation. In: Costain W.J. and Laprairie R.B., *Recent Advances in Cannabinoid Research*. Book chapter (online). DOI: 10.5772/intechopen.79539

<https://www.intechopen.com/books/recent-advances-in-cannabinoid-research/quality-traits-of-medical-cannabis-sativa-l-inflorescences-and-derived-products-based-on-comprehensi>



Giorgi A., Giupponi L. (2018). Plant community, ecology and CSR functional strategy of *Linaria tonzigii* Lona, a steno-endemic species of the Italian pre-Alps. 3rd International Conference on Mountains in the Changing World 2018, Kathmandu (Nepal), 9-10 ottobre. Abstract, poster e presentazione orale.

Giorgi A., Pilu R.S., Giupponi L. (2018). Study and valorisation of an ancient maize from Northern Italy rich in phlobaphenes. 3rd International Conference on Mountains in the Changing World 2018, Kathmandu (Nepal), 9-10 ottobre. Abstract, poster e presentazione orale.

Pilu R.S., Cammarata E., Brambilla M., Galizia F., Brunoldi G., Comaschi C., Borlini G., Tarenghi F., Cassani E., Landoni M., Giupponi L., Giorgi A. (2018). Genetics and cultural aspects regarding the world wide white maize cultivation. 3rd International Conference on Mountains in the Changing World 2018, Kathmandu (Nepal), 9-10 ottobre. Abstract, poster e presentazione orale..

Pilu R.S., Landoni M., Borlini G., Cassani E., Giupponi L., Giorgi A. (2018). Phlobaphenes in maize kernel modify pericarp thickness and fumonisins accumulation. 3rd International Conference on Mountains in the Changing World 2018, Kathmandu (Nepal), 9-10 ottobre. Abstract, poster e presentazione orale.

Whitaker S., Giorgi A. (2018). Cultivating biodiversity in the Italian Alps: who are the farmers and what challenges do they face? 3rd International Conference on Mountains in the Changing World 2018, Kathmandu (Nepal), 9-10 ottobre. Abstract e poster.

Giupponi L., Giorgi A. (2018). Plant community, ecology and functional strategy of *Linaria tonzigii* Lona, a steno-endemic species of the Italian pre-Alps. 113° Congresso della Società Botanica Italiana (V IPSC), Fisciano (SA), 12-15 settembre. Abstract e poster.

Giorgi A., Giupponi L., Leoni V., Tamburini A. (2018). Contribution to the knowledge and valorization value of “copafam”, a landrace of *Phaseolus coccineus* L. from the Brescia pre-Alps (northern Italy). 113° Congresso della Società Botanica Italiana (V IPSC), Fisciano (SA), 12-15 settembre. Abstract e poster.

Capraro J., Magni C., Giorgi A., Duranti M., Scarafoni A. (2018). Comparative 1D- and 2D-electrophoretic protein profiles of ancestral and modern buckwheat seeds grown in the Italian Alpine region. *Italian Journal of Food Science* 30: 497-503. DOI: <https://doi.org/10.14674/IJFS-1023>  
<http://www.journals4free.com/link.jsp?l=45958143>

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  
<http://www.mdpi.com/1420-3049/23/5/1230/>

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  
<http://www.bioone.org/doi/full/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* subsi. *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* 244: 1313-1327. DOI: 10.1007/s00217-018-3046-z. [https://link.springer.com/epdf/10.1007/s00217-018-3046-z?author\\_access\\_token=ANkwwqcIKb34D7kJo03Htve4RwlQNchNByi7wbcMAY5W8-kku6y5709z\\_Tqh2kvovWpnRHblGLkf4oqDdMNTDrQJ\\_Gj\\_412CL88aYk1sMd117sympwxbtrVMaMXi1SyyRE03j9z7dVs80VmWCV93jw%3D%3D](https://link.springer.com/epdf/10.1007/s00217-018-3046-z?author_access_token=ANkwwqcIKb34D7kJo03Htve4RwlQNchNByi7wbcMAY5W8-kku6y5709z_Tqh2kvovWpnRHblGLkf4oqDdMNTDrQJ_Gj_412CL88aYk1sMd117sympwxbtrVMaMXi1SyyRE03j9z7dVs80VmWCV93jw%3D%3D)

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](https://doi.org/10.1016/j.jpba.2017.11.073) <https://www.sciencedirect.com/science/article/pii/S0731708517325086>

Giupponi L., Pentimalli D., Manzo A., Panseri S., Giorgi A. (2018). Effectiveness of fine root fingerprinting as a tool to identify plants of the Alps: results of preliminary study. *Plant Biosystems* 152: 464-473. <http://www.tandfonline.com/doi/abs/10.1080/11263504.2017.1306003>

## 2017

Giorgi A., Bassoli A., Borgonovo G., Panseri S., Manzo A., Pentimalli D., Moriello A.S., De Petrocellis L. (2017). Active compounds on TRP ion channels from *Waldheimia glabra*: a medicinal plant of Himalaya Mountains in the Changing World, Kathmandu (Nepal), 27-28 Ottobre 2017. Poster e abstract.

Giupponi L., Pentimalli D., Zilio E., Giorgi A. (2017) Plant diversity of Mount Cavallo (Italian Alps). Mountains in the Changing World, Kathmandu (Nepal), 27-28 Ottobre 2017. Poster e abstract.

Pentimalli D., Panseri S., Giupponi L., Giorgi A. (2017). Biochar application to *Crocus sativus* L. cultivation. Mountains in the Changing World, Kathmandu (Nepal), 27-28 Ottobre 2017. Poster e abstract.

Cislaghi, A., Bordoni, M., Meisina, C., & Bischetti, G. B. (2017). Soil reinforcement provided by the root system of grapevines: Quantification and spatial variability. *Ecological Engineering*, 109, 169–185. <https://doi.org/10.1016/j.ecoleng.2017.04.034>

Cislaghi, A., Chiaradia, E. A., & Bischetti, G. B. (2017). Including root reinforcement variability in a probabilistic 3D stability model. *Earth Surface Processes and Landforms*, 42(12), 1789–1806. <https://doi.org/10.1002/esp.4127>

Calvi L., Pentimalli D., Panseri S., Zilio E., Borgonovo G., Giupponi L., Beretta G., Vitali D., Pavlovic R., Giorgi A. (2017). LC-HRMS ORBITRAP® and HS-SPME coupled with GC-MS as analytical approach for the comprehensive quality evaluation of medical *Cannabis sativa* L. flos and oils preparations. VIII IACM Conference on Cannabinoids in Medicine, Colonia (Germania), 29-30 Settembre 2017. Poster.

Calvi L., Panseri S., Pentimalli D., Giupponi L., Pavlovic R., Giorgi A. (2017). HS-SPME and GC-MS for the comprehensive study of terpenes emitted from medical *Cannabis sativa* flos during vaporization by using a medical disposal. VIII IACM Conference on Cannabinoids in Medicine, Colonia (Germania), 29-30 Settembre 2017. Poster.



Panseri S., Calvi L., Pentimalli D., Gardana C., Giupponi L., Pavlovic R., Zilio E., Giorgi A. (2017). Terpenes profile, flavonoids and cannabinoids content of seven *Cannabis sativa* fibre-type varieties cultivated in Italy. VIII IACM Conference on Cannabinoids in Medicine, Colonia (Germania), 29-30 Settembre 2017. Poster.

Giupponi L., Giorgi A. (2017). Floristic heritage of the Mt. Cavallo path (Orobic Bergamasche Regional Park). IV International Plant Science Conference (112° Congresso della Società Botanica Italiana), Parma, 20-23 Settembre 2017. Poster e abstract.

Giorgi A., Pentimalli D., Giupponi L., Panseri S. (2017). Saffron (*Crocus sativus* L.) quality of the alpine areas. IV International Plant Science Conference (112° Congresso della Società Botanica Italiana), Parma, 20-23 Settembre 2017. Poster e abstract.

Fiala M., Nonini L. (2017). La funzione ambientale degli ecosistemi forestali per la promozione di un mercato volontario di carbonio. Notiziario di informazione a cura dell'Accademia dei Georgofili. Online: <http://www.georgofili.info/detail.aspx?id=4381>

Viganò R., Cottini A., Fili F. (2017). Filiera eco-alimentare. La valorizzazione delle carni di selvaggina: la gestione di prodotto sostenibile come strumento di stimolo al miglioramento ambientale dei territori alpini. ARS.UNI.VCO, Università degli Studi di Milano Dip. VESPA, DIMEVET e Centro GE.S.DI.MONT. e-book ISBN 978-88-98357-08-6.  
[http://www.unimontagna.it/web/uploads/2017/06/E-book\\_filiera.pdf](http://www.unimontagna.it/web/uploads/2017/06/E-book_filiera.pdf)

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* 32: 80-87.  
<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., 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](http://epub.oeaw.ac.at/0xc1aa500e_0x0034c883.pdf)

Cassani E., Cantaluppi E., Landoni M., Giupponi L., Giorgi A., Pilu R. (2017). "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* 64: 761-773. <http://link.springer.com/article/10.1007%2Fs10722-016-0399-7>

## 2016

Chiaradia E.A., Vergani C., Bischetti G.B. (2016) Evaluation of the effects of three European forest types on slope stability by field and probabilistic analyses and their implications for forest management. *Forest Ecology and Management*, 370: 114–129. DOI:10.1016/j.foreco.2016.03.050 <http://www.sciencedirect.com/science/article/pii/S0378112716301438>

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](http://www.unimontagna.it/web/uploads/2017/01/Museo-Bg-Giupponi_Giorgi_2016_vol_29.pdf)

Bischetti G.B., Bassanelli C., Chiaradia E.A., Minotta G., Vergani C. (2016) The effect of gap opening on soil reinforcement in two conifer stands in northern Italy. *Forest Ecology and Management*, 359: 286-299, DOI: 10.1016/j.foreco.2015.10.014 <http://www.sciencedirect.com/science/article/pii/S0378112715005708>

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>

Panseri S., Borgonovo F., Giorgi A., Guarino M., Piana L., Mortarino M., Chiesa L., Rizzi R. (2016). "Effect of the storage temperature on volatile organic compounds and aroma profile of *Robinia pseudoacacia* honey". Seventh EurBee Congress, Cluj-Napoca, Romania, 7-9 September 2016.

Giorgi A., Pentimalli D., Giupponi L., Panseri S. (2016). Saffron quality (*Crocus sativus* L.) of the Alpine areas. Mountains 2016, Bragança, Portugal, 3-7 October 2016.

Giorgi A., Pentimalli D., Giupponi L., Panseri S., Borgonovo G., Bassoli A. (2016). Saffron (*Crocus sativus* L.) production as strategies in a mountain contest. Mountains 2016, Bragança, Portugal, 3-7 October 2016.

Giupponi L., Bischetti G.B., Giorgi A. (2016). The vegetation of three areas of the Val Camonica (Lombardy, Italy) after environmental restoration works. 3<sup>rd</sup> International Plant Science Conference (111<sup>o</sup> Congresso della Società Botanica Italiana), Roma, 21-23 September 2016.

Puglisi D., Cantaluppi E., Landoni L., Giupponi L., Giorgi A., Pilu R. (2016). An ancient pointed maize rich in phlobaphenes: the "Nero Spinoso" from Valcamonica (Brescia, Italy). Mountains 2016, Bragança, Portugal, 3-7 October. Poster e abstract



Giorgi A., Pentimalli D., Giupponi L., Panseri S., Borgonovo G., Bassoli A. (2016). Saffron (*Crocus sativus* L.) production as strategies in a mountain contest. Mountains 2016, Bragança, Portugal, 3-7 October. Poster e abstract

Giorgi A., Pentimalli D., Giupponi L., Panseri S. (2016). Saffron quality (*Crocus sativus* L.) of the Alpine areas. Mountains 2016, Bragança, Portugal, 3-7 October. Poster e abstract.

Giupponi L., Bischetti G.B., Giorgi A. (2016). The vegetation of a mountain area of the Scalve Valley (Southern Alps) twenty years after environmental restoration work. Mountains 2016, Bragança, Portugal, 3-7 October. Poster e abstract.

Giupponi L., Bischetti G.B., Giorgi A. (2016). The vegetation of three areas of the Val Camonica (Lombardy, Italy) after environmental restoration works. 111° congresso della Società Botanica Italiana, Roma, 21-23 settembre. Poster e abstract.

S. Panseri, F. Borgonovo, A. Giorgi, M. Guarino, L. Piana, M. Mortarino, L. Chiesa, R. Rizzi (2016). Effect of the storage temperature on volatile organic compounds and aroma profile of *Robinia pseudoacacia* honey. Seventh EurBee Congress, Cluj-Napoca, Romania, 7-9 September. Poster e abstract.

Chiesa L.M., Labella G.F., Giorgi A., Panseri S., Pavlovic R., Bonacci S., Arioli F. (2016). "The occurrence of pesticides and persistent organic pollutants in Italian organic honey from different productive areas in relation to potential environmental pollution". *Chemosphere* 154: 482-490. <http://www.sciencedirect.com/science/article/pii/S0045653516304684>

Crestani E., Giorgi A. (2016). "L'Università della Montagna. Esperienze *blended learning* per connettere le montagne". In: L. Denicolai, A. Parola (a cura di), "Tecnologie e linguaggi dell'apprendimento", Aracne editrice int.le S.r.l., Ariccia (RM), pp.: 251-259.

## 2015

Manzo A., Musso L., Panseri S., Iriti M., Dallavalle S., Catalano E., Scari G., Giorgi A. (2015). Screening of chemical composition and bioactivity of *Waldheimia glabra* (Decne.) Regel essential oil. *J. Sci. Food Agric.* DOI 10.1002/jsfa.7499. <https://www.ncbi.nlm.nih.gov/pubmed/26467601>

Giorgi A., Scheurer T. (2015). "Alpine Resources: Assets for a Promising Future – Conclusions from the Forum Alpinum 2014". *Mountain Research and Development* 35(4) 414-415. <http://www.bioone.org/doi/full/10.1659/MRD-JOURNAL-D-15-00061>

Giupponi L., Andreis C., Giorgi A. (2015). "Caratteri floristico-vegetazionali ed ecologici di una comunità vegetale con *Lupinus polyphyllus* Lindl. in un'area della Val di Scalve interessata da interventi di ingegneria naturalistica". "Natura Bresciana" *Ann. Mus. Sc. Nat. Brescia* 39:49-56.

Giorgi A., Borsdorf A., Köck G., Scheurer T (a cura di), (2015). "Forum Alpinum '14, le risorse delle Alpi. Utilizzo, valorizzazione e gestione dal livello locale a quello macroregionale". Atti del convegno tenutosi a Darfo Boario Terme, 17-19 settembre 2014. *Biblion edizioni*. [http://www.unimontagna.it/web/uploads/2015/10/Proceedings\\_ITA\\_ForumAlpinum.pdf](http://www.unimontagna.it/web/uploads/2015/10/Proceedings_ITA_ForumAlpinum.pdf)



A. Giorgi, S. Panseri, D. Bertoni, A. Manzo, (2015). "Saffron (*Crocus sativus*) production in the Italian Alps: high quality production from family farm to family table". Perth III: Mountains of Our Future Earth, Perth, Scotland, 4-8 October. Abstract and poster.

L. Giupponi, C. Andreis, G.B. Bischetti, A. Giorgi, (2015). "The use of exotic species in environmental restoration works may interfere with vegetation dynamics: the case of *Lupinus polyphyllus* Lindl. in Scalve Valley (Northern Italy). Perth III: Mountains of Our Future Earth, Perth, Scotland, 4-8 October. Abstract and poster.

A. Giorgi, G. Lozzia, E. Crestani, E. Zilio, (2015). "University of mountains. High peak performance". Perth III: Mountains of Our Future Earth, Perth, Scotland, 4-8 October. Abstract and poster.

E. Zilio, E. Zanini, E. Bonifacio, A. Giorgi, (2015). "A Platform for Carbon Credits Management". Perth III: Mountains of Our Future Earth, Perth, Scotland, 4-8 October. Abstract, poster and oral presentation.

G.B. Bischetti, E. Filippi, C. Gasparotti, E. Morlotti, M. Ratti, S. Panizza, (2015). "Evaluating Alpine transhumance system by MAVT". Perth III: Mountains of Our Future Earth, Perth, Scotland, 4-8 October. Abstract and poster.

Manzo A., Panseri S., Bertoni D., Giorgi A. (2015). "Economic and qualitative traits of Italian Alps saffron" *Journal of Mountain Science* 12: 1542-1550. Doi:10.1007/s11629-015-3448-3.  
<https://link.springer.com/article/10.1007/s11629-015-3448-3>

Cantaluppi E., Landoni M., Cassani E., Giupponi L., Giorgi A., Pilu R., (2015). "Study of ancient maize from Valcamonica (northern Italy) rich in carotenoids and phlobaphenes". 110° Congresso della Societa' Botanica Italiana, Pavia 14-18 settembre. Abstract e poster.

A. Giorgi, A. Bassoli, G. Borgonovo, S. Panseri, A. Manzo, L. De Petrocellis, A. Schiano Morello, (2015). "In vitro activity of *Waldhemia glabra* (Decne.) regel extracts on the somatosensory and pain receptor TRPA1". 110° Congresso della Societa' Botanica Italiana, Pavia 14-18 settembre. Abstract e poster.

A. Manzo, L. Musso, S. Panseri, M. Iriti, S. Dallavalle, E. Catalano, G. Scari', A. Giorgi "Chemical composition and bioactivity of the *Waldhemia glabra* (Decne.) regeessential oil". XIV Congresso della Societa' Italiana di Fitochimica, Padova 10-12 giugno. Abstract e poster.

Giupponi L., Bischetti G.B., Giorgi A. (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* 23:635-644. Doi: 10.1111/rec.12232.  
<https://onlinelibrary.wiley.com/doi/abs/10.1111/rec.12232>

Pilu R., Giupponi L., Giorgi A., (2015). "Caratterizzazione e tutela di un'antica varietà di montagna: il Mais Nero Spinoso di Valle Camonica". *VisMont - Agricoltura, ambiente, territorio: una visione innovativa per l'agricoltura di montagna*, Bergamo 27 luglio. Abstract e Poster.

Giupponi L., Bischetti G.B., Giorgi A., (2015). "L'Indice Ecologico di Maturità per la valutazione della funzionalità ecologica delle opere di ripristino ambientale e la salvaguardia del territorio montano". *VisMont*



- Agricoltura, ambiente, territorio: una visione innovativa per l'agricoltura di montagna, Bergamo 27 luglio. Abstract e Poster.

Lago C., Landoni M., Cassani E., Cantaluppi E., Doria E., Nielsen E., Giorgi A., Pilu R. (2015). "Study and characterization of an ancient European flint white maize rich in anthocyanins: millo corvo from galicia". *PloS One* 10(5): e0126521. doi 10.1371. <http://www.ncbi.nlm.nih.gov/pubmed/25961304>

Giorgi A., Bertoni D., Manzo A., Panseri S. (2015). *L'Oro Rosso delle Alpi. Manuale tecnico-scientifico di produzione dello zafferano*. Biblion ed., Milano. ISBN: 9788898490226.

Montagna M, Chouaia B, Mazza G, Prosdocimi EM, Crotti E, Mereghetti V, Mereghetti V, Vacchini V, Giorgi A, et al. (2015). "Effects of the Diet on the Microbiota of the Red Palm Weevil (Coleoptera: Dryophthoridae)". *PLoS ONE* 10(1): e0117439. doi:10.1371/journal.pone.0117439 <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0117439>

Giorgi A., Manzo A., Nanayakkarawasam Masachhige C., Giupponi L., Cocucci M., Panseri S. (2015). "Effect of Biotic and Abiotic Stresses on Volatile Emission of *Achillea collina* Becker ex Rchb". *Natural Product Research* 29(18): 1695-1702 doi: 10.1080/14786419.2014.997725. <http://www.tandfonline.com>

## 2014

Munzinger S., Hennecke M., Miller G., Manzo A., Panseri S., Giorgi A. (2014). "Stressbedingte Veränderungen der Blüten-Duftbouquets von *Ophrys sphegodes* und *Ophrys pseudobertolonii* var. *benacensis*". *Ber. Arbeitskrs. Heim. Orchid.* 31(2): 64-74.

A. Giorgi, G. Sali, I. Battistini, R. Beltramo, G. Bischetti, A. Bonadonna, A. Bruni, G. Centemero, A. Cottini, B. Dell'Era, S. Duglio, M. Licitra Pedol, R. Louvin, A. Lugoboni, L. Monforte, G. Peira, E. Petriccioli (2014). "Rapporto di ricerca sulle nuove imprese agricole multifunzionali". *Ge.S.Di.Mont. - UNIMI, Edolo*.

A. Bruni (2014). "Il bando e lo studio di fattibilità: come redigere un progetto". In: Cerutti S. & Cottini A. (a cura di), "Territori di montagna e sviluppo locale: progettare con i fondi europei". *ARS.UNI.VCO*. pp. 41-50 <http://www.univco.it/documenti/pubblicazioni-ars-uni-vco>

Montagna M., Chouaia B., Sacchi L., Porretta D., Martin E., Giorgi A., Lozzia G.C., Epis S. (2014). A New Strain of *Wolbachia* in an Alpine population of the viviparous *Oreina cacaliae* (Coleoptera: Chrysomelidae). *Environmental Entomology* 43: 913-922. <http://www.bioone.org/doi/abs/10.1603/EN13228>

Montagna M., Gómez-Zurita J., Giorgi A., Epis S., Lozzia G., Bandi C. (2014). Metamicrobiomics in herbivore beetles of the genus *Cryptocephalus* (Chrysomelidae): Towards the understanding of ecological determinants in insect symbiosis. *Insect Science* 22(3): 340-352. <http://onlinelibrary.wiley.com/doi/10.1111/1744-7917.12143/abstract;jsessionid=521DCA2A0DB5D3E73D32C6B59172076C.f03t03>



Centro Studi Applicati per la Gestione Sostenibile e la Difesa della Montagna (2014). Progetto Alternativa Rurale: conoscere e valorizzare le opportunità e le potenzialità dell'economia di montagna. Ge.S.Di.Mont., Edolo (BS), pp.: 10.

C. Lago, E. Cantaluppi, G. Borgonovo, A. Manzo, M. Landoni, E. Cassani, A. Giorgi, E. Doria, E. Nielsen, R. Pilu (2014). "STUDY OF AN ANCIENT FLINT MAIZE LANDRACE FROM VALCAMONICA (BS)-ITALY RICH IN CAROTENOIDS AND FLAVONOIDS" comunicazione al 58° convegno della Società di genetica Agraria, 15-18 settembre 2014, Alghero.

C. Lago, G. Borgonovo, A. Manzo, M. Landoni, R. Pilu, A. Giorgi (2014). "PRELIMINARY CHARACTERIZATION OF AN ANCIENT COLORED FLINT MAIZE CULTIVAR, ORIGINATING FROM VALCAMONICA (BS)-ITALY-" comunicazione al 109° congresso della Società di Botanica Italiana, 2-5 settembre 2014, Firenze.

L. Giupponi, A. Giorgi (2014) (poster). "Effects of a fire on the vegetation of a mountainside of the Orobie Pre-Alps (Bergamo, Italy)". 109° congresso della Società di Botanica Italiana, 2-5 settembre 2014, Firenze.

A. Giorgi, I. Vagge, S. Panseri, A. Manzo (2014). "CHARACTERIZATION OF VOLATILE EMISSION OF ITALIAN POPULATIONS OF ORCHIDS WITH DIFFERENT REPRODUCTIVE STRATEGIES" comunicazione al 109° congresso della Società di Botanica Italiana, 2-5 settembre 2014, Firenze.

Leonelli G., Pelfini M., Panseri S., Battipaglia G., Vezzola L., Giorgi A. (2014) "Tree-ring stable isotopes, growth disturbances and needles volatile organic compounds as environmental stress indicators at the debris covered Miage Glacier".  
Geogr. Fis. Dinam. 32(2):101-111. [http://gfdq.glaciologia.it/037\\_2\\_03\\_2014/](http://gfdq.glaciologia.it/037_2_03_2014/)

Manzo A., Panseri A., Vagge I., Giorgi A. (2014). "Volatile fingerprint of Italian populations of orchids using Solid Phase Microextraction and Gas Chromatography coupled with Mass spectrometry" *Molecules*, 19:7913-7936. <http://www.ncbi.nlm.nih.gov/pubmed/24962394>

Giorgi A., Manzo A., Vagge I., Panseri S. (2014). "Effect of Light Environment on Growth and Phenylpropanoids of Yarrow (*Achillea collina* cv. SPAK) Grown in the Alps" *Photochem. Photobiol.* 90:113-120. <http://onlinelibrary.wiley.com/doi/10.1111/php.12150/abstract>

Panseri S., Catalano A., Giorgi A., Arioli F., Procopio A., Britti D., Chiesa L.M. (2014). "Occurrence Of Pesticide Residues In Italian Honey From Different Areas In Relation To Its Potential Contamination Sources" *Food Control* 38: 150-156. <http://www.sciencedirect.com/science/article/pii/S0956713513005471>

## 2013

Previtali F., Ragazzoli A., Bernardi M. (2013). "Minerali, rocce e suoli. Guida alla mostra permanente presso l'Università della Montagna (sede di Edolo)". Facoltà di Agraria, Università degli Studi di Milano – Ge.S.Di.Mont., Edolo.

Caneva G., Cornara L., Giorgi A., Guarrera P.M., Mariotti M., Salerno G., Savo V. (2013). "Etnobotanica e risorse per il turismo". In: Caneva G., Pieroni A., Guarrera P.M. (a cura di), 2013 "Etnobotanica.



Conservazione di un patrimonio culturale come risorsa per uno sviluppo sostenibile". Edipuglia, Bari. pp. 257-282. [http://host.uniroma3.it/centri/croma/altri\\_enti\\_single.asp?IdCollana=10](http://host.uniroma3.it/centri/croma/altri_enti_single.asp?IdCollana=10)

Giorgi A., Panseri S., Mattara M., Andreis C., Chiesa L.M. (2013). "Secondary Metabolites And Antioxidant Capacities of *Waldheimia glabra* (Decne.) Regel From Nepal". Journal of the science of food and agriculture 93(5): 1026-1034. <http://onlinelibrary.wiley.com/doi/10.1002/jsfa.5839/abstract>

Lozzia G. C., Giorgi A., Morlacchi P., Baumgärtner J. (2013). "Comments on the dynamics of insect population assemblages and sampling plans for aphids in commercial alpine yarrow fields" Bulletin of Insectology 66(1):35-43. <http://www.bulletinofinsectology.org/pdfarticles/vol66-2013-035-043lozzia.pdf>

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

Panseri S., Manzo A., Chiesa L.M., Giorgi A. (2013). "Melissopalynological and Volatile Compounds Analysis of Buckwheat Honey from Different Geographical Origins and Their Role in Botanical Determination" Journal of Chemistry, 904202, ISSN: 2090-9063, doi: 10.1155/2013/904202. <http://www.hindawi.com/journals/jchem/2013/409826/>

Lago C, Minazzato G, Raineri E, Atanassiu S, Maggioni N, Trovato R, Cassani E, Landoni M, Giorgi A, Pilu R (2013). "Preliminary Characterization Of Cultivars Of Colored Polenta Maiz". In: Proceedings of the 57th Italian Society of Agricultural Genetics Annual Congress. ISBN: 978-88-904570-3-6, Foggia, 16-19 settembre.

Giorgi A, De Marinis P, Mattara M, Chiesa LM, Panseri S (2013). "Ethnobotanical study of medicinal plants traditionally used in the North of Pará State, Brazil" In: 13th Congress of the International Society for Ethnopharmacology. Graz, Austria, September 2 - 6, 2012.

Caneva G, Cornara L, Giorgi A, Guarrera PM, Mariotti M, Salerno G, Savo V (2013). "Etnobotanica-Conservazione di un patrimonio culturale come risorsa per uno sviluppo sostenibile". vol. Studio, Tutela e fruizione dei Beni Culturali. <http://www.univeur.org/cuebc/index.php/it/collana-studio-tutela-e-fruizione-dei-beni-culturali-2/744-4-etnobotanica-conservazione-di-un-patrimonio-culturale-come-risorsa-per-uno-sviluppo-sostenibile>

Montagna M., Sassi D., Giorgi A. (2013). "Pachybrachis holerorum (Coleoptera: Chrysomelidae) a new species from Northern Apennines (Italy)." Zootaxa 3741(2): 243-253. [http://www.mapress.com/zootaxa/list/2013/3741\(2\).html](http://www.mapress.com/zootaxa/list/2013/3741(2).html)

Manzo A, Panseri S, Giorgi A (2013) (poster). "Effect of biotic and abiotic stimuli on volatile emission of *Achillea collina* C.V. Spak grown in the Alps". In: Società Italiana di Fitochimica (a cura di), "Prodotti Naturali: una risorsa in campo farmaceutico, salutistico, cosmetico ed agro-alimentare". p. 103-104, Milano: The Winter, ISBN: 978-88-97341-44-4, Gargnano, 19-21 settembre.

A. Manzo, S. Panseri, I. Vagge, A. Giorgi (2013) (poster). "STUDY OF THE QUALITY OF SAFFRON (*Crocus sativus* L.) PRODUCED IN THE ALPS". 108° congresso della Società di Botanica Italiana, Beselga di Piné (TN), 18-20 settembre





Caldara R., Sassi D., Montagna M. (2013). "Systematics of the weevil genus *Mecinus* Germar, 1821 (Coleoptera: Curculionidae). II. Phylogenetic analysis based on adult morphological characters and host plant information." *Zootaxa* 3664 (2): 136–148. [http://www.mapress.com/zootaxa/list/2013/3664\(2\).html](http://www.mapress.com/zootaxa/list/2013/3664(2).html)

DeNoni I., Brasca M., Battelli G., Cattaneo S., Decimo M., Masotti F., Morandi S., Pellegrino L., Ranghetti A., Silvetti T., Stuknyte M. (2013) "Silter: starter autoctoni e tipicità" Quaderni della Ricerca n. 156 Regione Lombardia. <http://www.agricoltura.regione.lombardia.it>

Montagna M., Sasseria D., Epis S., Bazzocchi C., Vannini C., Lo N., Sacchi L., Fukatsu T., Petroni G., Bandi C. (2013). "Candidatus *Midichloriaceae* fam. nov. (Rickettsiales), an ecologically widespread clade of intracellular alphaproteobacteria". *Appl Environ Microbiol.* 79(10): 3241-3248. <http://aem.asm.org/content/79/10/3241>

Montagna M., Giorgi A., D'angelo E., Sassi D., Lozzia G.C. (2013). "Population genetics of *Cryptocephalus barii* (Coleoptera; Chrysomelidae), a species endemic of Orobic mountains (Alps, Italy)". ESA 61st Annual Meeting November 2013 - Austin, Texas.

Chouaia B., Montagna M., Vacchini V., Epis S., Mazza G., Prosdocimi E., Crotti E., Longo S., Sacchi L., Giorgi A., Cervo R., Daffonchio D., Lozzia G., Bandi C. (2013). "Microbial symbionts of the Red Palm Weevil (*Rhynchophorus ferrugineus*): insights from 16S rRNA pyrotag studies". ESA 61st Annual Meeting November 2013 - Austin, Texas.

## 2012

Montagna M, Lozzia G.C., Giorgi A., Baumgartner J. (2012). "Insect community structure and insect biodiversity conservation in an Alpine wetland subjected to an intermediate diversified management regime" *Ecological Engineering* 47: 242-246. <http://www.sciencedirect.com/science/article/pii/S0925857412002248>

Scaglia B, Salati S, Rolli E, Giorgi A, Trombino L, Zerboni A, Tambone F, Borin S, Sherpa T, Sherpa P, Daffonchio D, Adani F (2012). "Primary Colonization and Soil Neo-Genesis in Deglaciating Environments at High Altitude and Low Latitudes: The Case Of The Lobuche Glacier (Everest Mountain - Nepal)" In: EUROSOIL 2012 4th International Congress, 2-6 July, Bari.

A. Giorgi, S. Panseri, M. Mattara, M. Montagna (2012) (poster). "Volatile Organic Compound Emissions In *Myzus Persicae* Resistant And Susceptible Peach Cultivars". Intervento presentato al 30° Convegno Nazionale della Società Italiana di Chimica Agraria : La Chimica Agraria tra Energia e Ambiente, Milano.

A. Giorgi, L. Brussolo, M. Mattara, L.M. Chiesa, S. Panseri (2012). "Characterization of "in Vivo" sampled vocs of *Bixia Orellana* and its seeds extracts properties". Intervento presentato al 13° Congress of the International Society for Ethnopharmacology tenutosi a Graz, Austria.

Giorgi A., Panseri S., Nanayakkarawasam Masachchige C., Chiesa L.M. (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* 55: 251-260. <http://link.springer.com/article/10.1007%2Fs12374-011-0356-0>



A. Giorgi, S. Panseri, C.N. Nanayakkarawasam Masachchige, M. Mattara, G. C. Lozzia. (2012) "Comparative Evaluation Of Vocs Emitted By *Achillea collina* Infested By Aphids And Mechanically Damaged". Intervento presentato al 24. convegno International Congress of Entomology tenutosi a Daegu - Korea nel 2012.

## 2011

S. Panseri, L.M. Chiesa, N. Nanayakkarawasam M.C. Nanayakkara, M. Mattara, A. Giorgi (2011). "Comparison Of Volatile Compounds Induced By Aphids And Mechanical Damage In *Achillea Collina*" In: *Acta horticulturae* - ISSN 0567-7572. - 955:1(2012 Aug 31), pp. 275-280. (Intervento presentato al 1. convegno I International Symposium on Medicinal, Aromatic and Nutraceutical Plants from Mountainous Areas (MAP-Mountain 2011) tenutosi a Saas-Fee, Switzerland nel 2011.

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

Giorgi A., Madeo M., Baumgartner J., Lozzia G.C. (2011). "The Relationships between Phenolic Content, Pollen Diversity, Physicochemical Information and Radical Scavenging Activity in Honey" *MOLECULES*, 16: 336-347. <http://www.mdpi.com/1420-3049/16/1/336>

Oltre 300 sequenze nucleotidiche depositate in banche dati internazionali EMBL, GenBank.