



PERSONAL INFORMATION

**Marino Quaranta**



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<http://www.apiselvatiche.it>  
<http://www.beewatching.it>  
<https://www.stopvelutina.it>

Sex Male | Date of birth 04/11/1960 | Nationality Italian

INTRODUCTION

Ph.D. in Agricultural Entomology, I am a researcher at CREA (Council for Research in Agriculture and Analysis of Agricultural Economics), where I worked in various research centers since 1995. I currently work at the CREA-AA (Agriculture, Environment) of Bologna. I have participated in projects on various aspects of study concerning honey bees and wild bees (Hymenoptera, Apoidea).  
 My research focuses on the taxonomy, biology and ecology of wild bees, pollination biology of crops and wild plants and bee-biodiversity changes at different scales, using bees as indicators of biodiversity. Currently my main long-term commitments are: Building a National Reference Collection of bee species; an Annotated checklist of Italian bee species; Digitization of Italian bee collections; Creation of information sheets for each species of Italian bees; Italian Red List of bees.

WORK EXPERIENCE

(from 28/12/2012- to present)

Researcher at CREA – Council for Agricultural Research and Agricultural Economy Analysis. Research Centre for Agriculture and Environment, Bologna

(from October 2020 - to January 2021)

Location: Parma  
 Company: EFSA European Food Safety Authority  
 Position: Expert  
 Task: Experts Knowledge Elicitation (EKE) to assess the attractiveness of crops for pollen collection of bees - Guidance on quantitative pest risk assessment  
 Revision - Hearing experts intervening in their private capacity

- Hearings took place in 7 sessions on the following dates and times:

07/10/2020 (09:00 - 11:00)  
 12/10/2020 (09:00 - 11:00)  
 09/11/2020 (14:00 - 16:00)  
 26/11/2020 (11:00 - 16:00)  
 14/12/2020 (14:00 - 16:00)  
 16/12/2020 (11:00 - 13:00)  
 19/01/2021 (14:00 - 15:00)

(from May 2019 - to December 2020)

Location: Brussels

Company: European Commission

Position: Expert (EXPERT NUMBER – CT-EX2016D292952-101)

- The expert must assist the Commission with advice on: implementation of the Horizon 2020 Framework Programme 1.
- Under Action 1A of the European Pollinator Initiative the Commission will devise and test an EU-wide pollinator monitoring scheme to ensure the provision of good quality data for assessing the status and trends of pollinator species in the EU and developing a pollinator indicator. A technical expert group will be set up to support this work.

**Questions that need to be addressed by a monitoring scheme**

- What are the status and trends of pollinators in the EU
- What are the status and trends of habitats that support pollinators in the EU
- How do pollutants impact pollinators. Pollutants include pesticides with direct impacts (insecticides) or indirect effects (e.g. herbicides and fungicides), as well as other pollutant such as heavy metals or nitrogen which adversely affect plant communities
- How do crops benefit from pollinators
- What conservation actions are needed to support pollinators

(from April 2012- to 20/12/2012)

Location: Lesvos, Greece  
 Company: University of the Aegean  
 Position: Consultant

• within the project "THALES - UNIVERSITY OF THE AEGEAN - THE POLLINATORS OF THE AEGEAN: BIODIVERSITY AND THREATS" with code 2424 [65th Meeting of 21/12/2011]

Tasks: Identification of wild bees collected in the work packages: WP1 (Assessment of biodiversity of pollinators in the Aegean Sea: species richness in relation to population size), WP5 (Effects of grazing on the biodiversity of pollinators and network structure plant-pollinator), WP6 (Effects of fires and restoration of biodiversity of pollinators and the services they offer, and of pollinator-plant networks), WP7 (Effects of electromagnetic radiation from mobile phone antennas on the diversity of pollinators)

(from 2003- to 2007)

Location: Rome, Italy  
 Company: CRA - ISF (Fruit Tree Research Institute - Agricultural Research Council)  
 Position: Research Associate (Research grant)

- Programme: "Employment of innovative techniques of low environmental impact for protection of some fruit crops from main key pests" The task included:
- Studies on strategies of plant protection from Tephritid flies (*Ceratitis capitata* and *Rhagoletis cerasi*) including comparison of mass "capture and kill" traps and monitoring traps, baited with different attractives
- Employment of entomo-patogenic nematodes
- Comparing different cultivars for tolerance to pests
- Researches on biodiversity of natural enemies and predators of pests
- The task included presentation of reports, studies, conferences, giving personal contribution in projecting research protocols, writing scientific papers

(from 1997- to 2002)

Location: Bologna, Italy  
 Company: CRA - INA (National Institute of Apiculture -Agricultural Research Council)  
 Position: Consultant

- As an "Expert in taxonomy" within the framework of the Finalized Project "Ape, Miele, Ambiente" (Honeybee, Honey, Environment) -, funded by the Italian Ministero per le Politiche Agricole, to provide for the necessities of taxonomic determinations for all the eight Research Institutions participating the project
- The task included presentation of reports, studies, conferences, giving personal contribution in projecting research protocols, writing scientific papers, training young researchers and keeping constant attention to the evolution of the International Conventions and laws concerning the biodiversity.

(from 1995- to 1997)

Location: Rome, Italy  
 Company: CRA - ISZA (Agricultural Zoology Institute - Agricultural Research Council)  
 Position: Research Associate (Research Fellowship)

- Knowledge and conservation strategies of pollinators
- Promote the value of the hive products

(from 1993- to 1995)

Location: Perugia, Italy  
 Company: University of Perugia  
 Position: PhD Fellowship

- PhD Programme in Agricultural Entomology
- Researches on biology, ecology and systematics of *Bombus* Latr. and *Psithyrus* Lep. (Hymenoptera, Apidae) in the National Park of the Sibillini Mountains.

(from October 1993- to February 1994)

Location: Mons, Belgium  
 Company: University of Mons-Hainaut  
 Position: PhD Fellowship

- Within the framework of the PhD Programme, to learn the elements for the study of bumblebees taxonomy and a faunistic data bank management.

(from 1990- to 1992)

Location: Perugia, Italy  
 Company: AG.E.R. (Associated Agronomists)  
 Position: Co-founder of the consulting firm

- Biological plant protection in many horticultural, fruit-growing and floricultural firms in greenhouses and open air in the provinces of Perugia, Arezzo and Pistoia (Umbria, Tuscany)
- Research Programme co-funded by the Umbria Regional Bureau for Agricultural Development (ESAU) and the National Agency for Energy and Environment (ENEA)
- Employment of entomophagous and other beneficial insects or organisms (bacteria, viruses, nematodes) e.g.: *Orius spp.*, *Chrysoperla carnea*, *Aphidoletes aphidimyza*, *Rodolia cardinalis*, *Cryptolaemus montrouzieri*, *Encarsia formosa*, *Diglyphus isaea*, *Leptomastix dactylopii*, *Phytoseiulus persimilis*; *Amblyseius cucumeris*; *Bombus terrestris*; *Bacillus thuringiensis*; *Verticillium lecanii*, *Heterorhabditis sp.*
- Implementation of procedural guidelines and reports on the activities

(from 1989- to 1992)

Location: Perugia, Italy  
 Company: University of Perugia  
 Position: Research fellowship

- Pollination of crop and wild plants and understanding the role of pollinators
- Morphology and structure of pollens by Optical and Scanning Electronic Microscopy
- Monitoring environment pollution using the honeybee as a biologic indicator
- Recovering marginal lands by cultivation of bee flora and development of beekeeping

## EDUCATION AND TRAINING

from 1993 - to 1995      PhD in agricultural entomology  
 University of Perugia, Italy

from 1979 - to 1987      MSc in agricultural science  
 University of Perugia, Italy

## PERSONAL SKILLS

Mother tongue      Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	C1	B2	B2	B1
French	B1	B2	A2	A2	A2

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

## ADDITIONAL INFORMATION

Projects	<ul style="list-style-type: none"> <li>◆ <u>Project Beenet - National Rural Network - 2019-2023</u>, as Team leader in the WP: Biodiversity of Apoidea - Monitoring Scheme                      Funding body: Ministry of Agricultural, Food and Forestry Policies. Dept. of European and international policies and rural development. Type of financing: National Rural Network 2014-2020                      The project involves the development of a beekeeping monitoring network, consisting of 300 workstations (apiaries) located on the Italian territory. Some stations will have to be located in areas where environmental protection measures provided for in the RDP are applied and others that do not have them. The trend of the bee families (also detected through automatic control units) and the analysis of the bee matrices will provide information on the health status of the bees and the surrounding environment and therefore of the effectiveness of the PSR mitigation measures. In some areas, the biodiversity of Apoidea (wild bees) and beekeeping flora will also be assessed, as an indicator of environmental health.</li>   <li>◆ <u>Project LIFE 4 POLLINATORS - LIFE18-GIE IT 000755 2019-2023</u>: Involving people to protect wild bees and other pollinators in the Mediterranean                      The aim of the LIFE 4 POLLINATORS project is to improve pollinator conservation by creating a virtuous circle leading to a progressive change in practices across the Mediterranean region.</li>   <li>◆ <u>Project Velutina 2014-2016</u>                      National project funded by the Ministry of Agriculture, Food and Forestry for the development of strategies to contain the alien wasp species <i>Vespa velutina</i>, noxious to honeybees.  <a href="http://www.stopvelutina.it/">http://www.stopvelutina.it/</a></li>   <li>◆ <u>Project pp-ICON - LIFE09 / NAT / IT000212 2011-2015</u>                      PP-ICON project (Plant Pollinator Integrated Observation Approach: a demonstrative proposal) focuses on the conservation of locally rare plants (<i>Dictamnus albus</i> L.)  <a href="http://www.pp-icon.eu/">http://www.pp-icon.eu/</a></li>   <li>◆ <u>Project STEP - FP7 grant no. 244090-STEP-CP-FP 2010-2015</u>                      The overall aim of STEP is to assess the current status and trends of pollinators in Europe.  <a href="http://step-project.net/">http://step-project.net/</a></li> </ul>
Memberships	<ul style="list-style-type: none"> <li>● from 2011: BWARS Member - Bees, Wasps &amp; Ants Recording Society (<a href="http://www.bwars.com/">http://www.bwars.com/</a>);</li>   <li>● From 2016: ANMS Individual Member - National Association of Scientific Museums (<a href="http://www.anms.it/">http://www.anms.it/</a>)</li> </ul>
Peer Reviews	omissis

Conferences  
 (Posters or oral presentations)

1<sup>st</sup> ApiEcoFlora Symposium - Republic of San Marino, 4-6 October 2012. As Invited Speaker. Quaranta M. - The Italian wild bees.

20<sup>th</sup> Italian Congress of Entomology – Assisi (Perugia), 13-18 June 2005. 1<sup>st</sup> Poster: Palmieri N., Quaranta M., Sabatini A.G. – Foraging strategy of *Anthophora plumipes* (Pallas) (Hymenoptera, Anthophoridae) through analysis of pollen taken from legs and intestine. 2<sup>nd</sup> Poster: Fenio A., Tronci C., Paolini A., Cristofaro M., Tabilio M.R., Quaranta M. – Effects of Spinosad (Dow Agrosiences) on the life cycle of *Ceratitis capitata* Wied. (Diptera, Tephritidae). 3<sup>rd</sup> Poster: Di Franco F., Tabilio M.R., Quaranta M., Letardi A. – Araneae (Arachnida) of orchards: comparative surveys in some organic crops (Central Italy).

1<sup>st</sup> European Conference of Apidology (EURBEE) – Udine, 19-23 September 2004. 1<sup>st</sup> oral report: Quaranta M. - Diversity of wild bees (Hymenoptera, Apoidea) in the agricultural landscape of Italy. 2<sup>nd</sup> oral report: Graziano G., Intoppa F., Piazza M.G., Quaranta M. – Activity of *Bombus* Latreille. 1802 colonies in a valley of Central Apennines.

10<sup>th</sup> National AISASP (Italian Association for the Study of Social and Presocial Arthropods – Italian Chamber IUSS - International Union for the Study of Social Insects) Conference – Rome, 11-13 June 2003. Oral report: Quaranta M. – Activity of soil nesting *Anthophora plumipes* Pallas (Hymenoptera, Apoidea, Anthophoridae) females in a nest aggregation.

Conference entitled "The role of research in apiculture: the Ape, Miele, Ambiente – Bee, Honey, Environment Special Project – Bologna, 14-16 March 2002. Oral report: Quaranta M. – The wild pollinators surveyed in Italy under the AMA project.

7<sup>th</sup> National AISASP Conference – Bologna, 11-13 September 1997. Poster: Quaranta M. – The diet of 5 common species of bumblebees (*Bombus* Latr.: Hymenoptera, Apidae) in natural conditions.

20<sup>th</sup> International Congress of Entomology – Florence, 25-31 August 1996. Poster: Quaranta M., Ricciardelli D'Albore G. – The Bombinae in the Monti Sibillini National Park (Central Italy). (Hymenoptera, Apidae: *Bombus* Latre. and *Psithyrus* Lep.).

17<sup>th</sup> National Congress of Entomology – Udine, 13-18 June 1994. Oral report: Ricciardelli D'Albore G., Quaranta M., Pinzauti M. – Microscopic study of the diet of *Osmia rufa comigera* Rossi in Umbria.

9<sup>th</sup> Symposium of Palynology - Las Palmas de Gran Canaria, 30 November – 4 December 1992. Poster: Valencia Barrera R., Priore R., Ricciardelli D'Albore G., Quaranta M. – "Nuevas observaciones sobre el origen Botánico de mieles de Marche (Central Italy)".

## Teaching

**Bee Taxonomy Courses**

- I: 26-30 October 2015, Florence, Italy (Italian);
- II: 22-26 February 2016, Florence, Italy (Italian);
- III: 14-18 November 2016, Florence, Italy (Italian);
- IV: 9-13 April 2018, Bologna, Italy (English);
- V: 25 February-1 March 2019 Bologna, Italy (Italian).

Main objective of the course is to prepare the student for the identification of bee sample. Lab work constitutes the main part of the training. Lectures include background information on wild bees biology and ecology and on sampling strategies. A short field trip acquaint participants with collecting and sampling techniques; lab work includes instruction on specimen preparation and labeling.

- Seminars
- University of Pisa, Department of Veterinarian Anatomy, Physiology and Biochemistry*  
28-29 September 2012 – course on "Systematics, morphology and biology of Hymenoptera Apoidea" for the Master Level II: "Bee Pathology and Apidology".
- University of Pisa, Department of Veterinarian Anatomy, Physiology and Biochemistry*  
19-20 September 2008 – course on "Systematics, morphology and biology of Hymenoptera Apoidea" for the Master Level II: "Bee Pathology and Apidology".
- C.R.A. – Council for Research and Experimentation in Agriculture – National Institute of Apiculture, Bologna*  
11 February 2000 – Seminar entitled: "Family Halictidae (Hymenoptera, Apoidea): Systematics, taxonomy, morphology".
- C.R.A. – Council for Research and Experimentation in Agriculture – National Institute of Apiculture, Bologna*  
21 January 2000 – Seminar entitled: "Family Andrenidae (Hymenoptera, Apoidea): Systematics, taxonomy, morphology".
- University of Catania, Institute of Agricultural Entomology*  
19 June 1999 – Report entitled "The identification in the field of bumblebees and other Apoidea".
- University of Udine, Department of Biology applied to the protection of plants*  
4 May 1999 – Seminar entitled: "Biology and Behaviour of Apoidea."
- University of Sassari, Institute of Agricultural Entomology*  
25 April 1999 – Seminar entitled "Systematics of Apoidea"  
26 April 1999 – Seminar entitled "Biology and economic importance of Apoidea".

## Publications

- 64) Potts, S.G., Dauber, J., Hochkirch, A., Oteman, B., Roy, D.B., Ahmé, K., Biesmeijer, K., Breeze, T.D., Carvell, C., Ferreira, C., FitzPatrick, Ú., Isaac, N.J.B., Kuussaari, M., Ljubomirov, T., Maes, J., Ngo, H., Pardo, A., Polce, C., Quaranta, M., Settele, J., Sorg, M., Stefanescu, C., Vujčić, A., Proposal for an EU Pollinator Monitoring Scheme, EUR 30416 EN, Publications Office of the European Union, Ispra, 2021, ISBN 978-92-76-23859-1, doi:10.2760/881843, JRC122225.
- 63) Fisogni A., Massol F., De Manincor N., Quaranta M., Bogo G. Bortolotti L., Galloni M., 2020 - Network analysis highlights increased generalisation and evenness of plant-pollinator interactions after conservation measures. *Acta Oecologica*, 110 (2021): 103689
- 62) Floris I, Pusceddu M., Mannu R., Buffa F., Quaranta M., Satta A., 2020 - The impact of sap-sucking insect pests (*Blastopsylla occidentalis* Taylor and *Glycaspis brimblecombei* Moore, Hemiptera: Psyllidae) on unifloral eucalyptus honey. *Annals of Silvicultural Research*, 44 (2), 2020: 66-70
- 61) F. Bouti; M. L. Berkani; S. Doumandji; M. Quaranta, 2020 - New records of Apoidea (Hymenoptera, Apoidea, Apiformes) in Algeria. *Arxius de Miscel·lània Zoològica*, 18: 1-3. ISSN: 1698-0476
- 60) Massimo Cocchi; Giovanni Lercker; Natale Giuseppe Frega; Fabio Gabrielli; Marino Quaranta. 2019 - Is a low concentration of Linoleic Acid related to the extended longevity of the Queen honeybee?. *Progress in Nutrition*, 21(4): 729-734. DOI: 10.23751/pn.v21i4.9086
- 59) Quaranta, M., Cornalba, M., Biella, P., Comba, M., Battistori, A., Rondinini, C., Teofili, C. - 2018 - Lista Rossa IUCN delle api italiane minacciate. Comitato Italiano IUCN, pp.66
- 58) FISOGNI A., QUARANTA M., GRILLENZONI F.V., CORVUCCI F., DE MANINCOR N., BOGO G., BORTOLOTTI L., GALLONI M., 2018 - Pollen load diversity and foraging niche overlap in pollinator community of the rare *dictamnus albus* L. *Arthropod-Plant Interactions*. 12 (2): 191-200. doi: 10.1007/s11829-017-9581-x
- 57) Hudson, L. N., Newbold, T., Contu, S., Hill S. L. L., Lysenko, I., De Palma A., ...Quaranta M., ... Purvis, A., 2017 - The database of the PREDICTS (Projecting Responses of Ecological Diversity In Changing Terrestrial Systems) project. *Ecology and Evolution*, 7(1): 145-188. DOI: 10.1002/ece3.2579
- 56) A. De Palma; S. Abrahamczyk; M. A. Aizen; M. Albrecht; Y. Basset; ... M. Quaranta; ... A. Purvis, 2016 - Predicting bee community responses to land-use changes: Effects of geographic and taxonomic biases. *Scientific Report*, 6(31153): 1-14 DOI: 10.1038/srep31153
- 55) F. SGOLASTRA, A. FISOGNI, M. QUARANTA, G. BOGO, L. BORTOLOTTI, M. GALLONI, 2016 - Temporal activity patterns in a flower visitor community of *Dictamnus albus* in relation to some biotic and abiotic factors. *Bulletin of Insectology* 69 (2): 291-300, 2016. ISSN 1721-8861
- 54) A. FISOGNI, M. ROSSI, F. SGOLASTRA, L. BORTOLOTTI, G. BOGO, N. DE MANINCOR, M. QUARANTA & M. GALLONI, 2015 - Seasonal and annual variations in the pollination efficiency of a pollinator community of *Dictamnus albus* L. *Plant Biology* ISSN 1435-8603. doi:10.1111/plb.12417
- 53) HUDSON, L. N., NEWBOLD, T., CONTU, S., HILL S. L. L., LYSENKO, I., DE PALMA A., ... PURVIS, A. (2014). The PREDICTS database: a global database of how local terrestrial biodiversity responds to human impacts. *Ecology and Evolution*, 4 (24): 4701-4735. doi: 10.1002/ece3.1303
- 52) NIETO, A., ROBERTS, S.P.M., KEMP, J., RASMONT, P., KUHLMANN, M., GARCÍA CRIADO, M., BIESMEIJER, J.C., BOGUSCH, P., DATHE, H.H., DE LA RÚA, P., DE MEULEMEESTER, T., DEHON, M., DEWULF, A., ORTIZ-SÁNCHEZ, F.J., LHOMME, P., PAULY, A., POTTS, S.G., PRAZ, C., QUARANTA, M., RADCHENKO, V.G., SCHEUCHL, E., SMIT, J., STRAKA, J., TERZO, M., TOMOZIL, B., WINDOW, J. AND MICHEZ, D. 2014. European Red List of bees. Luxembourg: Publication Office of the European Union. ISBN: 978-92-79-44512-5; doi: 10.2779/77003
- 51) M. QUARANTA, A. SOMMARUGA, P. BALZARINI, A. FELICOLI, 2014 - A new species for the bee fauna of Italy: *Megachile sculpturalis* continues its colonization of Europe. *Bulletin of Insectology*, 67 (2): 287-293. ISSN 1721-8861
- 50) M. ROSSI, A. FISOGNI, M. NEPI, M. QUARANTA, M. GALLONI, 2014 - Bouncy versus idles: on the different role of pollinators in the generalist *Gentiana lutea* L. *Flora - Morphology Distribution Functional Ecology of Plants* 209(164):171. DOI:10.1016/j.flora.2014.02.00
- 49) P. ZANDIGIACOMO, L. FORTUNATO, R. BARBATTINI, F. FRILLI, G. PAGLIANO, M. QUARANTA, 2013 - Apoidea del Friuli Venezia Giulia e di territori confinanti. III. Andrenidae. *Gortania*, 34 (2012):101-136. ISSN: 2038-0402
- Apoidea of Friuli Venezia Giulia and neighbouring territories. III Andrenidae
- 48) M. QUARANTA, A. FELICOLI, 2012 - First report of *Bombus terrestris xanthopus* Kriechbaumer on the Italian peninsula (Hymenoptera: Apidae). *Ann. soc. entomol. Fr. (n.s.)*, 2012, 48 (3-4) : 343-346
- 47) L. MARINI, M. QUARANTA, P. FONTANA, J.C. BIESMEIJER, R. BOMMARCO, 2012 - Landscape context and elevation affect pollinator communities in intensive apple orchards. *Basic and Applied Entomology*, 13 (8): 681-689
- 46) G. BEDINI, A. FELICOLI, L. FILIPPI, M. PINZAUTI, M. QUARANTA, 2009 - Le Api. Importanti apoidi nel Parco del Beigua. Ed. Ente Parco del Beigua, via G. Marconi, 165 - 16011 Arenzano GE. ISBN: 978-88-95711-01-0





45) M.R. TABILIO, R. MANDATORI, M. QUARANTA, R. DE SALVADOR, 2008 - *Ceratitis capitata* (Wiedemann): una prospettiva di controllo dai nematodi entomopatogeni. Atti del VI Convegno Nazionale sulla Peschicoltura Meridionale, 6-7 marzo, Caserta.

*Ceratitis capitata* (Wiedemann): a perspective of control by entomopathogenic nematodes.

44) M. GALLONI, L. PODDA, D. VIVARELLI, M. QUARANTA, G. CRISTOFOLINI, 2008 – Visitor diversity and pollinator specialization in Mediterranean legumes. *Flora* 203 (2008): 94–102.

43) A. MANINO, A. PATETTA, M. PORPORATO, M. QUARANTA, F. INTOPPA, M.G. PIAZZA, F. FRILLI, 2007 – Bumblebee (*Bombus* Latreille, 1802) distribution in high mountains and global warming. *Redia*, 90: 125-129.

42) M. TÓTH, M.R. TABILIO, R. MANDATORI, M. QUARANTA, G. CARBONE, 2007 – Comparative performance of traps for the Mediterranean fruit fly *Ceratitis capitata* Wiedemann (Diptera: Tephritidae) baited with female-targeted or male-targeted lures. *International Journal of Horticultural Science* 2007, 13 (4): 11–14. ISSN 1585-0404.

41) M.R. TABILIO, A. LETARDI, F. DI FRANCO, F. BALDACCHINO, R. MANDATORI, M. QUARANTA, M. TOTH, 2007 – Gestione di un predatore chiave in un agroecosistema con un attrattivo chimico. Proceedings of the 21<sup>st</sup> Italian National Congress of Entomology, Campobasso 11-16 June 2007: 232 (poster abstract).

*Management of a key predator in an agro-ecosystem by means of an attractive chemical.*

40) F. DI FRANCO, M.R. TABILIO, A. LETARDI, M. QUARANTA, R. MANDATORI, 2007 – I ragni dei frutteti: ulteriori indagini comparative in coltivazioni biologiche e convenzionali. Proceedings of the 21<sup>st</sup> National Congress of Entomology, Campobasso 11-16 June 2007: 189 (poster abstract).

*The spiders of orchards: further investigations in comparative organic and conventional crops.*

39) R. AUGELLO, G. DODARO, F. INTOPPA, M.G. PIAZZA, M. QUARANTA, 2007 – Specie di *Bombus* Latreille e *Psithyrus* Lepeletier del Molise: distribuzione e variabilità cromatica. Proceedings of the 21<sup>st</sup> Italian National Congress of Entomology, Campobasso 11-16 June 2007: 145 (poster abstract).

*Species of Bombus Latreille and Psithyrus Lepeletier of Molise: distribution and variability of colours.*

38) R. BARBATTINI, F. FRILLI, P. ZANDIGIACOMO, G. PAGLIANO, M. QUARANTA, 2006 – Apoidea del Friuli Venezia Giulia e di territori confinanti. II. Apidae. *Gortania, Atti del Museo Friulano di Storia Naturale*, 28 (2006): 139-184.

*Apoidea of Friuli Venezia Giulia and neighbouring territories. II. Apidae.*

37) R. BARBATTINI, F. FRILLI, P. ZANDIGIACOMO, G. PAGLIANO, M. QUARANTA, 2005 – Apoidea del Friuli Venezia Giulia e di territori confinanti. I. Introduzione generale e Colletidae. *Gortania, Atti del Museo Friulano di Storia Naturale*, 27 (2005): 305-338.

*Apoidea of Friuli Venezia Giulia and neighbouring territories. I. General introduction and Colletidae.*

36) N. PALMIERI, M. QUARANTA, A.G. SABATINI, 2005 – Strategia di bottinamento di *Anthophora plumipes* (Pallas) (Hymenoptera, Anthophoridae) attraverso l'analisi del polline prelevato dalle zampe e dall'apparato digerente. *Apoldea*, 2, 148-153.

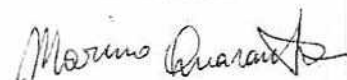
*Strategies in the foraging behaviour of Anthophora plumipes (Pallas) (Hymenoptera, Anthophoridae) through analysis of pollen taken from the legs and the digestive system.*

35) F. DI FRANCO, M.R. TABILIO, M. QUARANTA, A. LETARDI, 2005 – Araneae (Arachnida) dei frutteti: indagini comparative in alcune coltivazioni biologiche (Italia Centrale). Proceedings of the 20<sup>th</sup> Italian National Congress of Entomology, Assisi 13-18 June 2005: 439 (poster abstract).

(continues)

20 January, 2021

Dr. Marino Quaranta



I hereby authorize those to whom this CV is distributed to process my personal data as provided for by Italian Decree 196/03.

Dr. Marino Quaranta





**Oggetto:** Fwd: Seminari di settembre

**Mittente:** pina.leone@gransassolagapark.it

**Data:** 20/08/2021, 10:57

**A:** Nunziadigiustino <nunziadigiustino@gransassolagapark.it>

Nunzia cara

puoi protocollare i due CV che mi ha mandato Giorgio? non hanno lettera nè email di accompagnamento ma almeno hanno un protocollo.

Grazie

Pina

----- Messaggio originale -----

Oggetto: Fwd: Seminari di settembre

Data: 2021-08-20 08:10

Mittente: Giorgio Davini <giorgiodavini@gransassolagapark.it>

Destinatario: "pina.leone@gransassolagapark.it" <pina.leone@gransassolagapark.it>

----- Messaggio Inoltrato -----

OGGETTO:

R: Seminari di settembre

DATA:

Thu, 19 Aug 2021 20:21:08 +0000

MITTENTE:

Quaranta, Marino (CREA-AA) <marino.quaranta@crea.gov.it>

A:

giorgiodavini <giorgiodavini@gransassolagapark.it>

Caro Giorgio,

non trovando in copia l'indirizzo email della collega Pina Leone, invio il mio cv a te, pregandoti di inoltrarlo alla collega

Un cordiale saluto

Marino

-----Messaggio originale-----

Da: Giorgio Davini <giorgiodavini@gransassolagapark.it> Inviato:

giovedì 19 agosto 2021 15:32

A: Antonio Felicioli <antonio.felicioli@unipi.it>; Quaranta, Marino (CREA-AA) <marino.quaranta@crea.gov.it>

Oggetto: Seminari di settembre

carissimi,

mi sollecitano la trasmissione dei cv di chi terrà i seminari programmati a fine settembre.

Vi prego di inviarli alla collega Pina Leone...

Grazie

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Giorgio Davini

Ufficio Sviluppo Territoriale

Area Valorizzazione Economica e Sociale

Via del Convento snc

67010 - Assergi (AQ)

Tel. 0862.6052250

Mob. 393.6132492

— Allegati: —

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