

Carmelo Peter Bonsignore
Curriculum Vitae

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Personal Information

Full name: Carmelo Peter Bonsignore

Orcid N°: 0000-0002-9158-1386

Scopus Author ID: 22133407000

Present Position

Mediterranean University of Reggio Calabria, Dipartimento PAU,
Researcher since November 2003.
Subject area: General and Applied Entomology

Academicals activity:

Teaching activity related to Forestry and Agricultural Entomology, Integrated Pest Management, Biological Control at the University of Reggio Calabria and General and Applied Entomology at the University of Messina.

Tutor activity during the Ph.D. program

PhD Program XXI cycle (AGR11- General and Applied Entomology) "Cultivation and Defense of Tropical and Sub-Tropical Plants" at the Mediterranean University of Reggio Calabria entitled:

- 1) "Agrometeorological modeling in Calabria" - Thesis of Loredana Pasqualoni 2008/2009 (cycle XXII)
- 2) Bio-ecology of *Capnodis tenebrionis* in Mediterranean environment. Thesis of Basilio Mazzitelli 2009/2010 (cycle XXIII)
- 3) Ecological responses of *Trialeurodes vaporariorum* (Westwood) and of the natural enemy *Coenosia attenuata* Stein to the abiotic and biotic factors in the greenhouse environment. Thesis of Barreca Francesco Cycle XXIV.

Member of the PhD program in Sciences, Technologies and Biotechnologies for Sustainability from 2013 to 2018

He has been elected member of the Joint Commission (Students-Teachers) of the PAU Department (2017-2020).

He has carried out assignments of commissioner for the final evaluation of the PhD in Life Sciences 28.02.2020 (UniCAI) XXXI-XXXII cycle.

He has held various positions as commissioner and committee chair in public competitions for the selection of scholarship holders and postdoctoral fellow, assignment of teaching contracts, research fellows, doctoral candidates.

Thesis evaluator for the AIPP-Phytopathological Days Award

Main collaboration:

International joint publications

Charlie Bellamy, Plant Pest Diagnostics Branch, California Department of Food & Agriculture, 3294 Meadowview Road, Sacramento, CA 95832-1448, U.S.A. -- Cbellamy@cdfa.ca.gov.

Kees van Achterberg, National Museum of Natural History of the Netherlands -

Cees.vanAchterberg@ncbnaturalis.nl

Therésa Melanie Jones, Department of Zoology, University of Melbourne - theresa@unimelb.edu.au

Petros Damos, Laboratory of Applied Zoology and Parasitology, Faculty of Agriculture, Aristotle University of Thessaloniki, GR-54124 Thessaloniki, Greece - damos@agro.auth.gr

Dimitrios N. Avtzis, Forest Research Institute (F.R.I.), Hellenic Agricultural Organisation "Demeter", 57006 Vassilika, Thessaloniki, Greece - dimitrios.avtzis@gmail.com

Information Exchange

Liekele Sijstermans, National Museum of Natural History of the Netherlands; - liekele@wxs.nl

Stephanie D. Stocks, Department of Entomology and Nematology P.O. Box 110620 University of Florida Gainesville, FL 32611-0620; sstocks@ufl.edu

Zvi Mendel, The Agricultural Research Organization (ARO) Volcani Center . zmendel@volcani.agri.gov.il

Research Fields and Scientific Activity

Entomology

He focuses his researches on IPM and applied entomology. In particular on *Capnodis tenebrionis* populations and its enemies with reference to its adaptation in Mediterranean environment. He has investigated on the environmental and biological factors that

influence the flight and the diffusion in field of the Buprestidae For this species has developed for previsional model for the flight and a phenological model for adult presence. For the natural enemies of the *Capnodis tenebrionis* a new natural enemy, *Spathius erythrocephalus* Wesmael (Hymenoptera: Braconidae). He has in phase advanced some investigations on the behavioral ecology *Trialeurodes vaporariorum* (Westwood), Bemisia tabaci and effect of thermal level on its spreading. He has investigated the mechanisms of regulation and control of whitefly with reference to the dipteran predatory *Coenosia attenuata* Stein.. He studied the biological control with using microbiological agents and predators with debugging of strategies of low intervention environmental impact through the use of microbiological agents, botanical pesticides, predatory and products to control pest of horticultural crops.

He focuses his researches on Pine Processionary Moth, *Traumatocampa pityocampa* (Denis & Schiffermüller) (Lepidoptera Traumatopoeidae). In particular, the research activities regarded the influence of abiotic factors on herbivore population and its enemies. Flight and the distribution of the PPM have been investigated and report to varying climatic areas with the purpose to interpret its potential of spreading.

He has identified and reported the presence of new pests to some crops. In Italy he has described and reported for the first time the moth Crambidae, *Duponchelia fovealis* (Zeller) on strawberry, and the beetle Bostrichidae *Apate monachus* (Fabricius) on pomegranate and carob trees.

In the last year he focuses his researches on thermal effects on interaction Asian Chestnut Gall Wasp (*Dryocosmus kuryphilus*) and its-parasitoids.

Zoology

Bonsignore Carmelo P. has studied, in different moments, the relationships between molluscs, birds and rodents with the horticulture crops. Of particular interest are the studies that concern the relationships between the rodents (rats, mice and voles) and the greenhouse and fruit plants.

Editorial and Reviewing Activity

2021-present. Editorial Board member: Horticulturae – Section Insect Pest Management

2011-2012. Editorial Board member: Journal of Biopesticides

2013 – present. Associate Editor of international journal: Journal of Biopesticides:
<http://www.jbiopest.com/users/LW8/page.php?intPageId=61>
Journal of Biopesticides (scimagojr.com)

2014 – present. Editorial Board members until now in African Journal of Biotechnology

<http://www.academicjournals.org/journal/AJB/editors>

2020 – present. Reviewer Board of Insects

https://www.mdpi.com/journal/insects/submission_reviewers

Frontiers member since:08 Mar 2016,

Guest Associate Editor of issue “Insights into the Physiology and Epidemiology of Arthropod-Vector Borne Diseases” Invertebrate Physiology – Frontiers in Physiology. [My Frontiers | Overview \(frontiersin.org\)](#)

Topic Editor of issue “Economic Pest Thrips: Biology, Ecology, and Population Genetics” Insects [Insects | Special Issue : Economic Pest Thrips: Biology, Ecology, and Population Genetics \(mdpi.com\)](#)

He has collaborated with journals as reviewer:

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Journals:

Journal of Pest Science (3); Molecules (2); Agriculture and Forest Entomology (5) Agronomy for Sustainable Development (2); Chemosphere (1) Plos one (7); Bulletin of Entomological Research (4); Insect Conservation and Diversity (1); Frontiers (3); Entomologia Experimentalis et Applicata (1) Pest Management Science (2); European Journal of Entomology (1); Insect Science (1) Bulletin of Insectology (3); Journal of Economic Entomology (1) Forest@ (1); Scandinavian Journal of Forest (1) Applied Sciences (3) Jordan Journal of Agricultural Sciences (3), The Israel Journal of Plant Science (1); African Journal of Agricultural Research (3); Journal of Life Sciences (1); Journal of Biopesticides (5); Biopesticides International (1); Journal of Plant Protection Research (1); Journal of Entomology and Nematology (3); Physiological and Molecular Plant Pathology.(2); Journal of Asia-Pacific Entomology (1);Agricultural and Forest Entomology (4); Acta Zoologica Bulgarica (1)

Proposal of Book or chapter for book

(1) book for Springer ““Biopesticides: Basic to Applied” May 2013

(2) book for Springer “Studies in Natural Product Chemistry” August 2015

Reviewing Activity of Project and Research

Science Sectors:

ERC: "Behavioural ecology and evolution (LS8_9), Biodiversity, conservation biology, conservation genetics (LS8_2), Evolutionary ecology (LS8_4), Environmental biotechnology (including bioindicators, bioremediation, biodegradation) (LS9_7), Applied plant sciences (including crop production, plant breeding, agroecology, forestry, soil biology) (LS9_4)

2004-2010 (VQR) Quality in Scientific Research;

2011-2014 (VQR) Quality in Scientific Research;

2015-2016 SIR Ministry of University and Scientific Research.

2015 PRIN – Rapporteur

2016 PRIN Ministry of University and Scientific Research

2013 FIRB project (Projects of Basic Research Proposed by Young Researchers),

2012/2013/2014/2015-2016 - SIR and PRIN projects made by Ministry of University and Scientific Research.

2018-2019 - Progetti competitivi per Ricercatori a Tempo Determinato (RTD) dell'Università di Firenze;

2018-2019 - Progetti competitivi per Ricercatori a Tempo Determinato (RTD) dell'Università di Udine;

2018-2019 - Progetti competitivi per Ricercatori a Tempo Determinato (RTD) dell'Università di Torino;

2014 FIR - University research projects evaluator of projects University of Catania N. 9C28E2 - "L'inerbimento con trifoglio sotterraneo nella gestione sostenibile di un agroecosistema mediterraneo", "Cover cropping with subterranean clover in the sustainable management of a Mediterranean agro-ecosystem"

2018 LS9_4 projects. ERC: LS9_4 Group: PRID2018-DI4A011.zip Università di Udine

2017 Assegni di Ricerca - Università del Piemonte Orientale

2020 - Assegni di Ricerca Università di Udine

2020 - Valutazione Assegni di Ricerca 2020 - Università di Udine; Department of Agricultural, Food, Environmental and Animal Sciences (Di4A) of University of Udine PRID2020-DI4A

2020;

2020 Progetto di ricerca Regione Sardegna "Interventi di sostegno alla ricerca" - Regione Autonoma della Sardegna;

Research Project Experience

- Scientific responsible of n° 8 (2005-2010) projects MURST ex quota 60%.

- Component of Unit B - PRIN year 2010-2011; Insects and globalization: sustainable control of exotic species in agro-forestry ecosystems" (GEISCA).

- Scientific responsible 2013: Progetto di ricerca da titolo: Attività di studio e di ricerca sulla microfauna entomologica finalizzata alla salvaguardia e al miglioramento dei sistemi naturali. N° Convenzione Parco Nazionale dell'Aspromonte - Dipartimento PAU; Euro 15000,00

- Scientific responsible 2013: Progetti di "Indagine conoscitiva e monitoraggio sulla presenza di entomofauna inserita nell'allegato IV della Direttiva 92/43/CEE "Habitat" - Specie animali e vegetali di interesse comunitario che richiedono una protezione rigorosa" e sulla comunità degli artropodi nel Pantano di Montalto della Foresta demaniale dell'Alto Aspromonte (RC), (BANDO N° 12/2014).

Convenzione Corpo Forestale dello Stato- Dipartimento PAU con il Laboratorio di Entomologia ed Ecologia Applicata. Euro 7000,00.

- Scientific responsible 2014-2015: Progetto "Il Cinipide del Castagno (*Dryocosmus kuriphilus* Yasumatsu) in Calabria: studio dell'adattamento ai nuovi ambienti e risposta ecologica alla nuova componente biotica" ai fini dell'adempimento del progetto relativo al contributo sulla ricerca Decreto n° 6040 del 16 Maggio 2014. Servizio Fitosanitario Regionale (Regione Calabria) - Dipartimento PAU con il Laboratorio di Entomologia ed Ecologia Applicata. Euro 10.000,00

- Scientific responsible March-September 2016: Attività di studio e di ricerca sul controllo della processionaria del pino nel comune di Canolo. Euro 1900,00.

- Scientific responsible December- June (2016-2017): Il Cinipide Del Castagno (*Dryocosmus Kuriphilus* Yasumatsu) nel Parco Nazionale D'aspromonte: Studio dell'adattamento ai nuovi ambienti e risposta ecologica dei nemici nativi naturali

English title "The cynipid gall wasp (*Dryocosmus kuriphilus* Yasumatsu) in the National Park of Aspromonte: Study on adaptation to new environments and ecological response of native natural enemies

Bibliographic Production

[BONSIGNORE, CARMELO PETER \(unirc.it\)](http://unirc.it)

Articles and book chapters accepted for Publication or in press

International book chapters

1. Vacante V. Bonsignore C. P., 2011. Implementation of IPM in Citriculture in Integrated control of Citrus pest in Mediterranean Region, Vacante V. and Gerson U. (eds). Bentham Science. 3:28-55 pp. eISBN: 978-1-60805-294-3

2. Bonsignore C. P., Vacante V., 2011. Natural Enemies in Integrated control of Citrus pest in Mediterranean Region, Vacante V. and Gerson U. (eds). Bentham Science. 5:66-87 eISBN: 978-1-60805-294-3.
3. Vacante V., Bonsignore C.P., 2017. Natural Enemies and Pest Control in: Handbook of Pest Management in Organic Farming, Vacante V. and Kreiter S. (eds). CABI Publishing, Wallingford, United Kingdom. ISBN10 178064499X; ISBN13: 9781780644998 PP: 576
4. Bonsignore C.P., Vacante V., 2017. Pest Management in Organic Vegetable Greenhouses Handbook of Pest Management in Organic Farming. Vacante V. and Kreiter S. (eds). CABI Publishing, Wallingford, United Kingdom. ISBN10 178064499X; ISBN13: 9781780644998 PP: 576

English Articles Published in Scientific Journals

1. Bonsignore C. P., C. Bellamy. 2007. Daily activity and flight behaviour of adults of *Capnodis tenebrionis* (Coleoptera: Buprestidae). *European Journal of Entomology* 104: 425–431.
2. Bonsignore C. P., Manti F. and V. Vacante 2008. Field and tree distribution of *Capnodis tenebrionis* (Linnaeus, 1767) (Col., Buprestidae) adults in an apricot orchard in Italy. *J. Appl. Entomol.* 132: 216–224. doi: 10.1111/j.1439-0418.2007.01235.x
3. Bonsignore, C.P., C. van Achterberg & V. Vacante 2008. First record of Braconidae as parasitoids of *Capnodis tenebrionis* (Linnaeus) (Coleoptera: Buprestidae), with notes on the ecology of *Spathius erythrocephalus* Wesmael (Hymenoptera: Braconidae). *Zool. Med. Leiden* 82 (44), 31.xii.2008: 489-498, figs 1-13.— ISSN 0024-0672. <http://www.repository.naturalis.nl/record/292111>
4. Bonsignore C. P.; Manti F.; Castiglione, E. Vacante V.. 2011 A study on the emergence sequence of pupal parasitoids of the pine processionary moth, *Thaumetopoea pityocampa*. *Biocontrol Science and Technology.* 21, (5): 587-591. (<http://dx.doi.org/10.1080/09583157.2011.566322>)
5. Bonsignore C. P. Vacante V., 2012. Influences of botanical pesticides and biological agents on *Orius laevigatus* – *Frankliniella occidentalis* dynamics under greenhouse conditions. *Journal of Plant Protection Research* 52 (1) 15-23.
6. Bonsignore C. P. 2012. Effects of environmental temperature on *Capnodis tenebrionis* adult phenology. *Psyche, A Journal of Entomology* (2012): 1-8 (doi: 10.1155/2012/586491).
7. Bonsignore C.P. 2012. *Apate monachus* (Fabricius, 1775), a bostrychid pest of the pomegranate and carob tree in nursery. *Plant Protection Science.* 2 (48): 94-97.
8. Bonsignore C.P., Manti F. 2013. Influence of habitat and climate on the flight of male pine processionary moths. *Bulletin of Insectology* 66 (1): 27-34. ISSN 1721-8861
9. Bonsignore C.P., Jones T.M..2013. Aggregation and mating success of *Capnodis tenebrionis* (Coleoptera: Buprestidae). *Insect Science* DOI: 10.1111/1744-7917.12035.
10. Bonsignore C.P. 2014. Effect of environmental factors on the flight activity of *Trialeurodes vaporariorum* (Westwood) under greenhouse conditions. *Entomological Science.* DOI: 10.1111/ens.12097
11. Damos, P., Bonsignore, C.P. Gardi F. Avtzis D. 2014. Phenological responses and a comparative phylogenetic insight of *Anarsia lineatella* and *Grapholita molesta* between distinct geographical regions within the Mediterranean basin. *Journal of Applied Entomology.* DOI: 10.1111/jen.12124
12. Lupi D., Bernardo U., Bonsignore C.P., Colombo M., Dindo M.L., Faccoli M., Ferracini C., Gualtieri L., Marullo R., Mazzon L., Siscaro G., Suma P., Tavella L., Maini S., 2014. Insects and globalization: sustainable control of exotic species in Italian agroforestry ecosystems. In: Holland J; gerowitt B., Bianchi F., Kedziora A., Lupi D., van Helden M., Moonen C, van Rijn P. eds: Landscape management for functional biodiversity IOBC/WPRS bulletin (100): 87-90. IOBC/WPRS Working Group "Landscape management for functional biodiversity" Meeting May 21-23, 2014, Poznan, (PL); ISBN: 978-92-9067-280-7.7
13. Bonsignore C.P. 2015. Environmental factors affecting the behavior of *Coenosia attenuata* Stein, a predator of *Trialeurodes vaporariorum* (Westwood) in tomato greenhouses. *Entomologia Experimentalis et Applicata* 158:87–96, 2016
14. Bonsignore C.P., Manti F.; Castiglione (2015). Interactions between pupae of the pine processionary moth (*Thaumetopoea pityocampa*) and parasitoids in a Pinus forest. *Bulletin of Entomological Research.* 105(5): 621-628.
15. Vacante, V., **Bonsignore C.P.**, (2016) Interactions between the citrus bud mite *Aceria sheldoni* (Acari: Eriophyidae) and the lemon host tree in a Mediterranean area. *Acarologia*: 56(2): 167–174 (2016) DOI: 10.1051/acarologia/20162235
16. Damos, P., **Bonsignore**, C.P. Botton M, Avtzis D. 2014. Intraspecific divergence between *Grapholita molesta* (Tortricidae, Lepidoptera) populations from Italy and Greece in relation to temperature. 06-09 October 2014: IOBC-WPRS Working Group "Integrated Plant Protection in Fruit Crops", Sub Groups "Pome fruit arthropods" and "Stone fruits", AGES, Vienna, Austria. Vol. 112: 25-29, 2016.
17. Ferracini, C., Bertolino, S., Bernardo, U., Bonsignore, C.P., Faccoli, M., Ferrari, E., Lupi, D., Maini, S., Mazzon, L., Nugnes, F., Rocco, A., Santi, F., Tavella, L., (2018) Do *Torymus sinensis* (Hymenoptera: Torymidae) and agroforestry system affect native parasitoids associated with the Asian chestnut gall wasp?, *Biological Control* (2018), doi: <https://doi.org/10.1016/j.biocontrol.2018.01.009>
18. Nugnes F., Gualtieri L., Bonsignore C.P., Parillo R., Annarumma R., Griffo R., Bernardo U. (2018) Resistance of a local ecotype of *Castanea sativa* to *Dryocosmus kuriphilus* (Hymenoptera: Cynipidae) in Southern Italy. *Forests* 9, 94
19. Bonsignore C.P. *, Bernardo U. (2018) Effects of environmental parameters on the chestnut gall wasp and its complex of indigenous parasitoids. *The Science of Nature* 10.1007/s00114-018-1545-1, 105(3-4):20
20. Bonsignore C.P. Vono G., Bernardo U. (2019) Environmental thermal levels affect the phenological relationships between the chestnut gall wasp and its parasitoids. *Physiological Entomology* 44(2):87-98. DOI: 10.1111/phen.12280
21. Salman MHR, Bonsignore CP, El Alaoui El Fels A, Giomi F, Hodar JA, Laparie M, Marini L, Merel C, Zalucki MP, Zamoum M, Battisti A. 2019. Winter temperature predicts prolonged diapause in pine processionary moths species across their geographic range. *PeerJ*:e6530 Doi: 10.7717/peerj.6530.
22. Bonsignore, C. P.; Manti, F.; Castiglione, E.; Battisti, A. (2019). Pupal traits and adult emergence in the pine processionary moth *Thaumetopoea pityocampa* (Lepidoptera: Notodontidae) are affected by pupal density. *European Journal of Entomology.* 16: 320-329. DOI:14411/eje.2019.035.
23. Castiglione, E.; Manti, F.; Bonsignore, C. P. (2020). First record from Calabria (southern Italy) of the "bronze bug" *Thaumastocoris peregrinus* Carpintero & Dellapé, 2006, alien Eucalyptus pest native to Australia (Hemiptera: Heteroptera: Thaumastocoridae). *Journal of Entomological and Acarological Research - vol. 52:8879: 15.* DOI:10.4081/year.2020.8879.

24. Foti V, Araniti F, Manti F, Alicandri E., Giuffrè AM., Bonsignore C.P., Castiglione E., Sorgonà A., Covino S., Paolacci A.R., Ciaffi M. Badiani, M. (2020) Profiling Volatile Terpenoids from Calabrian Pine Stands Infested by the Pine Processionary Moth. *Plants* 2020, 9, 1362; doi:10.3390/plants9101362.
25. Bonsignore C.P., Vizzari G., Vono G, Bernardo U. (2020) Short-term cold stress affects parasitism on Asian chestnut gall wasp. *Insects* 11(12), 841; <https://doi.org/10.3390/insects11120841>.
26. Vono G., Bonsignore C.P., Marullo R.(2020) Olive Production Threatened by a Resurgent Pest *Liothrips oleae* (Costa, 1857) (Thysanoptera: Phlaeothripidae) in Southern Italy. *Insects*, 11, 887; doi:10.3390/insects11120887.
27. Bonsignore C.P. La Face V.L.A., Vono G. Musarella C.M., Spampinato G.(2021).Threats posed to rediscovered and rare *Salvia ceratophylloides* Ard. (Lamiaceae) by borer and seed feeders insect species. *Diversity*, 13 (1), 33;<https://doi.org/10.3390/d13010033>
28. Marullo R. Bonsignore C.P., Vono G. (2021) Sampling Methods according to Thrips (Insecta, Thysanoptera) habitats *Bulletin of Insectology (Accepted)*;

Italian Articles Published in Scientific Journals

1. Vacante V., Benuzzi M., Palmeri V., Gilioli G., Bonsignore C. e G. Brafa, 2001. Impiego sperimentale di *Beauveria bassiana* e di *Raphanus sativus* nella lotta agli Elateridi nocivi alla carota nel ragusano. *Notiziario sulla Protezione delle Piante*, 181-185. ISSN: 0390-0444
2. Vacante V., Gilioli G., Benuzzi M. e C. Bonsignore, 2003. Bacche mature, tentazione per gli uccelli. *Culture protette*, 11: 41-44. ISSN: 0390-0444
3. Vacante V., Gilioli G., Benuzzi M. e C. Bonsignore, 2003. Colture mediterranee in balia di ratti e conigli selvatici. *Culture protette*, 10: 49-53.
4. Vacante V., Bonsignore C. e S. Cornicello, 2006. Efficacia di metoxyfenozide contro la tignoletta della vite. *L'Informatore Agrario*, supplemento al n. 1, 40-42.
5. Vincenzo Vacante , C. Bonsignore, Federico S. 2008. Indagini sul ruolo ecologico di *Aceria sheldoni* su limone. *Italia Hortus*.
6. Vacante V., Bonsignore C.P. 2009. L'acaro della ruggine degli agrumi (*Aculops pelekassi* (Keifer)). *Protezione delle Colture*, ed. spec. "Incontri fitoiatrici". 2:47-50, 86-87.
7. Vacante V., Bonsignore C.P. 2009. Problemi emergenti provocati da insetti e acari dell'Italia Meridionale. *Protezione delle Colture*, ed. spec. "Incontri di Alasio". 4:25-31.
8. Bonsignore C.P., Vacante V., 2009. Il problema di *Capnodis tenebrionis* (Linnaeus) nei fruttiferi. *Protezione delle Colture* 5:18-25.
9. Vacante V., Bonsignore C. P. 2010. L'acaro delle gemme degli agrumi o delle meraviglie- *Aceria sheldoni* (Ewing). *Protezione delle Colture* 1:15-21.
10. Bonsignore C.P., Vacante V., 2010. *Duponchelia fovealis* (Zeller). Una nuova emergenza per la fragola? *Protezione delle Colture* 3:40-43.
11. Vacante V., Bonsignore C. P. 2010. L'acaro della ruggine degli agrumi (*Aculops pelekassi* (Keifer)). *Protezione delle Colture* 3:8-14.
12. Vacante V., Bonsignore C. P. 2010. Il ragnetto rosso (*Tetranychus urticae* Kock) in agrumicoltura. *Protezione delle Colture* 5:18-26.
13. Bonsignore C. P., Manti F. 2011. I GIS e lo studio dei parassiti animali. Applicazioni nel contesto agricolo e forestale. *Protezione delle Colture* 5:18-26.
14. Scalise, A.; Scalzi, T.; Vizzari, G.; Bonsignore C, P (2020). Effetti del germoplasma di castagno sull' adattamento di *Torymus sinensis* al cinipide galligeno del castagno. In *Atti del VII Convegno Nazionale sul Castagno Acta Italus Hortus* 25: pp.238-241.- ISBN:978-88-905628-3-9.

Italian Published Book Chapters

1. Bonsignore C. P. e V. Vacante, 2009. Nematodi, Molluschi e Mammiferi fitofagi degli agrumi. *Citrus* in *Trattato di Agrumicoltura*, Vacante V. e F. Calabrese (editors), Il sole 24 Ore Editoria specializzata, Bologna 343-353 pp. ISBN: 978-88-506-5272-3
2. Bonsignore C.P. , Taverna Domenica 2009. Sistema Agricolo in "La realizzazione di una rete di ecovillaggi per il territorio montano calabrese" Un caso studio: La comunità montana dei monti Tiriolo, Reventino e Mancuso. *Samperi Editore*. 21-29 pp. ISBN 978-88-8638-57-7
3. Bonsignore C. P., Manti F., Castiglione E., Vacante V. 2009. Il parco urbano della collina di Pentimela: da risorsa a rifiuto in "I paesaggi del no", Un progetto per lo stretto. *Iiriti Editore*. 89-93 pp. ISBN: 978-88-89955-91-8
4. Manti F., Bonsignore C. P., Vacante V. 2010. La pianificazione del territorio e la tutela della biodiversità. Il ruolo degli spazi rurali dei parchi antropici. In *Parchi Antropici* a cura di Michelangelo Pugliese. *Libria Editore*. 89-93 pp. ISBN: 978-88-96067-49-9.
5. Bianco A., Bonsignore C. P. 2011. Diagnostica e monitoraggio per il degrado del legno, in *Insetti e Opere Lignee, d'Arte e d'Architettura* a cura di Simonetta Valtieri e Vincenzo Vacante. *GB Editoria* 87-98 pp. ISBN: 978-88-95064-48-2

International congress

6. Furlan L., Di Bernardo A., Ferrari R., Boriani L., Maini S., Nobili P., Bourlot G., Turchi A., Vacante V., Bonsignore C., Gilioli G. e M. Tóth, 2001. First practical results of click beetle trapping with feromone traps in Italy. In: *Proc. XXI IWGO Conference, VIII Diabrotica Subgroup Meeting*, (Ed. Furlan L.), 27 ottobre-3 novembre 2001, Legnaro, Padova, 277-282.
7. Bonsignore C. P., Vincenzo Vacante. 2007. First record of *Spathius erythrocephalus* Wesmael (Hymenoptera: Braconidae) on *Capnodis tenebrionis* (Linnaeus) (Coleoptera: Buprestidae) larvae and notes on ecology. *X European Workshop on Insect Parasitoids*. *Erice Sicily -Italy - 17-21 September 2007*; 106.
8. Bonsignore C.P., Manti F., Vacante V. 2008. Notes on *Capnodis tenebrionis* (L.) bioecology in Mediterranean area. *AFPP - 8th International Conference On Pests In Agriculture*. Montpellier - 22 and 23 October 2008. 259-265. ISBN:2-905550-17-1. Record Number: 20093081715. Publication type: Book chapter; Conference paper, Publisher Association Française de Protection des Plantes (AFPP).
9. Bonsignore C.P., Manti F., Vacante V. 2008. Spatio-temporal distribution of harmful insect in fruit-growing. *AFPP - 8th International Conference On Pests In Agriculture*, Montpellier - 22 and 23 October 2008. 249-258 ISBN:2-905550-17-1.

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Ph.D. Thesis: 3 (concluded),

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