

Curriculum vitae **Maurilia Maria Monti**

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Education

	Date	08/05/2014
	Title of qualification awarded	phD in Environmental Resource Science (XXV cycle)
Organisation providing education and training		University of Naples "Federico II", C.so Umberto I, 40 - Naples
	PhD thesis title	Effects of Pentachlorophenol on <i>Drosophila melanogaster</i> transcriptome
	Date	08/03/1991
	Title of qualification awarded	Laurea cum laude
Organisation providing education and training		Agricultural Sciences - University of Naples "Federico II", C.so Umberto I, 40 - Naples
	Thesis title	Evaluation of different <i>Agrobacterium tumefaciens</i> strains in genetic transformation of <i>Lilium</i> spp. and <i>Petunia hybrida</i>

Professional training

Webinar "**Corso di aggiornamento per RUP sull'affidamento dei contratti pubblici di formazione**" 24 ore, febbraio-aprile 2022
Organizzatore: Unità Formazione e Welfare - Responsabile della Prevenzione della Corruzione e della Trasparenza - Ufficio Servizi Generali. Docente Avv. B. Braggio

Webinar "**Rapporto fra accesso civico "generalizzato" e accesso documentale**", 21-07-2020 (4344785.4344821)
Organizzatore: Unità Formazione e Welfare - Responsabile della Prevenzione della Corruzione e della Trasparenza - Ufficio Servizi Generali
Docente: Michele Solla

Webinar "**Attività di supporto tecnico/amministrativo nelle procedure di acquisto di beni e servizi di importo superiore alle soglie di rilevanza comunitaria**", 26-06-2020 (4206986.4325640)
Organizzatore: Cabina di Regia PON CNR - Ufficio Servizi Generali - Unità Formazione e Welfare

Webinar "**Epidemiologia e modalità di trasmissione del virus SARS-COV-2. Misure per il contrasto e la prevenzione nel CNR**" 11-06-2020 (4099223.4099230) Organizzatore: Unità Formazione e Welfare - Unità Prevenzione e Protezione

Laboratorio sulla "**Scrittura di una proposta di successo nel programma Horizon 2020**" (3242262.3242269). 11-06-2019 - Aula Aula Marconi Roma, P.le Aldo Moro 7. Organizzatore: Ufficio Formazione - Ufficio Relazioni Europee e Internazionali - APRE. Docente: Bruno Mourenza

Corso di Formazione per “**Addetto Antincendio**” Ministero dell’Interno – Dipartimento dei Vigili del Fuoco del Soccorso Pubblico e della Difesa Civile –Corpo Nazionale dei Vigili Del Fuoco – Comando Provinciale di Napoli, 19 e 21 aprile 2016

“**Business organisation and management**” (PRAXI Formazione e Sviluppo S.p.A.-Napoli), December 1993

Scientific training

“**PTR-Qi-TOF basic course**” (3S Lab), 10-14 April, 2017

“**RNAseq Analysis**” (Sequentia Biotech), 26-28 March 2015

“**Biological data analysis**” (Technical University of Denmark), 14-15 April 2005

“**DNA Amplification Techniques**” (Training centre for Medical Biotechnology-Etten Leur- Olanda), 24-27 May 1993

14/11/13 to 11/12/13 Dpto de Ciencias Quimicas y Recursos Naturales, Universidad de La Frontera, Temuco (Chile), to set up HPLC and GC-MS experiments to detect PCP and its metabolites (Prof Andres Quiroz Cortez)

12/09/05 to 23/09/05 at the Bavarian State Collection of Zoology of Munich (Germany), for phylogenetic analyses of molecular and morphological data on Aphelinids (Dr. S. Schmidt)

March to April 1992 at the laboratories of Dipartimento di Biologia Animale e Genetica, Università di Firenze (prof. M. Buiatti)

Work experience

	Dates	12/11/2001 - ongoing
	Position held	Researcher
Name and address of employer	National Council of Research- Sustainable Plant Protection Institute (IPSP), formerly IPP, P.le E. Fermi, 1- 80055 Portici (NA)	
	Dates	13/06/1991 to 07/10/1996, and 08/10/1997 to 07/09/2001
	Position held	Researcher
Name and address of employer	TECNOGEN S.c.p.A, loc. Fagianeria, 81013 Piana Di Monte Verna (Caserta)	
	Dates	October 1996 to April 1997
	Position held	CNR grant as researcher (call 203.06.51 del 17/11/1995)
Name and address of employer	School of Molecular Biosciences, Washington State University, Pullman, WA 99163-4234, USA	
	Dates	May 1997- October 1997
	Position held	Stage
Name and address of employer	School of Molecular Biosciences, Washington State University, Pullman, WA 99163-4234, USA	

Supervision and teaching activities

2022-2025 Cotutoring activity of student of PhD course in Biotechnology (XXXVIII cycle) at University of Naples, PhD title "Identification and assessment of alternative pathways for bioremediation of aromatic polyhalogenated compounds polluted matrices" (Student M. Castaldo, Tutor Prof. D.M. Monti). Industry co-financed (L.A.V. s.r.l.)

2022-2025 Cotutoring activity of student of PhD course in Biotechnology (XXXVIII cycle) at University of Naples, PhD title "Analysis of plant Mother Tinctures: towards the characterization of new bioactive compounds in herbal extracts". (Student G. Schiavone, Tutor Prof. D.M. Monti). Industry co-financed (Cemon srl)

2020/2021: Cotutoring activity of undergraduate student of MS course "Gestione e Valorizzazione delle Risorse Agrarie e delle Aree Protette" DIFARMA-Università degli studi di Salerno. MS thesis "Analisi morfo-molecolare e controllo di altiche su rucola nella piana del sele" (Student R. Cavaliere, Tutor Prof. P.A. Pedata)

2017 to 2022: Exam committee member for "Plant Entomology" class in the course of Management And Development Of Agricultural Resources And Protected Areas at the Pharmacy department of University of Salerno

2018-2021 Cotutoring activity of student of PhD course in Biotechnology, Biosciences and surgical technologies, at University of Insubria (XXXIV cycle) (VA)- Italy. PhD Thesis "Exploring the priming effects of vocs emitted by common bean under biotic stress conditions on total proteome of non-stressed conspecific plants" (Student I. Mancini, Tutor Prof. M. Bracale)

2010/2011, 2011/2012, 2012/2013 Practical molecular biology lessons in the "Biotechnologies for a sustainable defense of agricultural plants" class, MS course in Agrobiotechnology in the Faculty of Biotechnological Science at the University of Naples "Federico II"

2009/2010 Cotutoring activity of undergraduate students of MS course in Agrobiotechnology in the Faculty of Biotechnological Science at the University of Naples "Federico II". MS Thesis "Applicazioni delle biotecnologie nella difesa delle colture: caratterizzazione molecolare di *Aspergillus* spp." (Student G. Manganiello, Tutor Prof. A. Testa)

17/12/2005 Course of "Molecular markers in biological control" at the BIOPLANET biological control S.c.a.- Cesena (FC)

Scientific responsibility and tutoring

from 10/02/ 2022 to 10/02/2023 **Scientific Responsible** of 1 Professionalizing Grant for carrying out research activities relating to the Scientific Area "BIO/04 Plant Physiology" within the research program PRIN 2017 - PROSPECT (Plant multitrophic interactions for bioinspired Strategies of PEst ConTrol) (conferred to R. Bossa)

from 01/2022 to 01/2023 Scientific Responsible of 1 Post Doctoral grant, for carrying out research activities related to Scientific Area "07/scienze Agrarie e Veterinarie – SSD AGR/12 Patologia vegetale" within the project "Unità di coordinamento e potenziamento delle attività di sorveglianza, ricerca, sperimentazione, monitoraggio e formazione in campo fitosanitario-URCOFI)" (conferred to F. Palomba).

from 10/06/2021 to 31/12/2021 Scientific Responsible of 1 Post Doctoral grant, for carrying out research activities relating to the Scientific Area "07/scienze Agrarie e Veterinarie" within the research project "Tecniche di gestione e monitoraggio dei nocciuoli per l'ecosostenibilità della pratica agronomica - TESTIMONE" (conferred to F. Palomba)

from 15/09/11 to 14/03/12 Scientific Responsible of 1 fellowship to carry out research activities in the project PRIN 2008 n. 20085R8EZB_002 "Identification of species and intra-specific variants of sap-sucking and parasitoid insects with molecular markers" (conferred to dr. S. Lanzuise)

from 2015 ongoing: Scientific Responsible of VOCs group at IPSP-Portici

Research interests (Area of expertise)

Multitrophic interaction:	Identification of fungi and plants VOCs, through realtime analyses (PTR-MS)
Agricultural plants:	Transgenic plants, viruses detection, and molecular characterization
Parasitoid insects:	Molecular characterization of Hymenoptera Chalcidoidea to complement traditional taxonomy and phylogenetics, identification of molecular markers to identify parasitoid populations; biomolecular aspects of reproductive mechanisms, role of endosymbiotic bacteria in parthenogenetic reproduction of Hymenoptera parasitoids.
Bioremediation:	Identification of genes involved in PCP degradation, from fungal species and <i>D. melanogaster</i> , genome and transcriptome analysis

Membership of learned societies 2014 on : "Società Italiana di Genetica Agraria" (SIGA)

Role in national or international scientific events

XI European Congress of Entomology - Coordination. 2nd-6th July 2018 (Book of Abstract ISBN: 9788890926211)

“Biotechnologie e Biorisanamento”- Chair. 7 th december 2013

Short Course on Insect Molecular Taxonomy - Organization and teaching. 5th-6th june 2012. (European PhD network - Insect Science)

Collaborations

2019-2021: Guest editor for the Plants Special Issue "Plant-Microbe Interactions"

2017-2020: Cultore della materia (subject expert) in Entomology, in the MS course "Entomologia Agraria" (Prof. P.A. Pedata) (Corso di Laurea Magistrale in Gestione e valorizzazione delle Risorse agrarie e delle aree protette) Facoltà di Farmacia, Università degli Studi di Salerno- Dipartimento di Farmacia

2013 on: Laboratorio de Química Ecológica, Dpto de Ciencias Químicas y Recursos Naturales, Universidad de La Frontera, Temuco, Chile

2011 on: Department of Agricultural Sciences of University of Naples "Federico II"

Peer reviewer for journals as Biological Control, Insects, Life, and Plant Biology

Personal skills

Computer skills

Competent with most Microsoft Office programmes; statistical analysis (Statgraphics, PAST, SPSS) and graphic software (as Adobe Illustrator and PhotoShop)

Mother tongue Italian

Other language English

Driving licence B

Publications

Peer-reviewed journal articles

total number of publications: 23 h-index= 14

MONTI MM*, Mancini I, Gualtieri L, Domingo G*, Beccaccioli M, Bossa R, Bracale M, Loreto F, Ruocco M Volatilome and proteome responses to *Colletotrichum lindemuthianum* infection in a moderately resistant and a susceptible bean genotype (Accepted Physiologia Plantarum)

Russo A, Pollastri S, Ruocco M, MONTI MM, Loreto F (2022). Volatile organic compounds in the interaction between plants and beneficial microorganisms, Journal of Plant Interactions, 17:1, 840-852, doi: 10.1080/17429145.2022.2107243

Gualtieri L, MONTI MM*, Mele F, Russo A, Pedata PA, Ruocco M. (2022). VOCs profiles of different *Trichoderma* species and their potential application. Journal of Fungi. 2022; 8(10):989. <https://doi.org/10.3390/jof8100989>

Gutiérrez-Moreno K, Ruocco M, MONTI MM, Vega OM dl, Heil M. (2021). Context-Dependent Effects of Trichoderma Seed Inoculation on Anthracnose Disease and Seed Yield of Bean (*Phaseolus vulgaris*): Ambient Conditions Override Cultivar-Specific Differences. *Plants*, 10, 1739. <https://doi.org/10.3390/plants10081739>

MONTI MM*, Ruocco M, Grobbelaar E, Pedata PA. (2020). Morphological and Molecular Characterization of *Lema bilineata* (Germar), a New Alien Invasive Leaf Beetle for Europe, with Notes on the Related Species *Lema daturaphila* Kogan & Goeden. *Insects* 11, 295. <https://doi.org/10.3390/insects11050295>

Ruocco M, Baroncelli R, Cacciola SO, Pane C, MONTI MM, Firrao G, Vergara MR, Magnano di San Lio G, Vannacci G, Scala F. (2018). Polyketide synthases of *Diaporthe helianthi* and involvement of DhPKS1 in virulence on sunflower. *BMC Genomics* 2018: 19-27 doi: 10.1186/s12864-017-4405-z

Gebiola M., MONTI MM, Johnson, R. C., Woolley, J. B., Hunter, M. S., Giorgini, M, Pedata PA. (2017). A revision of the *Encarsia pergandiella* species complex (Hymenoptera: Aphelinidae) shows cryptic diversity in parasitoids of whitefly pests. *Systematic Entomology*, vol. 42: 31–59. doi:10.1111/syen.12187

MONTI MM, Nugnes F, Gualtieri L, Gebiola M, Bernardo U. (2016). No evidence of parthenogenesis-inducing bacteria involved in *Thripoctenus javae* thelytoky: an unusual finding in Chalcidoidea. *Entomol Exp Appl*, 160: 292-301 doi:10.1111/eea.12477

Puig-Montserrat X, Torre I, Lopez-Baucells A, Guerrieri E, MONTI MM, Rafols-Garcia R, Ferrer X, Gisbert D, Flaquer C (2015). Pest control service provided by bats in Mediterranean rice paddies: linking agroecosystems structure to ecological functions. *Mammalian Biology*, vol. 80; p. 237-245, ISSN: 1616-5047, doi: 10.1016/j.mambio.2015.03.008

Nugnes F, Gebiola M, MONTI MM, Gualtieri L, Giorgini M, Wang J, Bernardo U (2015). Genetic diversity of the invasive gall wasp *Leptocybe invasa* (Hymenoptera: Eulophidae) and of its *Rickettsia* endosymbiont, and associated sex-ratio differences. *PLOS ONE*, ISSN: 1932-6203, doi: 10.1371/journal.pone.0124660

Digilio MC, Sasso R, Di Leo MG, Iodice L, MONTI MM, Santeramo R, Arpaia S, Guerrieri E (2012). Interactions between Bt-expressing tomato and non-target insects: the aphid *Macrosiphum euphorbiae* and its natural enemies. *Journal of Plant Interaction* vol. 7; p. 71-77, ISSN: 1742-9145, doi: 10.1080/17429145.2011.632695

Gebiola M, Gómez-Zurita J, MONTI MM, Navone P, Bernardo U (2012). Integration of molecular, ecological, morphological and endosymbiont data for species delimitation within the *Pnigalio soemius* complex (Hymenoptera: Eulophidae). *Molecular Ecology*, vol. 21; p. 1190-1208, ISSN: 0962-1083, doi: 10.1111/j.1365-294X.2011.05428.x

Rugman-Jones PF, Forster LD, Guerrieri E, Luck RF, Morse JG, MONTI MM, Stouthamer R (2011). Taxon-specific multiplex-PCR for quick, easy, and accurate identification of encyrtid and aphelinid parasitoid species attacking soft scale insects in California citrus groves. *BIOCONTROL*, vol. 56; p. 265-275, ISSN: 1386-6141, doi: 10.1007/s10526-010-9328-4

Giorgini M, Bernardo U, MONTI MM, Nappo AG, Gebiola M (2010). *Rickettsia* Symbionts Cause Parthenogenetic Reproduction in the Parasitoid Wasp *Pnigalio soemius* (Hymenoptera: Eulophidae). *APPLIED AND ENVIRONMENTAL MICROBIOLOGY*, vol. 76; p. 2589-2599, ISSN: 0099-2240, doi: 10.1128/AEM.03154-09

Gebiola M, Bernardo U, MONTI MM, Navone P and Viggiani G (2009). *Pnigalio agraulus* (Walker) and *Pnigalio mediterraneus* Ferrière and Delucchi (Hymenoptera: Eulophidae): two closely related valid species. *JOURNAL OF NATURAL HISTORY*, vol. 43; p. 2465-2480, ISSN: 0022-2933, doi: 10.1080/00222930903105088

Giorgini M, MONTI MM, Caprio E, Stouthamer R, Hunter MS (2009). Feminization and the collapse of haplodiploidy in an asexual parasitoid wasp harboring the bacterial symbiont *Cardinium*. *HEREDITY*, vol. 102; p. 365-371, ISSN: 0018-067X, doi: 10.1038/hdy.2008.135

Bernardo U, MONTI MM, Nappo AG, Gebiola M, Russo A, Pedata PA, Viggiani G (2008). Species status of two populations of *Pnigalio soemius* (Hymenoptera, Eulophidae) reared from two different hosts: an integrative approach. *BIOLOGICAL CONTROL*, vol. 46; p. 293-303, ISSN: 1049-9644
<https://doi.org/10.1016/j.biocontrol.2008.05.009>

MONTI MM, Nappo AG, Giorgini M (2005). Molecular characterization of closely related species in the parasitic genus *Encarsia* (Hymenoptera: Aphelinidae) based on the mitochondrial cytochrome oxidase subunit I gene. *BULLETIN OF ENTOMOLOGICAL RESEARCH*, vol. 95; p. 401-408, ISSN: 0007-4853

Guyon V, Tang Wh, MONTI MM, Raiola A, Lorenzo Gd, McCormick S, Taylor Lp (2004). Antisense phenotypes reveal a role for SHY, a pollen-specific leucine-rich repeat protein, in pollen tube growth. *PLANT JOURNAL*, vol. 39 (4); p. 643-654, ISSN: 0960-7412

Chambery A, Di Maro A, MONTI MM, Stirpe F, Parente A (2004). Volkensin from *Adenia volkensii* Harms (kilyambiti plant) a type-2 ribosome-inactivating protein: gene cloning, expression and characterization of its A chain. EUROPEAN JOURNAL OF BIOCHEMISTRY, vol. 271; p. 108-117, ISSN: 0014-2956 <https://doi.org/10.1046/j.1432-1033.2003.03909.x>

Giorgini M, MONTI MM (2003). Molecular differentiation of closely related *Encarsia species* (Hymenoptera: Aphelinidae) based on mitochondrial COI gene. In: Journal of Insect Science 3:33. Tucson, Arizona, July 27-31 2003

MONTI MM, Valanzuolo S, Cassani G, Colombo M (1999). Transgenic tomatoes expressing a Cucumber Mosaic Virus satellite RNA: field test and analysis of satellite RNA spread. JOURNAL OF PLANT PATHOLOGY, vol. 81; p. 113-122, ISSN: 1125-4653 <http://dx.doi.org/10.4454/jpp.v81i2.1055>

Colombo M, MONTI MM, Valanzuolo S, Cassani G (1995). Induzione di resistenza al CMV in pomodoro 'San Marzano' mediata da RNA satellite. PETRIA, vol. 5; Suppl. 1; p. 68 ISSN 1120-7698

book chapters

Ruocco M, MONTI MM (2022). LE STRATEGIE DI DIFESA INTEGRATA: Ruolo del fitobioma nella patogenesi. In: Patologia vegetale molecolare. M. Reverberi, M. Ruocco, L. Covarelli, L. Sella. Piccin Nuova Libreria ISBN: 978-88-299-3141-5

Ruocco M., Gualtieri L., MONTI M.M. (2020). Biologia e applicazioni in agricoltura dei funghi appartenenti al genere *Trichoderma*. In: I microrganismi utili in agricoltura. V. M. Sellitto (Ed.) Edagricole-New Business Media, 2020 ISBN-978-88-506-5588-5

Testa A., Conti S., Formato A., Melchionna G., MONTI M. M., Pedata P. A. (2019) Laboratorio Valloni: idee per preservare la biodiversità. Pp. 39-43. In: I Valloni della Penisola Sorrentina. Un ambiente da scoprire e da recuperare. M. Guglielmo (Ed.). ISBN: 979-12-200-5164-4.

Valanzuolo S, MONTI MM, Colombo M, Cassani G (1999). Field release of transgenic virus tolerant tomatoes. In: Fertilization in Higher Plants - Molecular and Cytological Aspects. p. 405-412, M. Cresti, G. Cai, A. Moscatelli (eds), ISBN/ISSN: 3540648798

Projects with external fundings

2023-2025 PRIN 2022 PNRR **Principal Investigator** for the project RE-VOC (Looking for Plant VOC Receptors); (€ 299.862,00)

September 2022/2024 Member of the research unit IPSP Portici for the Joint bilateral agreement CNR/IDEA GTO (Stato di Guanajuato, Messico) " Fighting stressors with symbiotic microbes, protective volatiles and DNA-vaccines for regenerative agriculture" (€ 20.000)

2021/2022 **Scientific Responsible** for the project HOTSPOT (How do plants perceive volatiles?). Bando CNR-DISBA Prot. 0021005/2021 del 23/03/2021 per Accesso alle Infrastrutture di ricerca di plant phenotyping della JRU Phen-Italy. (€16.000)

2021 **Scientific Responsible** in the agreement between Dip. Agraria Università degli Studi di Napoli "Federico II" Portici (NA)- Prof. M. Ercolano and CNR-IPSP for PTR Qi-TOF-MS VOC analysis of tomato samples

2021/2022 Member of the research unit IPSP Portici for the project "Tecniche di geSTione e MONitoraggio dei Nocciolati per l'Ecosostenibilità della pratica agronomica -TESTIMONE" PSR CAMPANIA 2014 – 2020 - MISURA 19 –Sviluppo locale di tipo partecipativo – LEADER - Sottomisura 19.2 - Tipologia di intervento 19.2.1 "Strategia di Sviluppo Locale" - Misura 16.1 - Tipologia di intervento 16.1.1 "Sostegno per costituzione e funzionamento dei GO del PEI in materia di produttività e sostenibilità dell'agricoltura" - Azione 2 "Sostegno ai Progetti Operativi di Innovazione (POI)"

2020-2022 Member of the research unit IPSP Portici for the project "Unità di coordinamento e potenziamento delle attività di sorveglianza, ricerca, sperimentazione, monitoraggio e formazione in campo fitosanitario" URCoFi-V Regione Campania (€ 400.000)

2020 **Leader** of the IPSP Unit of the project MEETmeTONIGHT, H2020 research and Innovation Framework Programme-MSCA-NIGHT-2020

2019-2021 Member of the research unit IPSP Portici for the project "New Bacterial Pathogens and Endosymbionts of the Olive Fly, *Bactrocera oleae*, for the Development of Innovative Fruit Fly Biocontrol Strategies OLIVEFLYBACTERIA" -2020-MSCA-IF-2017/H2020-MSCA-IF-2017 Marie Curie, Call/Topic: Individual Fellowships

2020-2021 **Project leader** of the Joint bilateral agreement CNR - JSPS (Japan) "Adaptation mechanism of insect holobiont toward xenobiotics and its application to novel pentachlorophenol biodegradation systems" (€ 16.000)

01/11/2019 al 31/11/2022 Member of the research unit IPSP Portici for the project "Miglioramento della competitività delle aziende castanicole mediante applicazione di tecniche innovative di gestione del prodotto in pre-post raccolta - Migliorcast" PSR Campania 2014-2020, DRD n.339 del 29/12/2017 Intervento 16.1 Azione 2 (€ 328.472)

29/08/2019 al 28/02/2023 Member of the research unit IPSP Portici for the project " Plant Multitrophic Interactions for Bioinspired Strategies of Pest control" (PROSPECT). PRIN-DD n.1063 del 31-05-2019 - ALLEGATO A - LS9 progetto n. 2017JLN833. (€ 2.000.494)

2018-2021 Member of the research unit IPSP Portici for the project "Exploiting potato phenolics richness for plant protection, food fortification and human health enhancement " (ExPoPe) - Junior Principal Investigator Grants finanziato dalla Compagnia di San Paolo e l'Istituto Banco di Napoli – Università di Napoli Federico II (€ 96.000)

2020-2022 Member of the research unit IPSP Portici for the project “Compostaggio eco-sostenibile nei Castagneti italiani-COMPECOCAST” – PSR Campania, DD n. 67 del 16/04/2019 Intervento 16.1 Azione 2 (€ 157.701)

2017-2018 Italian team member in the Joint bilateral agreement CNR - CONACYT (Mexico) “Deciphering the role of volatile compounds in the resistance induction in common bean (*Phaseolus vulgaris*): from genomics to the field.” (€ 130.000)

2017 **Scientific Responsible** in the agreement between IPSP and BIOPLANET srl (Cesena -Italy) "Early detection of mites infection in parasitoid rearings"

2012-2019 Member of Research Unit IPSP Portici, Naples in the project "Unità di coordinamento e potenziamento delle attività di sorveglianza, ricerca, sperimentazione, monitoraggio e formazione in campo fitosanitario" URCoFi IV Regione Campania (€ 842.000)

2013-2016 Member of the research unit IPSP Portici, Naples in the project LINFA - Laboratorio pubblico-privato per la ricerca e l'Innovazione nella Filiera olivicola (€ 8.135.700)

2012-2016 Member of Research Unit IPSP Portici, Naples in the project “Integrating new practices in program of Biological Control against Agricultural pests” IPRABIO (FP7- People-2010- IRSES) (€181.900)

2011-2016 Member of Research Unit IPSP Portici, in the project "Conoscenze Integrate per Sostenibilità ed Innovazione del Made in Italy Agroalimentare" – CISIA (€ 7.500.000)

2011-2015 **Project leader** of “Identificazione di organismi e di geni e relativi enzimi da impiegare nel risanamento di ambienti acquatici e terrestri” for Progetti retrospettivi coerenti con la misura 3.5 del FEP Campania 2007 – 2013 (€ 196.251)

2010-2012 **Leader of the Research Unit IPP Portici**, Naples for “Identification of species and intra-specific variants of sap-sucking and parasitoid insects with molecular markers” PRIN 2008 (€ 45.714)

2008 Member of Italian Research Unit in the project "Bats as natural enemies of insect pests in rice fields", agreement between IPP and Museum de Granollers (Barcelona - Spagna) to achieve molecular identification of insects eaten by bats in rice fields

2006-2007 Member of Research Unit IPP Portici, Naples in the project "Development of novel bioinsecticides" PRIN 2006 (€ 106.600)

2004 -2006 Member of Research Unit IPP Portici, Naples in the project "Evaluation of transgenic tomato plants effects on non target organisms and environment" MIUR Ministry of Instruction, University and Research (€ 510.000)

Science Outreach

Festival della Scienza di Genova 2021-Mappe: **Responsible for IPSP activity** Non solo piante! (modulo ID581 – AgriFood21). Online October-5 November 2021

European Researchers' Night (ERN): **Responsible for IPSP activity** LA LOTTA BIOLOGICA: IL "GREEN DEAL" TRA UOMO E NATURA, Reggia di Portici, – PORTICI (NA) 24 Settember 2021

Futuro Remoto 2020 - Pianeta: Tra cambiamenti epocali e sfide globali. 20-29 Novembre 2020. **Organization and chair**

Fascination of Plants day 2019: **Responsible for IPSP activity:** Le piante e il mondo che le circonda: rendere visibile l'invisibile. Università degli studi di Salerno, Campus di Fisciano, 15 May 2019

FUTURO REMOTO: COSTRUIRE: **Organization** and participation. Napoli, 7-10 October 2016

Other experiences

9-25 January 2018 and 24 November-10 December 2018: Research visit to CINVESTAV – Unidad Irapuato Departamento de Ingeniería Genética, at Dr. Martin Heil laboratories (GTO, México)

Field collection of *Dryocosmus kuriphilus* parasitoids in China from 18/03 to 16/04 2012

Portici, 25-09-2023