

**FORMATO EUROPEO
PER IL CURRICULUM
VITAE**



Dichiarazione resa ai sensi degli artt. 46 e 47 DPR N. 445/2000

PERSONAL INFORMATION

Name	MARTINEZ SAÑUDO, Isabel
Address	Via G. Leopardi, 10, 35010, Cadoneghe (PD), Italia.
Telephone	3203809336
E-mail	isabel.martinez@unipd.it
Nationality	Spanish
Date of birth	15, JUNE, 1978
Maternity Leave	From July 2012 to February 2013
ORCID ID	HTTPS://ORCID.ORG/0000-0002-7483-1195
Google Scholar	HTTPS://SCHOLAR.GOOGLE.COM/CITATIONS?USER=CWTQVSSAAAAJ&HL=IT&OI=AO

EDUCATION AND TRAINING

- | | |
|--|--|
| • Date (from – to) | 01/2006 – 04/2009 |
| • Name and type of organisation providing education and training | University of Padua. School of Crop Protection. |
| • Principal subjects/occupational skills covered | Molecular systematics, population genetics and evolution of symbiont and insects.
Title: Phylogenetic studies of tephritid flies (Diptera, Tephritidae) and their symbiotic bacteria. |
| • Title of qualification awarded | Ph.D. 2009 |
| • Date (from – to) | 5.02.2019- 8.02.2019 |
| Name of organisation | BMR Genomics |
| • Principal subjects/occupational skills covered | Bioinformatics for 16S NGS. Interpreting NGS data files. Proficient in using the main software tools for 16S NGS analysis. |
| • Date (from – to) | 18.05.2018 |
| Name of organisation | BMR Genomics |
| • Principal subjects | Microbiome Analysis. Designing an experiment and resolve problems. Taxonomic and diversity indices analysis. |
| • Date (from – to) | 19.07.2005 – 22.07.2005 |
| Name of organisation | Veneto Agricoltura |
| • Principal subjects | Organic and sustainable agriculture. Advanced studies in crop production (45 hours) |
| Date (from – to) | 07/2004 |
| Name of organisation | Veneto Agricoltura |
| • Principal subjects | Biomonitoring: Indicators of Environmental Status” (35 hours) |
| Date (from – to) | 09/1996 – 03/2004 |
| • Name of organisation | University of Valencia. Spain. “Escuela Tecnica Superior de Ingenieros Agrónomos”. |
| • Title of qualification awarded | Master's degree in Agricultural Engineering |
| • Level | 7 QEQ |

• Date (from – to))
Name of organisation

03/2003 – 12/2003
University of Padua
Erasmus student

• Date (from – to)
• Name of organisation
• Title of qualification awarded

09/1992 – 06/1996
Colegio Sta. Teresa de Jesús. Torrent. Valencia – Spagna
High School Diploma, Science Track

TEACHING EXPERIENCE

• Date
• Name of organisation
• Type of Employment

Academic Years 2024–2025, 2023–2024; 2022–2023. Second Semester.
Food protection (Protezione degli Alimenti – Laurea Triennale in Scienze e Tecnologie Alimentari). University of Padova (4 CFU, 56 hours)
Course Coordinator. Lecturer

• Date
• Name of organisation
• Type of Employment

Academic Year 2024–2025; 2023–2024; 2022–2023. Second Semester.
Agricultural Entomology (Entomologia Agraria – Laurea in Scienze e Tecnologie Agrarie) University of Padova (4 CFU, 32 hours).
Lecturer

TEACHING SUPPORT ACTIVITIES

• Date
• Name and address of employer
• Occupation or position held

a.y. 2020–2021, 2021–2022, 2022–2023 and 2023–2024
University of Siena. Via Aldo Moro, 2 - Siena (San Miniato)
Teaching assistant in Biodiversity, Conservation and Environmental Quality.
2 hours each lesson

• Date
• Name and address of employer
• Occupation or position held

10.12.2020 and 17.12.2020 (a.y.2020–2021).
DAFNAE–Dep. Agronomy, Food, Natural resources, Animals and Environment
Viale dell’università 16, 35020, Legnaro (PD). Università degli studi di Padova
Seminars for the course on Plant Biotechnology and Plant Responses to Stress
Prof. Nicola Mori; 6 hours

• Date
• Name and address of employer
• Occupation or position held

a.y. 2019–2020
DAFNAE–Dep. Agronomy, Food, Natural resources, Animals and Environment
Viale dell’università 16, 35020, Legnaro (PD). Università degli studi di Padova
Teaching support for the course Environmental Entomology. Prof. Luca Mazzon.
15 hours.

• Date
• Name and address of employer
• Occupation or position held

20.11.2019 and 27.11.2019 (a.y.2019–2020); 07.11.2018 e 14.11.2018 (a.y.2018–2019)
DAFNAE–Dep. Agronomy, Food, Natural resources, Animals and Environment
Viale dell’università 16, 35020, Legnaro (PD). Università degli studi di Padova
Seminars for the course on Plant Biotechnology and Plant Responses to Stress
Prof. Nicola Mori; 6 hours.

• Date
• Name and address of employer
• Occupation or position held

a.y.2018–2019 ; a.y.2016–2017; a.y.2015–2016; .a.y.2014–2015; a.y.2013–2014
DAFNAE – Dip. di Agronomia, Animali, Alimenti, Risorse naturali Ambiente.
Viale dell’università 16, 35020, Legnaro (PD). Università degli studi di Padova
Teaching support for the Environmental Entomology course. Prof. Luca Mazzon.
15 hours.

• Date
• Name and address of employer
• Occupation or position held

a.y. 2009–2010
DAAPV Dip. di Agronomia Ambientale e Produzioni Vegetali Ambiente.
Viale dell’università 16, 35020, Legnaro (PD). Università degli studi di Padova.
Teaching support for the course ‘Biotechnology for Plant Protection Against

- Date
- Name and address of employer
- Occupation or position held

STUDENT SUPPORT ACTIVITIES

PHD CO-SUPERVISOR

THESIS SUPERVISOR

THESIS CO-SUPERVISOR

INTERNSHIP TUTOR

RESEARCH EXPERIENCE

- Date
- Name of employer
- Occupation or position held

• Date
Name of employer
Occupation or position held

• Date
Name of employer
Occupation or position held

- Date
Name of employer
- Occupation or position held
- Research activities

- Date
- Name of employer
- Occupation or position held
- Research activities

Arthropod". Prof. Luca Mazzon; 20 hours.

a.y. 2008-2009; a.y.2007-2008

DAAPV Dip. di Agronomia Ambientale e Produzioni Vegetali Ambiente.
Viale dell'università 16, 35020, Legnaro (PD). Università degli studi di Padova
Teaching support for the course 'Agricultural Entomology" Prof. Prof. V. Girolami.
20 hours.

Supervision of laboratory activities for international students during their study abroad period:

- Singh Prachi. 2019. 4 months
- Amini, Sudabe. 2017. 4 months
- Phd student: Ivana Carofano. Periodo: ottobre 2022 – today
- Phd student: Marco Falasco. Periodo: ottobre 2023 – today

Bachelor's Thesis Supervisor for 11 students of the Bachelor's Degree program in STAL

Co-supervisor of Bachelor's and Master's theses for 29 Italian and international students.

Internship Tutor for 14 students of the STAL Bachelor's Degree program

January 2025 – today

DAFNAE - Department of Agronomy, Food, Natural resources, Animals and Environment. University of Padova
Assistant Professor

May 2022 – December 2024

DAFNAE - Department of Agronomy, Food, Natural resources, Animals and Environment. University of Padova
Researcher RtdB

November 2021 – 30 April 2022

DAFNAE - Department of Agronomy, Food, Natural resources, Animals and Environment. *University of Padova*
Laboratory technician

January 2021 – 31 October 2022

DAFNAE - Department of Agronomy, Food, Natural resources, Animals and Environment. University of Padova, Prof. A. Battisti
Post-doc

"Inferring the introduction pathways of exotic pests using molecular analysis"

January 2020 – December 2020

DAFNAE - Department of Agronomy, Food, Natural resources, Animals and Environment. University of Padova. Prof. L. Mazzon
Research Fellow
"Genetic and bioinformatic analyses on insect samples from various sources"

- Date
- Name of employer
- Occupation or position held
- Research activities
- Date
- Name of employer
- Occupation or position held
- Research activities
- Date
- Name of employer
- Occupation or position held
- Research activities
- Date
- Name of employer
- Occupation or position held
- Research activities

INSTITUTIONAL ACTIVITIES

SCIENTIFIC PUBLICATIONS

May 2019 – December 2019

DAFNAE - Department of Agronomy, Food, Natural resources, Animals and Environment. University of Padova. Prof. A. Pozzebon

Research Fellow

Study of bacterial communities associated with *Metcalfa pruinosa* and their possible role in biological control.””.

May 2017 – April 2019; March 2016- February 2017; February 2014- January 2016

DAFNAE - Department of Agronomy, Food, Natural resources, Animals and Environment. University of Padova. Prof. L. Mazzon.

Post-doc

Structure and function of bacterial communities in invasive insects and implications for biological control.

Diversity and functions of the bacterial microbiota of *Drosophila suzukii* (Matsumura) (Diptera, Drosophilidae)

Molecular analysis of native parasitoids and their potential role in controlling recently introduced invasive species in agro-forestry environments

March 2011 – September 2013

DAFNAE - Department of Agronomy, Food, Natural resources, Animals and Environment. University of Padova. Prof. L. Mazzon.

Post-doc (legge n.449 dicembre 1997)

Morpho-functional studies on the esophageal bulb of Fruit flies in relation to bacterial symbiosis

March 2009 – February 2011

DAAPV Dip. di Agronomia Ambientale e Produzioni Vegetali Ambiente.

Viale dell'università 16, 35020, Legnaro (PD). University of Padova. Prof. V. Girolami

Post-doc (legge n.449 dicembre 1997)

Molecular studies regarding symbiotic bacteria in fruit flies and mechanisms of vertical transmission

- October 2024- today. Internship Committee Coordinator of the STAL degree program.
- October 2023 – today. Academic Mediator in Crop Science PhD Course.
- October 2023 – today. Member of the Departmental Ethics Committee. DAFNAE Department.
- October 2022 – today. Member of the Teaching Council of PhD course in “Crop Science” – University of Padova
- 2015-2017. Representative of Postdoctoral Fellows on the Department Council. DAFNAE Università di Padova.

1. Bolla, P. K., Panozzo, A., Minozzi, E., Valente, F., Potestio, S., Visioli, G., **Martinez-Sañudo, I** & Vamerali, T. Effects of foliar-sprayed bio-fertilizer with N-fixing *Methylobacterium symbioticum* on morpho-physiological traits of maize under varying N fertilization rates. *Frontiers in Plant Science*, 16, 1661290.

2. Modafferi, A., Urbaneja, A., Aure, C. M., Giunti, G., **Martinez-Sañudo, I.**, Ienco, A., ... & Perez-Hedo, M. (2025). Metabolic and microbial responses of *Ceratitis capitata* to essential oil-based nano-emulsions: Implications for pest management. *Pesticide Biochemistry and Physiology*, 106569.

3. Ortis, G., **Martinez-Sañudo, I.**, Maretto, L., Dominguez, C., Triapitsyn SV. & Mazzon, L. Biological insights and genetic characterization of a ground-searching mymarid wasp parasitizing eggs of a tettiioniid forest pest. *BioControl*, 33-44.

4. **Martinez-Sañudo, I.**, Perotti, M. A. Carofano, I., Santoiemma, G., Marri, L. & Mazzon, L. (2024). The biogeographic patterns of the olive fly and its primary symbiont *Candidatus* *Erwinia dacicola* across the distribution area of the olive tree. *Scientific Reports*, 14(1), 22483.
5. Marchioro, M., Vallotto, D., Ruzzier, E., Besana, L., Rossini, M., Ortis, G., ... & **Martinez-Sañudo, I.** (2024). The first host plant dataset of Curculionidae Scolytinae of the world: miscellaneous Tribes. *SCIENTIFIC DATA*, 11(1), 120.
6. Laterza, I., Sabree, Z. L., **Martinez-Sañudo, I.**, Scaccini, D., Pozzebon, A., Cornara, D., ... & Tamburini, G. (2023). *Halyomorpha halys* in Mediterranean areas: local and landscape predictors, genetic diversity, and potential biological control. *ENTOMOLOGIA GENERALIS*, 43(5).
7. Perin, C., **Martinez-Sañudo, I.**, Carofano, I., Mori, N., Santoiemma, G., Squartini, A., ... & Mazzon, L. (2023). Impairing the development of an olive fly pest by targeting its symbiotic bacteria in egg-infested fruits. *ENTOMOLOGIA GENERALIS*, 831-838.
8. Ruzzier, E., **Sañudo, I. M.**, Cavaletto, G., Faccoli, M., Smith, S. M., Cognato, A. I., & Rassati, D. (2023). Detection of native-alien populations of *Anisandrus dispar* (Fabricius, 1792) in Europe. *JOURNAL OF ASIA-PACIFIC ENTOMOLOGY*, 26(4), 102137. doi: 10.1016/j.aspen.2023.102137.
9. Centini, M., **Martinez-Sañudo, I.**, Biagi, M., Dreassi, E., Mazzon, L., & Marri, L. (2023). *Brevundimonas aurantiaca* M3d10, Isolated from the Olive Fly, Produces Hydroxylated Astaxanthin. *COSMETICS*, 10(4), 103.
10. Ruzzier, E., Ortis, G., Vallotto, D. et al. (2023). The first full host plant dataset of Curculionidae Scolytinae of the world: tribe Xyleborini LeConte, 1876. *SCI DATA* 10, 166. doi:10.1038/s41597-023-02083-5
11. Zhang, Y., Li, H., Feng, S., Qin, Y., De Meyer, M., Virgilio, M., ... & Li, Z. (2022). Mitochondrial phylogenomics reveals the evolutionary and biogeographical history of fruit flies (Diptera: Tephritidae). *ENTOMOLOGIA GENERALIS*, 43, 359-368.
12. Scaccini, D., Bramuzzo, D., Bostanci, C., Faccoli, M., **Martinez-Sañudo, I.**, Matov, A., ... & Pozzebon, A. (2023). First report of *Garella musculana* (Erschov, 1874)(Lepidoptera: Nolidae) in Italy with insights into its identity. *JOURNAL OF APPLIED ENTOMOLOGY*, 147, 239-243. doi: 10.1111/jen.13099.
13. **Martinez-Sañudo, I.**, Basso, A., Ortis, G., Marangoni, F., Stancher, G., & Mazzon, L. (2022). Strong genetic differentiation between fragmented alpine bush-cricket populations demands preservation of evolutionary significant units. *INSECT CONSERVATION AND DIVERSITY*, 15.6: 752-762. doi:10.1111/icad.12601.
14. Colombari, F., **Martinez-Sañudo, I.**, & Battisti, A. (2022). First report of the alien ambrosia beetle *Cnestus mutillatus* and further finding of *Anisandrus maiche* in the European part of the EPPO region (Coleoptera: Curculionidae: Scolytinae: Xyleborini). *EPPO Bulletin*.
15. **Martinez-Sañudo, I.**, Perin, C., Cavaletto, G., Ortis, G., Fontana, P., & Mazzon, L. (2021) Studying genetic population structure to shed light on the demographic explosion of the rare species *Barbitistes vicetinus* (Orthoptera, Tettigoniidae). *PloS ONE*. 16 (5), e0250507.
16. Marangoni, F., Ortis, G., **Martinez-Sañudo, I.**, Buzzetti, F. M., Mazzon, L., Stancher, G. (2020). Genetic diversity in populations of *Anonconotus italoaustriacus* Nadig, 1987 (Insecta, Orthoptera) in North-East Italy. *METALEPTEA*, 40(1): 10-12. ISSN 2372-2517 (Online), ISSN 2372-2479 (Print).
17. **Martinez-Sañudo, I.**, Perotti, M. A., Scaccini, D., Pozzebon, A., Marri, L., & Mazzon, I. (2020). Co-haplotyping symbiont and host to unravel invasion pathways of the

exotic pest *Halyomorpha halys* in Italy. SCIENTIFIC REPORTS, 10(1), 1-10.

18. Ortis, G., Triapitsyn, S. V., Cavaletto, G., **Martinez-Sañudo, I.**, & Mazzon, L. (2020). Taxonomic identification and biological traits of *Platystethynium triclavatum* (Donev & Huber, 2002), comb. n. (Hymenoptera, Mymaridae), a newly recorded egg parasitoid of the Italian endemic pest *Barbitistes vicetinus* (Orthoptera, Tettigoniidae). PEERJ, 8, e9667.
19. Ruzzier, E., Tomasi, F., Poso, M., & **Martinez-Sañudo, I.** (2020). *Archophileurus spinosus* Dechambre, 2006 (Coleoptera: Scarabaeidae: Dynastinae), a new exotic scarab possibly acclimatized in Italy, with a compilation of exotic Scarabaeidae found in Europe. ZOOTAXA, 4750(4), 577-584.
20. Scaccini, D., Falagiarda, M., Tortorici, F., **Martinez-Sañudo, I.**, Tirello, P., Reyes-Domínguez, Y., Gallmetzer, A., Tavella, L., Zandigiacomo, P., Duso, C. & Pozzebon, A. (2020). An Insight into the Role of *Trissolcus mitsukurii* as Biological Control Agent of *Halyomorpha halys* in Northeastern Italy. INSECTS, 11(5), 306
21. Amini, S., Nozari, J., Smith, S. **M.**, **Martinez, I.**, Hosseini, R. & Faccoli, M. (2020). Morphological and molecular identification of the Iranian bark and ambrosia beetles (Coleoptera, Curculionidae, Scolytinae). ZOOTAXA, 4852(3).
22. **Martinez-Sañudo, I.**, Mazzon, L., Simonato, M., Avtzis, D., Pujade-villar J., & Faccoli, M. (2019) Tracking the origin and dispersal of the Asian chestnut gall wasp *Dryocosmus kuriphilus* Yasumatsu (Hymenoptera, Cynipidae) in Europe with molecular markers. BULLETIN OF ENTOMOLOGICAL RESEARCH, 109, 300-308.
23. Mazzon, L., **Martinez-Sañudo, I.** & Girolami, V. (2019) - Relazioni dei ditteri tefritidi con i batteri simbiotici del tratto intestinale. ACCADEMIA NAZIONALE DI ENTOMOLOGIA, RENDICONTI, Anno LXVII: 63-72. ISSN 0065-0757
24. Saeed, N., Battisti, A., **Martinez-sañudo, I.** & Mori N (2018). Combined effect of temperature and Wolbachia infection on the fitness of *Drosophila suzukii*. BULLETIN OF INSECTOLOGY 71 (2): 161-169.
25. Favaro, R., Roved, J., Girolami, V., **Martinez-Sañudo, I.** & Mazzon L. (2018). Host instar influence on offspring sex ratio and female preference of *Neodryinus typhlocybae* (Ashmead) (Hymenoptera, Dryinidae) parasitoid of *Metcalfa pruinosa* (Say) (Homoptera, Flatidae). BIOLOGICAL CONTROL.125, 113-120.
26. **Martinez-Sañudo, I.**, Simonato, M., Squartini, A., Mori, N., Marri, L. & Mazzon, L. (2018) Metagenomic analysis reveals changes of the *Drosophila suzukii* (Matsamura) microbiota in the newly colonized regions. INSECT SCIENCE. 25(5), 833-846. doi:10.1111/1744-7917.12458.
27. Cavaletto, G., Faccoli, M., Marini, L., **Martinez-Sañudo, I.** & Mazzon, L. (2018). Oviposition site preference of *Barbitistes vicetinus* (Orthoptera, Tettigoniidae) during outbreaks. AGRICULTURAL AND FOREST ENTOMOLOGY, 20: 414-419. doi:10.1111/afe
28. Mazzon, L., **Martinez-Sañudo, I.**, Simonato, M. & Girolami, V. (2017). Considerazioni filogenetiche e biogeografiche su "*Candidatus Erwinia dacicola*" e prospettive per l'allevamento di *Bactrocera oleae* (Rossi). ATTI ACCADEMIA NAZIONALE DI ENTOMOLOGIA, Anno LXIV, 2016: 85-91.

29. Dorigo, L., Squartini, A., Toniello, V., Dreon, A.L., Pamio, A., Concina, G., Simonutti, V., Ruzzier E., Perreau, M., Summers, Engel A., Gavinelli, F., **Martinez-Sañudo, I.**, Mazzon, L. & Paoletti, M.G. (2017). Cave hygropetric beetles and their feeding behaviour, a comparative study of *Cansiliella servadeii* and *Hadesia asamo* (Coleoptera, Leiodidae, Cholevinae, Leptodirini). ACTA CARSOLOGICA, 46: 317-328.
30. Fraimout, A., Debat, V., Fellous, S., Hufbauer RA., Foucaud, J., Pudlo, P., Marin, JM., Price, DK., Cattel, J., Chen, X., Deprá, M., Duyck, PF., Guedot, C., Kenis, M., Kimura, MT., Loeb, G., Loiseau, A., **Martinez-Sañudo, I.**, Pascual, M., Richmond, MP., Shearer, P., Singh, N., Tamura, K., Xuéreb, A., Zhang, J & Estoup, A. (2017) Deciphering the routes of invasion of *Drosophila suzukii* by means of ABC random forest. MOLECULAR BIOLOGY AND EVOLUTION 34(4), 980-996.
31. Simonato, M., **Martinez-Sañudo, I.**, Cavaletto, G., Santoiemma, G. & Mazzon L. (2016) - High genetic diversity in the *Culex pipiens* complex from a West Nile Virus epidemic area in Southern Europe. PARASITES & VECTORS, 9: 150. doi: 10.1186/s13071-016-1429-1.
32. Liu, L.J., **Martinez-Sañudo, I.**, Mazzon, L., Prabhakar, C.S., Girolami, V., Deng, Y.L., Dai, Y. & Li Z.H. (2016). Bacterial communities associated with invasive populations of *Bactrocera dorsalis* (Diptera: Tephritidae) in China. BULLETIN OF ENTOMOLOGICAL RESEARCH, 106: 718-728. doi: 10.1017/S0007485316000390P
33. Chatzidimitriou, E., Simonato, M., Watson, GW., **Martinez-Sañudo, I.**, Tanaka, H., Zhao, J. & Pellizzari, G. (2016). Are *Phenacoccus solani* Ferris and *P. defectus* Ferris (Hemiptera: Pseudococcidae) distinct species? ZOOTAXA 4093(4), 539-551.
34. Viale, E., **Martinez-Sañudo, I.**, Brown, J.M., Simonato, M., Girolami, V., Squartini, A., Bressan, A., Faccoli, M. & Mazzon L. (2015). Pattern of association between endemic Hawaiian fruit flies (Diptera, Tephritidae) and their symbiotic bacteria: evidence of cospeciation events and proposal of "*Candidatus* Stammerula trupaneae". MOLECULAR PHYLOGENETICS AND EVOLUTION, 90: 67–79. doi: 10.1016/j.ympev.2015.04.025
35. Mazzon L. & **Martinez-Sañudo I.** (2014). The caper fly *Capparimyia savastani* (Martelli) (Diptera, Tephritidae). FRUIT FLY NEWS, for Tephritid Fruit Fly Workers, 27: 2.
36. Paoletti, M.G., Mazzon, L., **Martinez-Sañudo, I.**, Simonato, M., Beggio, M., Dreon, A.L., Pamio, A., Brilli, M., Dorigo, L., Engel, A.S., Tondello, A., Baldan, B., Concheri, G. & Squartini, A. (2013). A unique midgut-associated bacterial community hosted by the cave beetle *Cansiliella servadeii* (Coleoptera: Leptodirini) reveals parallel phylogenetic divergences from universal gut-specific ancestors. BMC MICROBIOLOGY, 13: 129. doi: 10.1186/1471-2180-13-129
37. **Martinez-Sañudo, I.**, Mazzon, L., Dalla Vecchia, P., Bagnoli B., Lucchi, A., Marchesini, E. & Mori, N. (2013). Pyralidae Phycitinae in Italian vineyards: behavioural and molecular genetic investigations. IOBC/wprs BULLETIN, 85: 211-215
38. Savio, C., Mazzon, L., **Martinez-Sañudo, I.**, Simonato, M., Squartini, A. & Girolami, V. (2012). Evidence of two lineages of the symbiont "*Candidatus* Erwinia dacicola" in Italian populations of *Bactrocera oleae* (Rossi) based on 16S rRNA gene sequence. INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY, 62: 179-187.

	39. Martinez-Sañudo, I., Savio, C., Mazzon, L., Girolami, V., Ciolfi, S. & Marri, L. (2011) Green fluorescent protein (GFP)-labeling of enterobacteria associated with fruit flies (Diptera: Tephritidae) and persistence in their natural host <i>Rhagoletis completa</i> Cresson. CANADIAN JOURNAL OF MICROBIOLOGY, 57: 969-973. doi: 10.1007/s00203-014-1039-2 40. Mazzon, L., Martinez-Sañudo, I., Simonato, M., Squartini, A., Savio, C. & Girolami, V. (2010). Phylogenetic relationships between flies of the Tephritinae subfamily (Diptera, Tephritidae) and their symbiotic bacteria. MOLECULAR PHYLOGENETICS AND EVOLUTION, 56: 312-326. doi: 10.1016/j.ympev.2010.02.016 41. Mazzon, L., Piscedda, A., Simonato, M., Martinez-Sañudo, I., Squartini, A., Girolami V. (2008) .Presence of specific symbiotic bacteria in flies of the subfamily Tephritinae (Diptera Tephritidae) and their phylogenetic relationships: proposal of '<i>Candidatus</i> Stammerula tephritidis'. INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY, 58: 177-1287. doi: 10.1099/ijs.0.65287-0
BOOK CHAPTER	42. Mazzon L., Martinez-Sañudo I, Simonato M, Savio C and Squartini A. Stammerula and other symbiotic bacteria within the fruit flies inhabiting Asteraceae flowerheads. In: ZCHORI-FEIN E., BOURTZIS K. Manipulative Tenants: Bacteria associated with arthropods, 89.
SCIENCE OUTREACH ARTICLES	43. Perez-Hedo, M., Ortells-Fabra, R., Morales-Amezcu, P., Granero-García, B., Martínez-Sañudo, I., & Urbaneja, A. Avances recientes en el control biológico de plagas en cultivos de invernadero: el cultivo del tomate como caso práctico. PHYTOMA España, 353, 34-37. 44. Duso C., Borgo M., Pozzebon A., Mazzon L., Mori N., Pavan F., Fornasiero D., Marchesini E., Martinez-Sañudo I., Zanettin G. (2017) Vite: <i>Erasmoneura vulnerata</i>, una minaccia da valutare. L'Informatore Agrario. 44/2017
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**EDITORIAL
ACTIVITY-EVALUATOR
EXPERTISE**

September.

7. Paoletti M.G., Mazzon L., **Martinez-Sañudo I.**, Simonato M., Squartini A. (2014) - Comunità batterica specifica associata al Coleottero troglobio *Cansiliella servadeii* (Coleoptera, Leptodirini). Proceedings XXIV CONGRESSO NAZIONALE ITALIANO DI ENTOMOLOGIA. Orosei (NU), 9-14 June.

PROJECTS

BMC Genomics, Bulletin of Entomological Research, Frontiers in Cell and Developmental Biology, Frontiers in Microbiology, Diversity and Distributions, Entomologia Generalis, Journal of applied Entomology, iForest, Insects, Insect Science, Oecologia, Pest Management Science, Scientific Reports.

Beneficiary and **Principal Investigator** of a grant for the monitoring of insects at risk of introduction in the Veneto Region through entomological traps, vegetation inspection, and identification using molecular biology techniques – Funding body: Regione Veneto submitted to the European Commission for inclusion in the Single Market Programme Regulation (SMP) within the framework of the Phytosanitary Programme **2022, 2023, and 2024**.

Beneficiary and **Principal Investigator** of a grant for the study of the impact of landscape on the microbiota of pollinators. Project title: The impact of landscape in shaping the microbiota of pollinators. Funding body: University of Padua. MART_BIRD23_01 – MARTINEZ SANUDO - BIRD 2023 - Progetto di ricerca (PRID). From 22-03-2023 to 22-03-2025

Member of the Padova Operational Unit within the PRIN project “EndOfsymb. Decoupling a long-term relationship between the olive fly and its symbiont for pest control” (Bando 2022 PNRR Protocollo. 2022PMBM8K). 2022-2024.

Member of the Padova Operational Unit within the PRIN project: “FORBIO. Improving FORest insect BIOsecurity in the era of globalization” (PRIN – bando 2022 PNRR Prot. P2022A9LF9). 2022-2024.

Participant in the PNRR AgriTech project. Workpackage WP 2.2 “Alternatives tools and strategies to reduce the use of synthetic pesticides and fertilizers”, Task 2.2.3, title of the research activity: “Biological control”.

Member of the “Parco Nazionale delle Dolomiti Bellunesi” project: “Indagini sugli Ortoteri delle Vette Feltrine ed in particolare sulla popolazione relitta di grillo alpino orientale (*Anonconotus italoaustriacus*) e possibili iniziative di conservazione”. 2023-2025.

Member of the “Parco Nazionale del Gran Sasso e Monti della Laga” project: Indagini morfologiche e molecolari su complessi di specie di ortoteri a status incerto dell’Appennino Meridionale. 2023-2024

Member of the Padova Operational Unit within project: “Implementation of integrated pest management strategies against grapevine pests: alternatives to synthetic products and spatio-temporal monitoring of vectors of phytoplasmas associated with Flavescence dorée. Commercial contract with Consorzio Di Tutela Della Denominazione Di Origine Controllata Prosecco”.

Member of the project: Study on the introduction of a natural antagonist for the biological control of *Metcalfa pruinosa* in South Korea. National Institute of Agricultural Science (NAS) of the Rural Development Administration (RDA), the Republic of Korea. 01/04/2017-01/12/2019.

Participant in the Padova Operational Unit within the European project: “Strategies to develop effective, innovative and practical approaches to protect major European fruit crops from pests and pathogens - DROPSA”. Grant agreement 613678. Project

Member of the Padova Operational Unit within the PRIN project "Global Exotic Sustainable Control Agroforestry – GEISCA" (triennale). Protocollo 2010CXXHJE_005. Principal Investigator: Prof. S. Maini (Università di Bologna). 01/02/2013-01/02/2016.

Member of the project: "Population genetic analysis of the *Culex pipiens* complex in the Po Delta". PROGETTO PILOTA REGIONALE DI LOTTA ALLE ZANZARE (Regione Veneto). 15/07/2011-30/11/2013.

Participant in the project of the Dipartimento di Scienze Agrarie, Alimentari e Agro-ambientali (DiSAAA) dell'Università di Pisa: "Behavioral and molecular investigations of traditional and newly invasive grapevine fruit pests.". Progetto di Ateneo, Codice: CPDA100383 – Università di Padova. Responsabile: Prof. N. Mori (Università di Padova). 01/01/2010-01/01/2011.

Member of the Padova Operational Unit within the PRIN project: Bacterial communities and symbioses in tephritid flies (Diptera, Tephritidae)". Protocollo: 2008BPLF7Y. 22/03/2010-22/09/2012.

VISITING PERIODS AT INTERNATIONAL INSTITUTIONS

- 5/07/2023 – 07/01/2024. Instituto Valenciano de Investigaciones Agrarias (IVIA) (Valencia, Spagna) in the " Department of Plant Protection and Biotechnology", Study of the eriophyid mite *Aculops lycopersici* and the defense responses of tomato plants against this pest species
- 06/2008 – 08/2008. School of Biological Sciences. University of Bangor (Wales). School of Biological Sciences. University of Reading (England). Conducted research on the localization of symbiotic bacteria in tephritid flies using advanced microscopy and fluorescence in situ hybridization techniques.

BIBLIOMETRICS

Source: Scopus. September 2025. Documents: 37. Citations: 589; H index: 12

LANGUAGES MOTHER TONGUE

SPANISH

OTHER LANGUAGES

Italian

Reading skills: Excellent; Writing skills: Excellent; Verbal skills: Excellent

English

Reading skills: Excellent; Writing skills: Excellent; Verbal skills: very good

DRIVING LICENSE

DRIVING LICENSE TYPE B

Padova, 09/10/2025

Isabel Martínez