PERSONAL INFORMATION
Name: Valerio Mazzoni
Researcher unique identifier(s): Scopus Author ID: 25722251000
Nationality: Italian
Date of birth: 19th May 1975

OVERVIEW of the RESEARCH ACTIVITY
I started my scientific career as TAXONOMIST OF THE AUCHENORRHYNCHA insects' group. My
first topics was BIODIVERSITY, especially in the context of AGROECOSYSTEM ENVIRONMENTS
of Mediterranean lands. Nowadays, as Fondazione Mach researcher, I deal with several aspects of
BEHAVIOURAL ENTOMOLOGY, with particular concern to INSECT COMMUNICATION.

BIOTREMOLOGY is my main field of study, and the MATING COMMUNICATION by means of VIBRATIONAL SIGNALS, is the center of my research activity. The ultimate goal is to invent and
develop INNOVATIVE METHODS OF PEST CONTROL through BEHAVIORAL MANIPULATION, such
as the VIBRATIONAL MATING DISRUPTION.

EDUCATION
2005 **Ph.D. Degree in Sciences** of Vegetable Productions
Faculty of Agricultural Sciences, **University of Pisa**, Italy
1998 **Master's Degree in Agricultural Sciences**, 110/110 cum laude
Faculty of Agricultural Sciences, **University of Pisa**, Italy

CURRENT POSITION
Entomology Researcher, head of the **Crop Protection** research unit at **Fondazione Edmund Mach**, San Michele all'Adige, Trentino, Italy.

FELLOWSHIPS, G R A N T S AND AWARDS
2022, October: Winner "Special Award: Best Innovative Product Assisting Uptake of Biocontrol" with CBC (Europe) s.r.l. Biogard Division for Shindo Trap (Bimodal Traps, vibrations-pheromones to catch the Brown Marmorated Stinkbug).

2021-2022: P.I. of the project "VIBVINE": Vibration-mediated control of grapevine pests, funded by CBC-Europe. 44k€.

2021-2022: co-P.I. of the project "EPS CRI": Ecological Pesticide System. Funded by Team Energy Srl. 22 k€.

2020-2023: P.I. of the project "SWAT: Progetto di Lotta Biologica contro le specie aliene" funded by the Province of Trento for the introduction of Trissolcus japonicus to contain the expansion of the Brown Marmorated Stink Bug 1,600 k€.

2019-2020: P.I of the project VibMir: "Comunicazione vibrazionale della cimice Nesidiocoris tenuis (Hemiptera: Miridae)" funded by Biobest and CBC-Europe 72 k€.

2019-2022: P.I. for Fondazione Mach of the Project "Vibrobug": "Vibrational mating disruption of grapevine pests". Bando Fondazione Caritro: Bando Ricerca e Sviluppo 2019. 95K€.

2018: Honored of the title of "**Ambassador of Trentino for Congresses**"

2018 – 2021: P.I. for Fondazione Mach of the European Project: “Replacement of Contentious Inputs in organic farming Systems”. H2020-SFS-2016-2017 Sustainable Food Security – Resilient and resource-efficient value SFS-08-2017 Organic inputs – contentious inputs in organic farming. 264 K€

2017, 23 October: Winner “**Bernard Blum Biocontrol Product of the Year**” with CBC (Europe) s.r.l. Biogard Division for Tremos (Vibrational Mating Disruption to control grapevine leafhoppers with vibrations).

2017 – 2019: Research Contract: Vibroxyl – CIHEAM Bari – “Study of the vibrational communication of Philaenus spumarius, insect vector of Xylella fastidiosa”. 75 K€

2017 – 2019: Research Contract: VibeVine – CBC (Europe)/University of Trento – Transmission efficiency and vibrational mating disruption in the vineyard to control leafhopper pests. 60 K€

2017 – 2018: Research Contract: FieldVib - CBC (Europe)/University of Trento – Development of the method of vibrational mating disruption in the field. 50 K€

2015 – 2016: Research Contract: Halyvib – UniMORE - Strumenti e protocolli innovativi per il monitoraggio ed il controllo sostenibile della chimica ed il controllo sostenibile della cimice aliena Halymotpha halys nuova minaccia fitosaniaria, e di altri eterotteri dannosi alle colture frutticole del territorio modenese 25 K€

2014 – 2016: Research Contract: Sharp – USDA California - Pierce’s Disease Control Using Glassy-Winged Sharpshooter Biology: Exploiting Communication of the Vector 15 K€

2014 – 2017: Scopazzi – Association Fruit Producers of Trentino – New insights into the biology and ecology of the insect vectors of apple proliferation for the development of sustainable control strategies. 124.5 K€

2013 – 2016: FIRST – PhD grant financed by Fondazione Edmund Mach. 60 K€

2012 – 2014: MAE (Italian Foreign Ministry) Project – Visive - Tuning of vibrational signals emitted by vectors of phytoplasma grapevine diseases with host plants (ViSiVe) -.Studio dei segnali vibrazionali emessi da insetti vettori di fitoplasmi della vite su pianta ospite. 6 K€

2011-2014: European Project: “Pesticide Use-and-risk Reduction in European farming systems with Integrated Pest Management PURE”. “SEVENTH FRAMEWORK PROGRAMME: Food, Agriculture and Fisheries, Biotechnology” Contract n 265865. 158 K€

2010-2013: Research Contract – CBC Vibrazionale - Ricerca sullo sviluppo di un sistema di interferenza sessuale su insetti dannosi alla vite con segnali vibrazionali. 60 K€

ADVISORY/EXPERT BOARD MEMBERSHIP OF THE FOLLOWING EU HORIZON 2020 PROJECTS

- Winetwork (grant agreement N°652601); http://it.winetwork.eu/
- Xf Actors (SFS-09-2016, grant agreement N° 727987); http://www.xfactorsproject.eu/

EXPERT OF THE EUROPEAN RESEARCH AND EXECUTIVE AGENCY: Monitor of the European Project H2020-SFS-17-2017 on Innovations in plant protection, Superpests (https://www.superpests.eu/)

SUPERVISION OF STUDENTS AND POSTDOCTORAL FELLOWS

PhD students:

2021 – now: Chiara Peccerillo: “Exploitation of mating interference for biological control of Bagrada hilaris (BioBag). University of Trento.
2020 – now: Jalal Fouani: “Applied chemical ecology and biotremology to enhance insect parasitoids' efficacy in the biological control of the Brown Marmorated Stinkbug, Halyomorpha halys”. University of Trento
2019 – now: Fabrizio Freda: “Integrated control of Varroa destructor by means of honeybee colonies natural management in combination with botanical extracts” (BeeVar). University of Trento
2017 – 2020: Imane Akassou: “Novel approaches to study vibrational signaling of insects”. University of Trento
2017 – 2020: Sabina Avosani: Study of the vibrational communication of Philaenus spumarius, insect vector of Xylella fastidiosa (Vibroxyl). University of Trento
2017 – 2019: Alireza Fazeli: Transmission efficiency and vibrational mating disruption in the vineyard to control leafhopper pests (VibeVine). University of Trento
2013- 2016: Rachele Nieri: Insect vibrational communication: description, decoding and manipulation. University of Florence
2010-2012: Anna Eriksson: Mating disruption in Scaphoideus titanus Ball (Hemiptera: Cicadellidae) by vibrational signals (CBC Vibrazionale). University of Pisa

Postdoc:
2018 – 2022 Valentina Zaffaroni Caorsi (Vitevib)
2018-2019 Alice Berardo (Vitevib)
2017 – now Rachele Nieri (FieldVib)
2012-2016 Jernej Polajnar (PURE project/HalyVib)
2015: Petra Pavlovcic (PURE project)
From 2010 supervision of about 20 Master and Bachelor students from University of Udine, University of Modena and Reggio Emilia, University of Pisa, University of Trento and CIHEAM of Valenzano. I have also tutored several visiting scientists, technicians, interns and high school students.

TEACHING ACTIVITIES

- From 2023: Lecturer of the course of “Behavioral ecology and manipulation for insect pest control”, in the PhD course of Agrifood and Environmental Sciences of the University of Trento.
- From 2020 to 2022: Lecturer of the course of “Innovative Methods in Crop Protection”, in the PhD course of Agrifood and Environmental Sciences of the University of Trento.
- From 2020 to 2022: Lecturer of the course of “Non-Parametric Statistics”, in the PhD course of Agrifood and Environmental Sciences of the University of Trento.
- 2015–2019: Lecturer of the course “Bioagrofarmaci”, Corso di laurea interateneo University of Udine, University of Trento and Fondazione Mach.
- 2013-2014: Lecturer of Agricultural Entomology at the "Summer school viticoltura enologia" Corso di laurea interateneo University of Udine, University of Trento and Fondazione Mach.
- 2014: Lecturer of the course: “Univariate Statistics – Basic Level”. Master of Science” Programme in “Sustainable IPM Technologies for Mediterranean Fruit and Vegetable Crops” - Academic Year 2013-2014. IAM.B Istituto Agronomico Mediterraneo di Bari

COMMITTEES, APPOINTMENTS, SCIENTIFIC SOCIETIES

- Member of the board of the PhD school “AgriFood and Environmental Sciences”, University of Trento

- Honored of the National full professorship in General and Applied Entomology “Abilitazione Scientifica Nazionale per il Settore Concorsuale 07/D1 - Patologia Vegetale e Entomologia, Prima Fascia” 2018-2022
- Honored of the National associate professorship in General and Applied Entomology “Abilitazione Scientifica Nazionale per il Settore Concorsuale 07/D1 – Patologia Vegetale e Entomologia, Seconda Fascia” 2014-2018
- Member of the International Society of Ecoacoustics
- Member of the advisory board of the International Biotremology Conference

ORGANISATION OF SCIENTIFIC MEETINGS
2018 – Main Convener of: Studying Vibrational Communication – 2nd International Symposium on Biotremology – San Michele all’Adige. 3-5 September 2018.
2017 – Local Organization and Scientific Committee member of the Future IPM 3.0 Meeting – Riva del Garda 15-20 October 2017.
2016 – Main Convener of: Studying Vibrational Communication – 1st International Symposium on Biotremology – San Michele all’Adige. 5-7 July 2016.
2014: Honored of the National associate professorship in Entomology “Abilitazione Scientifica Nazionale per il Settore Concorsuale 07/D1 - Patologia Vegetale e Entomologia, Seconda Fascia” 2014-2018

Book Editor

- Hill PSM, **Mazzoni V**, Stritih-Peljhan N, Virant-Doberlet M and Wessels A (eds). (2022) Biotremology: Physiology, Ecology, and Evolution. Volume 8, Janik EM and McGregor P (eds). Animal Signals and Communication (series). Springer Cham.

- Hill PSM, Lakes-Harlan R, **Mazzoni V**, Narins P, Virant-Doberlet M and Wessels A (eds). (2019) Biotremology: Studying Vibrational Behavior. Volume 6, In: Janik EM and McGregor P (eds). Animal Signals and Communication (series). Berlin: Springer. DOI: 10.1007/978-3-030-22293-2

Book Chapters

- AVOSANI S, MANKIN RW, SULLIVAN TES, POLAJNAR J, SUCKLING DM, **MAZZONI V** (2022) Vibrational communication in Psyllids. In: Biotremology: Physiology, Ecology, and Evolution. Volume 8, Janik EM and McGregor P (eds). Animal Signals and Communication (series). Springer Cham.

- **MAZZONI V**, NIERI R, ERIKSSON A, VIRANT-DOBERLET M, POLAJNAR J, ANFORA G, LUCCHI A (2019) Mating disruption by vibrational signals: State of the field and perspectives. Chapter 17. In: Biotremology: Studying Vibrational Behavior. Volume 6, (pp. 331-354). In: Janik EM and McGregor P (eds). Animal Signals and Communication (series). Berlin: Springer.

- HILL P.S., **MAZZONI V**., NARINS P., VIRANT-DOBERLET M., WESSEL A. (2019). Quo Vadis, Biotremology?. In: Biotremology: Studying Vibrational Behavior. Volume 6, (pp. 3-14). In: Janik EM and McGregor P (eds). Animal Signals and Communication (series). Berlin: Springer.

- POLAJNAR J, MAISTRELLO L., IBRAHIM A., **MAZZONI V.** (2019). Can Vibrational Playback Improve Control of an Invasive Stink Bug? In: Biotremology: Studying Vibrational Behavior. Volume 6, Volume 6, (pp. 375-398). Janik EM and McGregor P (eds). Animal Signals and Communication (series). Berlin: Springer.

- POLAJNAR J., ERIKSSON A., VIRANT-DOBERLET M., LUCCHI A., **MAZZONI V.** (2016). Developing a bioacoustic method for mating disruption of a leafhopper pest in grapevine. In: “Advances in Insect Control and Resistance Management” Springer International Publishing pp. 165-190.
- **MAZZONI V.,** ERIKSSON A., ANFORA G., LUCCHI A., VIRANT-DOBERLET M. (2014). Active space and the role of amplitude in plant-borne vibrational communication. In Studying vibrational communication (pp. 125-145). Springer Berlin Heidelberg.
- VIRANT-DOBERLET M., **MAZZONI V.,** DE GROOT M., POLAJNAR J., LUCCHI A., SYMONDSON W. O., & ČOKL A. (2014). Vibrational communication networks: eavesdropping and biotic noise. In Studying vibrational communication (pp. 93-123). Springer Berlin Heidelberg.

  MAZZONI V., ALMA A., LUCCHI A. (2005). Cicaline dell’agroecosistema vigneto e loro interazioni con la vite nella trasmissione di fitoplasmi. In: “Flavescenza dorata e altri giallumi della vite”, Bertaccini e Braccini eds. Quaderno Arsia, 3. pp. 55-74.

Guest Editor of the Special Issues: "Behavioral Manipulation for Pest Control". Insects (ISSN 2075-4450) https://www.mdpi.com/journal/insects/special_issues/behavioral_manipulation

Scientific Articles on IF Journals (SCOPUS: H index 24; docs 70)

- AKASSOU I., ZAPPONI L., VERRASTRO V., CIOLLI M., MAZZONI V. (2022). Extending the vibroscape to agroecosystems: investigating the influence of abiotic factors and monitoring insect vibrational signaling. PeerJ, 10, e14143.
- BERARDO A., FATTORUSO V., MAZZONI V., PUGNO N. M. (2022). Coupling computational vibrational models and experimental biotremology to develop a green pest control strategy against the greenhouse whitefly Trialeurodes vaporariorum. Journal of the Royal Society Interface, 19(195), 20220311.
- CRISTOFARO M., SFORZA R.F.H., ROSELLI G., PAOLINI A., CEMMI A., MUSMECI S., ANFORA G., MAZZONI V., GRODOWITZ M. (2022). Effects of Gamma Irradiation on the Fecundity, Fertility, and Longevity of the Invasive Stink Bug Pest Bagrada hilaris (Burmeister) (Hemiptera: Pentatomidae). Insects. Special Issue.
- AVOSANI S., CIOLLI M., VERRASTRO V., MAZZONI V. (2022). Application of vibrational signals to study and manipulate an insect vector: the case of Philaenus spumarius (Hemiptera: Aphrophoridae). Pest Management Science. https://doi.org/10.1002/ps.7025.
- NIERI R., ANFORA G., MAZZONI V., ROSSI STACCONI M.V. (2022). Semiochemicals, semiophysicals and their integration for the development of innovative multi-modal systems for agricultural pests’ monitoring and control. Entomologia Generalis Volume 42 Number 2 (2022), p. 167 - 183. DOI: 10.1127/entomologia/2021/1236
- ZAPPONI L., NIERI R., ZAFFARONI-CAORSI V., PUGNO N.M., MAZZONI, V. (2022). Vibrational calling signals improve the efficacy of pheromone traps to capture the brown marmorated stink bug. Journal of Pest Science, 1-11.
- ZAFFARONI-CAORSI V., NIERI R., PUGNO N.M., MAZZONI, V. (2022). Effect of vibrational mating disruption on flight activity and oviposition to control the grapevine pest, Scaphoideus titanus. Arthropod Structure & Development, 69, 101173.

- ZAPPONI L., MORTEN M., CHIESA S.G., ANGELI G., BORRI G., MAZZONI V., ... ANFORA, G. (2022). Brown marmorated stink bug (Halyomorpha halys) feeding damage determines early drop in olive crops. Journal of Applied Entomology, 146(6), 791-795.
- SCALA M., FOUANI J.M., ZAPPONI L., MAZZONI V., WELLS K.E., BIONDI A., ... ANFORA, G. (2022). Attraction of Egg Parasitoids Trissolcus mitsukurii and Trissolcus japonicus to the chemical cues of Halyomorpha halys and Nezara viridula. Insects, 13(5), 439.
- AVOSANI S., MAZZONI V., TATTONI C., CIOLLI M. (2022) Occupancy and detection of agricultural threats: The case of Philaenus spumarius, European vector of Xylella fastidiosa. Agriculture, Ecosystems & Environment, 324: 10707.
- STRAUSS J., STRITIH-PELJHAN N., NIERI R., VIRANT-DOBERLET M., **MAZZONI, V.** (2021). Communication by substrate-borne mechanical waves in insects: From basic to applied biotremology. Advances in Insect Physiology, DOI: 10.1016/bs.aiip.2021.08.002.
- AVOSANI S., BERARDO A., PUGNO N.M., VERRASTRO V., **MAZZONI V.,** CORNARA D. (2021) Vibrational disruption of feeding behaviors of a vector of plant pathogen. Entomologia generalis, DOI: 10.1127/entomologia/2021/1327
- CAORSI V., CORNARA D., WELLS K. E., MOSER D., BERARDO A., MISELLI R., TORRIANI M., PUGNO N.M., TASIN M., MAISTRELLO L., **MAZZONI V.** (2021). Design of ideal vibrational signals for stinkbug male attraction, through vibrotaxis experiments. Pest Management Science. DOI: 10.1002/ps.6590.
- AKASSOU I., AVOSANI S., CAORSI V., VERRASTRO V., CIOLLI M., **MAZZONI V.** (2021). Intrasexual vibrational behavior of Philaenus spumarius in semi-field conditions. Insects 12 (7). DOI: 10.3390/insects12070584
- AVOSANI S., FRANCESCHI P., CIOLLI M., VERRASTRO V., **MAZZONI, V.** (2021). Vibrational playbacks and microscopy to study the signalling behaviour and female physiology of Philaenus spumarius. Journal of Applied Entomology, 145(6), 518-529.
- FATTORUSO V., ANFORA G., **MAZZONI V.** (2021). Vibrational communication and mating behavior of the greenhouse whitefly Trialeurodes vaporariorum (Westwood)(Hemiptera: Aleyrodidae). Scientific Reports, 11(1), 1-11.
- GALAMBOS N., COMPANT S., WÄCKERS F., SESSITSCH A., ANFORA G., **MAZZONI V.,** PERTOT I., PERAZZOLLI M. (2021). Beneficial Insects Deliver Plant Growth-Promoting Bacterial Endophytes between Tomato Plants. Microorganisms, 9(6), 1294.
- **MAZZONI V.**, ANFORA G. (2021) Behavioral Manipulation for Pest Control. Insects 2021, 12, 287.https://doi.org/10.3390/insects12040287
- MASONI A., FRIZZI F., NIERI R., CASACCI L.P., **MAZZONI V.**, TURILLAZZI S., SANTINI G. (2021) Ants modulate stridulatory signals depending on the behavioural context. Scientific Reports 11: 5933. https://doi.org/10.1038/s41598-021-84925-z.
- DUROVIC G., ALAWAMLEH A., CARLIN S., MADDALENA G., GUZZON R., **MAZZONI V.**, DALTON D.T., WALTON V.M., SUCKLING D.M., BUTLER R.C., ANGELI S., DE CRISTOFARO A., ANFORA G. (2021) Liquid baits with Oenococcus oeni increase captures of Drosophila suzukii. Insects 12: 66 https://doi.org/10.3390/insects1201.
- AVOSANI S., DAHER E., FRANCESCHI P., CIOLLI M., VERRASTRO V., **MAZZONI V.** (2020) Vibrational communication and mating behavior of the meadow spittlebug *Philaenus spumarius*. Entomologia Generalis, 307-321.

- AVOSANI S., SULLIVAN T.E., CIOLLI M.; **MAZZONI V**.; SUCKLING D.M. (2020) Vibrational communication and evidence for vibrational behavioural manipulation of the tomato potato psyllid. Entomologia Generalis. DOI: 10.1127/entomologia/2020/0984.
- OPPEDISANO T., POLAJNAR J., KOSTANJSEK R., DE CRISTOFARO A., IORIATTI C., VIRANT-DOBERLET M., **MAZZONI V**. (2020) Substrate-Borne Vibrational Communication in the Vector of Apple Proliferation Disease Cacopsylla picta (Hemiptera: Psyllidae). Journal of Economic Entomology, doi: 10.1093/jee/toz328.
- AVOSANI S., SULLIVAN T.E., CIOLLI M.; **MAZZONI V**.; SUCKLING D.M. (2020) Can Vibrational Playbacks Disrupt Mating or Influence Other Relevant Behaviours in Bactericera cockerelli (Triozidae: Hemiptera)? Insects 11 (5), 299.
- TAIT G., CABIANCA A., GRASSI A., PFAB F., OPPEDISANO T., PUPPATO S., **MAZZONI V**., ANFORA G., WALTON V.M. (2019) Drosophila suzukii daily dispersal between distinctly different habitats. Entomologia generalis, DOI: 10.1127/entomologia/2019/0876.
- MALEK R., ZAPPONI L., ERIKSSON A.; CIOLLI M., **MAZZONI V**., ANFORA G., TATTONI C. (2019) Monitoring 2.0: Update on the *Halyomorpha halys* Invasion of Trentino. ISPRS International Journal of Geo-Information, 8, 564; doi:10.3390/ijgi8120564.
- SUCKLING D.M., **MAZZONI V**., ROSELLI G., LEVY M.C., IORIATTI C., STRINGER L.D., ZENI V., DEROMEDI M., ANFORA G. (2019). Trapping Brown Marmorated Stink Bugs: Lure and kill using "The Nazgûl". Insects, 10, 433; doi:10.3390/insects10120433.
- SUCKLING D.M., LEVY M.C., ROSELLI G., **MAZZONI V**., IORIATTI C., DEROMEDI M., CRISTOFARO M., ANFORA G. (2019). Live traps for adult Brown Marmorated Stink Bugs. Insects 10(11), 376; https://doi.org/10.3390/insects10110376.
- SUCKLING D.M., CRISTOFARO M., ROSELLI G., LEVY M.C., CEMMI A., **MAZZONI V**., STRINGER L.D., ZENI V., IORIATTI C., ANFORA G. (2019). The Competitive Mating of Irradiated Brown Marmorated Stink Bugs, Halyomorpha halys, for the Sterile Insect Technique. Insects 2019, 10, 411; doi:10.3390/insects10110411.
- NIERI R., **MAZZONI V.** (2019). Vibrational mating disruption in of *Empoasca vitis* by natural or artificial disturbance noises. Pest Management Science 75 (4): 1065-1073.
- BASER N., BROUTOU O., VERRASTRO V., PORCELLI F., IORIATTI C., ANFORA G., **MAZZONI V.**, ROSSI STACCONI MV. (2018). Susceptibility of table grape varieties grown in south-eastern Italy to *Drosophila suzukii*. Journal of Applied Entomology, 142: 465-472.
- MALEK R., TATTONI C., CIOLLI M., CORRADINI S., ANDREIS D., IBRAHIM A., **MAZZONI V**., ERIKSSON A., ANFORA G. (2018). Coupling Traditional Monitoring and Citizen Science to Disentangle the Invasion of *Halyomorpha halys*. ISPRS International Journal of Geo-Information, https://doi.org/10.3390/ijgi7050171.
- PEPICIELLO I., CINI A., NIERI R., **MAZZONI V.**, CERVO R. (2018). Adult-larvae vibrational communication in paper wasps: the role of abdominal wagging in *Polistes dominula*. Journal of Experimental Biology 2018 : jeb.186247 doi: 10.1242/jeb.186247.
- NIERI R., **MAZZONI V.** (2018). The reproductive strategy and the vibrational duet of the leafhopper *Empoasca vitis* Göthe. Insect Science DOI: 10.1111/1744-7917.12454.
- IORIATTI C., GUZZON R., ANFORA G., **MAZZONI V**., VILLEGAS T.R., DALTON D.T., WALTON V.M. (2017). *Drosophila suzukii* (Diptera: Drosophilidae) contributes to the development of sour rot in grape. Journal of economic entomology, https://doi.org/10.1093/jee/tox292.

- **MAZZONI V.**, GORDON S.D., NIERI R., KRUGNER R. (2017). Design of a candidate vibrational signal for mating disruption against the glassy-winged sharpshooter, *Homalodisca vitripennis*. Pest Management Science DOI: 10.1002/ps.4619.
- **MAZZONI V.**, POLAJNAR J., BALDINI M., ROSSI STACCONI M.V., ANFORA G., GUIDETTI R., MAISTRELLO L. (2017). Use of substrate-borne vibrational signals to attract the brown marmorated stink bug, *Halyomorpha halys*. Journal of Pest Science, 90(4), 1219-1229.
- NIERI R., **MAZZONI V.**, GORDON S.D., KRUGNER R. (2017). Mating behavior and vibrational mimicry in the glassy-winged sharpshooter, *Homalodisca vitripennis*. Journal of Pest Science 90: 887-899.
- GORDON S.D., SANDOVAL N., **MAZZONI V.**, KRUGNER R. (2017). Mating interference of glassy-winged sharpshooters, *Homalodisca vitripennis*. Entomologia Experimentalis et Applicata 164: 27-34.
- LÒPEZ-FERNÀNDEZ S., **MAZZONI V.**, PEDRAZZOLI F., PERTOT I., CAMPISANO A. (2017). A phloem-feeding insect transfers bacterial endophytic communities between grapevine plants. Frontiers in microbiology 8: 834.
- POLAJNAR J., MAISTRELLO L., BERTARELLA A., **MAZZONI V.** (2016). Vibrational communication of the brown marmorated stink bug (*Halyomorpha halys*). Physiol. Entomol. 41(3): 249-259.
- ROSSI STACCONI M.V., KAUR R., **MAZZONI V.**, OMETTO L., GRASSI A., GOTTARDELLO A., ROTA STABELLI O., ANFORA G. (2016). Multiple lines of evidence for reproductive winter diapause in the invasive pest Drosophila suzukii: useful clues for control strategies. J. Pest Science 89(3): 689-700.
- POLAJNAR J., ERIKSSON A., VIRANT-DOBERLET M., **MAZZONI V.** (2016). Mating disruption of a grapevine pest using mechanical vibration: from laboratory to the field. J. Pest Science. 89(4): 909-921.
- PERTOT I., CAFFI T., ROSSI V., MUGNAI L., HOFFMANN C., GRANDO M. S., GARY C., LAFOND D., DUSO C., THIERY D., **MAZZONI V**., ANFORA G. (2016). A critical review of plant protection tools for reducing pesticide use on grapevine and new perspectives for the implementation of IPM in viticulture. Crop Protection (in press).
- BEN MOUSSA I.E., **MAZZONI V.**, VALENTINI F., YASEEN T., LORUSSO D., SPERANZA S., DIGIARO M., VARVARO L., KRUGNER R., D'ONGHIA A.M. (2016). Seasonal Fluctuations of Sap-Feeding Insect Species Infected by Xylella fastidiosa in Apulian Olive Groves of Southern Italy. Journal of Economic Entomology, 109 (4): 1512-1518.
- GEMENO C., BALDO G., NIERI R., VALLS J., ALOMAR O., **MAZZONI V.** (2015). Substrate-Borne Vibrational Signals in Mating Communication of Macrolophus Bugs. J. Insect Behavior 1-17. DOI:10.1007/s10905-015-9518-0
- IORIATTI C., WALTON V., DALTON D., ANFORA G., GRASSI A., MAISTRI S., **MAZZONI V.** (2015). Drosophila suzukii (Diptera: Drosophilidae) and Its Potential Impact to Wine Grapes During Harvest in Two Cool Climate Wine Grape Production Regions. J. Econom. Entomol. 108(3) DOI:10.1093/jee/tov042
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