Manuela Rebora Curriculum (July 2021)

PERSONAL INFORMATION

Name: **Manuela Rebora**, Place and DOB: Genova, July 12,1969, Nationality: Italian, Current Position: Associate Professor (SSD BIO/05-Zoologia) at the Dept. of Chemistry, Biology and Biotechnology,
Address: Dipartimento di Chimica, Biologia e Biotecnologie, University of Perugia. Via Elce di Sotto, 8 06123 Perugia, Italy.
E-mail: manuela.rebora@unipg.it; tel: +39 075-5855722; mobile: +39 5245320Fax: +39 075-5855733.

EDUCATION

Mar 10, 1999. Ph.D. degree in Agricultural Entomology. University of Perugia.
Jun 9 1993. "Laurea" (Master's Degree) in Biological Sciences. University of Genova.

PROFESSIONAL CAREER

Jan 2017. National Scientific Qualification (*Abilitazione Scientifica Nazionale*) as Full Professor of Zoology SSD BIO/05 (Settore concorsuale 05/B1).
November 2015-present. Associate Professor (SSD BIO/05-Zoologia) at the Dept. of Chemistry, Biology and Biotechnology.
Jan 13 2014. National Scientific Qualification (*Abilitazione Scientifica Nazionale*) as Associate Professor of Zoology SSD BIO/05 (Settore concorsuale 05/B1).
January 2005-October 2015. Permanent Researcher (SSD BIO/05) at the Dept. of Chemistry, Biology and Biotechnology (formerly Department of Cellular and Environmental Biology).
2003. Post-doctoral scholarship at the Department of Cellular and Environmental Biology at the University of Perugia with the project “The sensory structures of Odonata”.
1999-2002. Temporary research assistance at the Department of Cellular and Environmental Biology (DBCA) at the University of Perugia with the project ”The sensory systems of Ephemeroptera”.
1996-1999. Ph.D. student in “Agricultural Entomology” at the University of Perugia.
1992-1993 Undergraduate Internship at the Zoology Institute of the University of Genova.

INTERNATIONAL EXPERIENCE

2019 July DAAD scholarship Funding programme/-ID: Research Stays for University Academics and Scientists, 2019 (57440915) at the Department of Functional Morphology and Biomechanics, University of Kiel (Germany)
2018 December Erasmus grant for training at the Department of Functional Morphology and Biomechanics, University of Kiel (Germany)– Staff mobility for training assignment (STA) AA: 2018/2019
2018 July STSM grant CA 15216 at the Department of Functional Morphology and Biomechanics, University of Kiel (Germany) STSM title: Attachment ability on vertical and horizontal rods in the stink bug *Nezara viridula* (Heteroptera: Pentatomidae): role of different attachment devices and tarsal fluids
2017 December. Erasmus grant for training at the Department of Functional Morphology and Biomechanics, University of Kiel (Germany)– Staff mobility for training assignment (STA) AA: 2017/2018
2017 June. Research activity for 14 days at the Zoological Institute: Functional Morphology and Biomechanics University of Kiel (Germany)
2016 December. Erasmus grant for training at the Department of Functional Morphology and Biomechanics, University of Kiel (Germany)– Staff mobility for training assignment (STA) AA: 2016/2017
2016-July. Research activity for 14 days at the Zoological Institute: Functional Morphology and Biomechanics University of Kiel (Germany)
2016 January. Erasmus grant for training at the Angers University –INRA (France) – Staff mobility for training assignment (STA) AA: 2015/2016
2015 May. Erasmus grant for training at the Department of Functional Morphology and Biomechanics, University of Kiel (Germany)– Staff mobility for training assignment (STA) AA: 2014/2015

2013 December. Erasmus Professor - Erasmus grant for teaching at the Department of Functional Morphology and Biomechanics, University of Kiel (Germany)– Staff mobility for teaching assignment (STA) AA: 2013/2014
2013 April. . Erasmus Professor at Universidad de Vigo (Spain)– Staff mobility for teaching assignment (STA) AA: 2012/2013
April-July 1997 (4 months). Stage at the Rothamsted Experimental Station (Harpenden, UK) to work on insect pheromones.
April 1994 (1 month) Stage at CEAB (Centre D'Estudis Avançats de Blanes-Barcellona, Spain) on aquatic insects communities .

PARTICIPATION TO NATIONAL AND INTERNATIONAL RESEARCH PROJECTS

2020-2026 Progetto Life Integrato IMAGINE UMBRIA, Integrated MAnagement and Grant Investments for the N2000 NEtwork in Umbria
2017-19 Progetto Fondo d'Ateneo per la ricerca di base 2018: Plant-herbivore interactions: an integrated view of the attack strategy of Pentatomid insects and the plant defence responses. Resp. Prof. Piersanti S.
2018 ECOST (European Cooperation in Science and Technology) Partecipant ENBA COST Action CA15216 "European Network of Bioadhesion Expertise"
2015 Coordinator of the project "Tratti bio-ecologici chiave in una specie invasiva: *Procambarus clarkii* Funded by University of Perugia (Ricerca di base 2014)
2014-2017 "Life13 NAT/IT/000371 - La strategia Umbra per Natura 2000 – SUNLIFE"
2015 Progetto Fondazione Cassa di Risparmio di Perugia. Meccanismi di risposta delle piante alla siccità e all'attacco di insetti erbivori nel contesto dei cambiamenti climatici. Resp. Prof. Pasqualini S.
2010 Progetto FIRB: A new insight in chemical ecology of insects: role of chemical cues in "visual dependent insects" (Una nuova prospettiva nell'ecologia chimica degli insetti: l'olfatto nelle libellule), P.I. Dott.Piersanti S.
2009/2010 DNA SEQUENCING GENOSCOPE, Institut de Génomique CEA/DSV, CP 5706, 91057 Evry Cedex (France) Project title "Antennal ESTs from basal lineages of insects with derived life styles: understanding the evolution of an atypical insect-specific class of receptors – the olfactory receptors" P.I. Emmanuelle Jacquin-Joly, Unit Resp. Manuela Rebora
2007-2010 Progetto FISR "Modello integrato per l'evoluzione degli ecosistemi naturali e agricoli in relazione ai cambiamenti climatici nell'area mediterranea (M.I.C.E.N.A.)" P.I. Prof. Sediari, Unit Resp. Prof. Panara F.
1999 Progetto PRIN: "Interazioni ecologiche e biochimiche tra biosistemi acquatici e substrati naturali" P.I.. Prof. Cattaneo R., Unit Resp. Prof. Gaino E.
2011 Progetto Fondazione Cassa di Risparmio di Perugia. "La suinicoltura nel territorio di Marsciano: progetto pilota per la sostenibilità ambientale della zootecnia in Umbria". P.I. Prof. Gaino E.
2010 Progetto Fondazione Cassa Di Risparmio Perugia dal titolo "La zanzara tigre nel territorio perugino: nuovi aspetti bio-ecologici e sanitari" P.I. Prof. Cenci Goga B.
2008 Progetto Fondazione Cassa Di Risparmio Perugia dal titolo "Criticità della risorsa idrica e innalzamento della temperatura nel Lago Trasimeno: strategie d'intervento" P.I. Prof. Gaino E.
1999 Progetto di Ateneo dell'Università di Perugia: "Biodiversità ed effetti dello stress ambientale sui popolamenti di un sistema regolato: il Lago di Piediluco" P.I. Prof. Gaino E.

TEACHING

2014-present. Perugia's University Lecturer: "Entomology" of the master degree course in "Environmental Sciences and Technologies (Scienze e Tecnologie Naturalistiche e Ambientali)".
2012-present. Perugia's University Lecturer: "Animal Biology for Biotechnology" of the first level degree course in "Biotechnology (Biotecnologie)"
2005-present. Perugia's University Lecturer: "Ethology" of the master degree course in "Environmental Sciences and Technologies (Scienze e Tecnologie Naturalistiche e Ambientali)".
2011-2013. Perugia's University Lecturer: "Electron Microscopy Technique" of the first level degree course in "Techniques of medical laboratory (Tecniche di laboratorio biomedico)".
2007-2011. Perugia's University Lecturer: "General Zoology" of the first level degree course in "Biology (Biologia)".

OTHERS

2019-present Associate Editor of Scientific Reports.
2014-present Member of the Advisory board of Arthropod Structure & Development (Elsevier).
January 2014-2019. Member of the Commissione Paritetica of the Department of Chemistry, Biology and Biotechnology
January 2014-December 2019. Member of the "Giunta di Dipartimento" of the Department of Chemistry, Biology and Biotechnology
2013-present. Member of the Board of Professors (Collegio di Dottorato) of the PhD course in Biotecnology
2007-2013 Member of the Board of Professors (Collegio di Dottorato) of the PhD course in Animal Biology and Ecology.
2001-present. Member of the Professional Society Unione Zoologica Italiana.
2013. Organization of the VI Convegno Nazionale "Le libellule in Italia" 16-17 March 2013 Trevi (Perugia).
2001. Organization of the "2001 International Joint Meeting on Ephemeroptera and Plecoptera" - Perugia 5/11 August 2001

INTERNATIONAL COLLABORATIONS

--**Stanislav Gorb**, Zoological Institute: Functional Morphology and Biomechanics, Christian Albrechts Universität, Kiel (Germany)
-**Sylvia Anton**, INRA, University of Angers, (France)
-**Bill Hansson, Jurgen Rybak**, Department of Evolutionary Neuroethology, Max Planck Institute for Chemical Ecology, Jena (Germany)
-**Adolfo Cordero Rivera** Grupo de Ecoloxía Evolutiva e da Conservación, Departamento de Ecoloxía e Bioloxía Animal, Universidade de Vigo, Pontevedra, (Spain)
-**J. Manuel Tierno de Figueroa** Departamentos de Ecología, Zoología y Botánica de la Facultad de Ciencias, Universidad de Granada (Spain).
-**Tor Jorgen Almaas**, Department of Biology, Norwegian University of Science and Technology, Trondheim (Norwey)

RESEARCH FIELD

-functional morphology and sensory biology of aquatic insects
-functional morphology of insect attachment devices and insect attachment ability

SCIENTIFIC PRODUCTION

She published 75 publications on ISI journals, 2 on non ISI journals, 9 book chapters and numerous conference proceedings.
One of the publications has been the object of an article on Science Now (Dragonflies Lack 'Smell Center,' but Can Still Smell, March 2014).

RESEARCHERID: http://www.researcherid.com/rid/G-9840-2012
ORCID: http://orcid.org/0000-0002-4271-6336

ISI JOURNALS PUBBLICATIONS

1. Gaino E., **Rebora M.**, 1995. Comparative study of the mating apparatus of three species of Leptophlebiidae (Ephemeroptera). *Aquatic Insects* 17(2):95-104.
2. Gaino E., **Rebora M.**, 1996. Fine structure of flat-tipped antennal sensilla in three species of mayflies (Ephemeroptera). *Invertebrate Biology*, 115(2): 145-149.
3. Gaino E., **Rebora M.**, 1998. Ultrastructure of the antennal sensilla of the mayfly *Baetis rhodani* (Pictet) (Ephemeroptera: Baetidae). *International Journal of Insect Morphology & Embryology* 27(2): 143-149.

4. Gaino E., **Rebora M.**, 1998. Contribution to the study of *Enterocystis racovitzai*, a gregarine parasite of *Baetis rhodani* (Ephemeroptera, Baetidae) *Acta Protozoologica* 37: 125-131.
5. Gaino E., **Rebora M.**, 1999. Flat-tipped sensillum in Baetidae (Ephemeroptera): a microcharacter for taxonomic and phylogenetic considerations. *Invertebrate Biology* 118(1): 68-74.
6. Gaino E., **Rebora M.**, 1999. Larval antennal sensilla in water-living insects. *Microscopy Research & Technique* 47:440-457.
7. Gaino E., **Rebora M.**, 2000. Malpighian tubules of the nymph of *Baetis rhodani* (Ephemeroptera, Baetidae). *Italian Journal of Zoology* 67: 31-38.
8. Gaino E., **Rebora M.**, 2000. *Ophryoglena sp*. (Ciliata, Oligohymenophora) in *Caenis luctuosa* (Ephemeroptera, Caenidae). *Acta Protozoologica* 39:225-231.
9. Gaino E., **Rebora M.**, 2000. The duct connecting Malpighian tubules and gut: an ultrastructural and comparative analysis in some Ephemeroptera nymphs. *Zoomorphology* 120: 99-106.
10. Gaino E., **Rebora M.**, 2001. Synthesis and function of the fibrous layers covering the eggs of *Siphlonurus lacustris* (Ephemeroptera, Siphlonuridae). *Acta Zoologica* 82:41-48.
11. Gaino E., Sartori M., **Rebora M.**, 2001. Chorionic fine structure of eggs from some species of *Proboscidoplocia* (Ephemeroptera: Ephemeroidea). *Italian Journal of Zoology* 68:1-8.
12. Gaino E., **Rebora M.**, 2001. Apical antennal sensilla in nymphs of *Libellula depressa* (Odonata: Libellulidae). *Invertebrate Biology* 120:162-169.
13. Gaino E., **Rebora M.**, 2002. Sensory Receptors on the Forceps of the male *imago* and *subimago* of *Ecdyonurus venosus* (Ephemeroptera: Heptageniidae). *Annals of the Entomological Society of America* 95(2): 244-249.
14. Gaino E., Cianficconi F., **Rebora M.**, Todini B., 2002. Case-building of some Trichoptera larvae in experimental conditions: selectivity for calcareous and siliceous grains. *Italian Journal of Zoology* 69:141-145.
15. Gaino E., **Rebora M.**, 2003. Ability of mobile cells of the freshwater sponge *Ephydatia fluviatilis* (Porifera, Demospongiae) to digest diatoms. *Italian Journal of Zoology* 70:17-22.
16. Gaino E., **Rebora M.**, Corallini C., Lancioni T., 2003. The life-cycle of the sponge *Ephydatia fluviatilis* (L.) living on the reed *Phragmites australis* in an artificially regulated lake. *Hydrobiologia* 495:127-142.
17. Gaino E., **Rebora M.**, 2003. Detection of apoptosis in the ovarian follicle cells of *Ecdyonurus venosus* (Ephemeroptera, Heptageniidae). *Italian Journal of Zoology* 70:291-295.
18. **Rebora M.**, Piersanti S., Gaino E., 2004. Visual and mechanical cues used for prey detection by the larva of *Libellula depressa* (Odonata, Libellulidae). *Ethology, Ecology & Evolution* 16:133-144.
19. Gaino E., **Rebora M.**, 2005. Egg envelopes of *Baetis rhodani* and *Cloeon dipterum* (Ephemeroptera, Baetidae): a comparative analysis between an oviparous and an ovoviviparous species. *Acta Zoologica* 86:63-69.
20. **Rebora M.**, Lucentini L., Palomba A., Panara F., Gaino G., 2005. Genetic differentiation among populations of *Baetis rhodani* (Ephemeroptera: Baetidae) in three Italian streams. *Italian Journal of Zoology* 72:121-126.
21. Gaino E., Sciscioli M., Lepore E., **Rebora M.**, Corriero G., 2006. Association of the sponge *Tethya orphei* (Porifera, Demospongiae) with filamentous cyanobacteria. *Invertebrate Biology* 125(4):281-287.
22. **Rebora M.**, Piersanti S., Salerno G., Conti E., Gaino E., 2007. Water deprivation tolerance and humidity response in a larval dragonfly: a possible adaptation for survival in drying ponds. *Physiological Entomology* 32:121-126.
23. Gaino E., Lepore E., **Rebora M.**, Mercurio M., Sciscioli M., 2007. Some steps of spermatogenesis in *Halichondria semitubulosa* (Demospongiae, Halichondriidae). *Italian Journal of Zoology*, 74(2):117-122.
24. Piersanti S., **Rebora M.**, Salerno G., Gaino E., 2007. Behaviour of the larval dragonfly *Libellula depressa* (Odonata Libellulidae) in drying pools. *Ethology, Ecology & Evolution*, 19:127-136.
25. **Rebora M.**, Piersanti S., Almaas T., Gaino E., 2007. Hygroreceptors in the larva of *Libellula depressa* (Odonata: Libellulidae). *Journal of Insect Physiology* 53:550-558.

26. Gaino E., Piersanti S., **Rebora M**., 2007. Ultrastructural organization of the larval spiracles of *Libellula depressa* (Odonata, Libellulidae). *Odonatologica* 36(4):373-379.
27. Gaino E., Piersanti S., **Rebora M**., 2008. Egg envelope synthesis and chorion modification after oviposition in the dragonfly *Libellula depressa* (Odonata, Libellulidae). *Tissue & Cell* 40:317-324.
28. **Rebora M.**, Piersanti S., Gaino E., 2008. The antennal sensilla of the adult of *Libellula depressa* (Odonata, Libellulidae). *Arthropod Structure & Development* 37:504-510.
29. Gaino E., Piersanti S., **Rebora M.** 2009. Cuticular and sensory structures on the copulatory apparatus of *Rhithrogena semicolorata* (Ephemeroptera: Heptageniidae). *Aquatic Insects* 31 (Suppl.1):507-513.
30. Gaino E., Piersanti S., **Rebora M.,** 2009. The oviposition mechanism in *Habrophlebia eldae*: (Ephemeroptera, Leptophlebiidae). *Aquatic Insects* 31 (Suppl.1):515-522.
31. **Rebora M.,** Piersanti S., Gaino E. 2009 The antennal sensilla of adult mayflies: *Rhithrogena semicolorata* as a case study. *Micron* 40:571-576.
32. **Rebora M.,** Piersanti S., Gaino E., 2009. A comparative investigation of the antennal sensilla of adult Anisoptera. *Odonatologica* 38(4):329-340.
33. Piersanti S., **Rebora M.**, Gaino E., 2010. A Scanning Electron Microscope study of the antennal sensilla of adult damselflies (Odonata: Zygoptera). *Odonatologica* 39(3):235-241.
34. **Rebora M.,** Piersanti S., Gaino E., 2010. The lateral protrusions of the head of the stonefly larva *Leuctra* cf. *signifera* (Plecoptera; Leuctridae). *Aquatic Insects* 32 (4):259-264.
35. Lucentini L., **Rebora M**., Puletti M. E., Gigliarelli L., Fontaneto D., Gaino E., Panara F., 2011. Geographical and seasonal evidence of cryptic diversity in the *Baetis rhodani* complex (Ephemeroptera, Baetidae) revealed by means of DNA taxonomy. *Hydrobiologia*, 673:215–228.
36. Piersanti S., **Rebora M.**, Almaas T., Salerno G., Gaino E., 2011. Electrophysiological identification of thermo- and hygro-sensitive receptor neurons on the antennae of the dragonfly *Libellula depressa*. *Journal of Insect Physiology* 57:1391-1396.
37. Gaino E., Scoccia F., Piersanti S., **Rebora M.**, Bellucci L.B., Ludovisi A., 2012. Spicule records of *Ephydatia fluviatilis* as a proxy for hydrological and environmental changes in the shallow Lake Trasimeno (Umbria, Italy). *Hydrobiologia*, 679:139-153.
38. **Rebora M.,** Salerno G., Piersanti S., Dell'Otto A. Gaino E., 2012. Olfaction in dragonflies: an electrophysiological evidence. *Journal of Insect Physiology,* 58(2):270-277.
39. La Porta G., Dell'otto A., Speziale A., Goretti E., **Rebora M.,** Piersanti S., Gaino E., 2013. Odonata biodiversity in some protected areas of Umbria, Central Italy. *Odonatologica*, 42(2):125-137.
40. **Rebora M.,** Piersanti S., Dell'Otto A., Gaino E., 2013. The gustatory sensilla on the endophytic ovipositor of Odonata. *Arthropod Structure & Development,* 42(2):127-134.
41. **Rebora M.,** Dell'Otto A., Rybak J., Piersanti S., Gaino E., Hansson B.S. 2013. The antennal lobe of *Libellula depressa* (Odonata, Libellulidae). *Zoology,* 116:205-214.
42. **Rebora M.,** Piersanti S., Gaino E., 2013. The mechanoreceptors on the endophytic ovipositor of the dragonfly *Aeshna cyanea* (Odonata, Aeshnidae**).** *Arthropod Structure & Development,* 42:369-378.
43. Piersanti S., Frati F., Conti E., Gaino E., **Rebora M.,** Salerno G., 2014. First evidence of the use of olfaction in Odonata behaviour. *Journal of Insect Physiology,* 62:26-31.
44. **Rebora M.,** Gaino E., Piersanti S., 2014. The epipharyngeal sensilla of the damselfly *Ischnura elegans* (Odonata, Coenagrionidae). *Micron*, 66:31-36.
45. Piersanti S., Frati F., Conti E., **Rebora M.,** Salerno G., 2014. The sense of smell in Odonata: an electrophysiological screening. *Journal of Insect Physiology*, 70:49-58.
46. Piersanti S., **Rebora M.,** Salerno G., Frati F., 2015. A method for rearing a large number of damselflies (*Ischnura elegans*, Coenagrionide) in the laboratory. *International Journal of Odonatology*, 18: 125-136.
47. **Rebora M.,** Piersanti S., Salerno G., Gorb S., 2015. The Antenna of a burrowing dragonfly larva, *Onychogomphus forcipatus* (Anisoptera,Gomphidae). *Arthropod Structure & Development,* 44: 595-603.
48. Frati, F., Piersanti, S., Conti, E., **Rebora, M.**, Salerno, G. 2015. Scent of a Dragonfly: Sex Recognition in a Polymorphic Coenagrionid. Plos One, 10(8), e0136697. http://doi.org/10.1371/journal.pone.0136697

49. Piersanti S., Frati F., **Rebora M.,** Salerno G. 2016. Carbon dioxide detection in adult Odonata. *Zoology*, 119:137-142.
50. Frati, F., Piersanti, S., **Rebora, M.**, Salerno, G. 2016. Volatile cues can drive the oviposition behavior in dragonflies. *Journal of Insect Physiology*, 91-92, 34-38.
51. **Rebora, M**., Tierno de Figueroa, J.M., Piersanti, S. 2016. Antennal sensilla of the stonefly *Dinocras cephalotes* (Plecoptera: Perlidae). *Arthropod Structure & Development,* 45(6), 552-561.
52. **Rebora M.**, Piersanti S., Frati F., Salerno, G. 2017. Antennal responses to volatile organic compounds in a stonefly. *Journal of Insect Physiology*, 98, 231-237.
53. Piersanti, S., **Rebora, M**., López-Rodríguez, J.M., Tierno de Figueroa, J.M. 2017. A comparison between the adult antennal sensilla of the cavernicolous stonefly *Protonemura gevi* and other epigean *Protonemura* species (Plecoptera: Nemouridae) in a biological context. *Annales de la Société Entomologique de France*, 53(1), 47-54.
54. Salerno, G., **Rebora, M.**, Gorb, E., Kovalev, A., Gorb, S. 2017. Attachment ability of the southern green stink bug *Nezara viridula* (Heteroptera: Pentatomidae). *Journal of Comparative Physiology. A*, 203(8), 601-611.
55. Piersanti, S., **Rebora, M**., 2018. The antennae of damselfly larvae. *Arthropod Structure & Development,* 47(1):36-44.
56. **Rebora, M.**, Frati, F., Piersanti, S., Salerno, G., Selvaggini, R., Fincke, O.M. 2018. Field tests of multiple sensory cues in sex recognition and harassment of a colour polymorphic damselfly. *Animal Behaviour*, 136, 127–136. http://doi.org/10.1016/j.anbehav.2017.12.015
57. **Rebora, M.**, Michels, J., Salerno, G., Heepe, L., Gorb, E., Gorb, S. 2018.Tarsal attachment devices of the southern green stink bug *Nezara viridula* (Heteroptera: Pentatomidae). *Journal of Morphology*, DOI: 10.1002/jmor.20801.
58. Piersanti, S., Pallottini, M., Salerno, G., Goretti, E., Elia A.M, Dörr, A.J.M., **Rebora, M**. 2018. Resistance to dehydration and positive hygrotaxis in the invasive red swamp crayfish *Procambarus clarkii*. *Knowledge & Management of Aquatic Ecosystems*, 419, 36.
59. Salerno, G., **Rebora, M**., Kovalev, A., Gorb, E., Gorb, S. 2018. Contribution of different tarsal attachment devices to the overall attachment ability of the stink bug *Nezara viridula*. *Journal of Comparative Physiology*, 204 (7), 627-638
60. Salerno G., **Rebora M.**, Gorb E., Gorb S., 2018. Attachment ability of the polyphagous bug *Nezara viridula* (Heteroptera: Pentatomidae) to different host plant surfaces. *Scientific Reports* 8, 10975.
61. **Rebora M**., Salerno G, Piersanti S, Michels J., Gorb S. 2019. Structure and biomechanics of the antennal grooming mechanism in the southern green stink bug *Nezara viridula*. *Journal of Insect Physiology* 112:57–67. doi: 10.1016/j.jinsphys.2018.12.002
62. Ederli L., Salerno G., Bianchet C., **Rebora M**., Piersanti S., Pasqualini S. (2019). *Eurydema oleracea* negatively affects defenses in Arabidopsis by inducing salicylic acid-mediated signaling pathway.. ARTHROPOD-PLANT INTERACTIONS, vol. 14, p. 139-148, ISSN: 1872-8855, doi: 10.1007/s11829-019-09728-6
63. Costarelli A., Bianchet C., Ederli L., Salerno G., Piersanti S., **Rebora M**., Pasqualini S. (2020). Salicylic acid induced by herbivore feeding antagonizes jasmonic acid mediated plant defenses against insect attack. PLANT SIGNALING & BEHAVIOR, vol. 15, ISSN: 1559-2324, doi: 10.1080/15592324.2019.1704517
64. Piersanti S., **Rebora M**., Ederli L., Pasqualini S., Salerno G. (2020). Role of chemical cues in cabbage stink bug host plant selection. JOURNAL OF INSECT PHYSIOLOGY, vol. 120, ISSN: 0022-1910, doi: 10.1016/j.jinsphys.2019.103994
65. Salerno G., **Rebora M**., Kovalev A., Gorb E., Gorb S. (2020). Kaolin nano-powder effect on insect attachment ability. JOURNAL OF PEST SCIENCE, vol. 93, p. 315-327, ISSN: 1612-4758, doi: 10.1007/s10340-019-01151-3
66. Salerno G., **Rebora M**., Piersanti S., Gorb E., Gorb S. (2020). Mechanical ecology of fruit-insect interaction in the adult Mediterranean fruit fly Ceratitis capitata (Diptera: Tephritidae). ZOOLOGY, vol. 139, ISSN: 0944-2006, doi: 10.1016/j.zool.2020.125748

67. **Rebora M**., Salerno G., Piersanti S., Gorb E., Gorb S. (2020). Role of fruit epicuticular waxes in preventing *Bactrocera oleae* (Diptera: Tephritidae) attachment in different cultivars of Olea europaea. INSECTS, vol. 11, ISSN: 2075-4450, doi: 10.3390/insects11030189
68. **Rebora M**., Salerno G., Piersanti S., Gorb E., Gorb S. (2020). Entrapment of *Bradysia paupera* (Diptera: Sciaridae) by *Phaseolus vulgaris* (Fabaceae) plant leaf. ARTHROPOD-PLANT INTERACTIONS, vol. 14, p. 499-509, ISSN: 1872-8855, doi: 10.1007/s11829-020-09760-
69. Piersanti S., **Rebora M**., Salerno G., Anton S. (2020). The antennal pathway of dragonfly nymphs, from sensilla to the brain. INSECTS, vol. 11, p. 1-15, ISSN: 2075-4450, doi: 10.3390/insects11120886
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