

Bulletin of Insectology Supplemental Material

Title: Report on a project: GEISCA

Author: Stefano MAINI

Bulletin of Insectology, Volume 71 June 2018 page 150

List of papers published in international journals and proceedings following the support of GEISCA project

ABBES K., BIONDI A., KURTULUS A., RICUPERO M., RUSSO A., SISCARO G., CHERMITI B., ZAPPALÀ L., 2015.- Combined non-target effects of insecticide and high temperatures on the parasitoid *Bracon nigricans*.- *PLoS ONE*, 10 (9): e0138411.

AMIRESMAEILI N., COLOMBO M., LUPI D., 2015.- Spotted wing *Drosophila*: notes on dynamics in Lombardy (Italy) and susceptibility of some small fruits, p. 98. In: *XX Proceeding book. Workshop on the Development in the Italian PhD Research on Food Science, Technology and Biotechnology*, 23-25 September 2015, Perugia, Italy.

AMIRESMAEILI N., COLOMBO M., LUPI D., 2015.- Impact of high temperature on *Trichopria drosophilae* (Perkins, 1910) (Hymenoptera: Diapriidae), p. 10. In: *European PhD Network in "Insect Science" - 6th Annual Meeting and SEI-SIPaV Joint Workshop*, 11-13 November 2015, Florence, Italy.

ASPLEN M. K., ANFORA G., BIONDI A., CHOI D.-S., CHU D., DAANE K. M., GIBERT P., GUTIERREZ A. P., HOELMER K. A., HUTCHISON W. D., ISAACS R., JIANG Z.-L., KARPATI Z., KIMURA M. T., PASCUAL M., PHILIPS C. R., PLANTAMP C., PONTI L., VETEK G., VOGT H., WALTON V. M., YU Y., ZAPPALÀ L., DESNEUX N., 2015.- Invasion biology of spotted wing *Drosophila* (*Drosophila suzukii*): a global perspective and future priorities.- *Journal of Pest Science*, 88: 469-494.

BELLA S., RAPISARDA C., 2013.- First record from Greece of the invasive red gum lerp psyllid *Glycaspis brimblecombei* Moore (Hemiptera Psyllidae) and its associated parasitoid *Psyllaephagus bliteus* Riek (Hymenoptera Encyrtidae).- *Redia*, 96: 33-35.

BEN ATTIA S., RAPISARDA C., 2014.- First record of the red gum lerp psyllid, *Glycaspis brimblecombei* Moore (Hemiptera Psyllidae), in Tunisia.- *Phytoparasitica*, 42: 535-539.

BENELLI M., LEATHER S. R., FRANCATI S., MARCHELLI E., DINDO M. L., 2015.- Effect of two temperatures on biological traits and susceptibility to a pyrethroid insecticide in an exotic and native coccinellid species.- *Bulletin of Insectology*, 68: 23-29.

BERNARDO U., VAN NIEUKERKEN E. J., SASSO R., GEBIOLA M., GUALTIERI L., VIGGIANI G., 2015.- Characterization, distribution, biology and impact on Italian walnut orchards of the invasive North-American leafminer *Coptodisca lucifluella* (Lepidoptera: Heliozelidae).- *Bulletin of Entomological Research*, 105: 210-224.

BIONDI A., DESNEUX N., AMIENS-DESNEUX E., SISCARO G., ZAPPALÀ L., 2013.- Biology and developmental strategies of the Palaearctic parasitoid *Bracon nigricans* (Hymenoptera: Braconidae) on the Neotropical moth *Tuta absoluta* (Lepidoptera: Gelechiidae).- *Journal of Economic Entomology*, 106: 1638-1647.

BIONDI A., ZAPPALÀ L., STARK J. D., DESNEUX N., 2013.- Do biopesticides affect the demographic traits of a parasitoid wasp and its biocontrol services through sublethal effects?- *PLoS ONE*, 8 (9): e76548.

BIONDI A., ZAPPALÀ L., DESNEUX N., APARO A., SISCARO G., RAPISARDA C., MARTIN T., TROPEA GARZIA G., 2015.- Potential toxicity of α -cypermethrin-treated net on *Tuta absoluta* (Lepidoptera: Gelechiidae).- *Journal of Economic Entomology*, 108 (3): 1191-1197.

BIONDI A., ZAPPALÀ L., DI MAURO A., TROPEA GARZIA G., RUSSO A., DESNEUX N., SISCARO G., 2016.- Can alternative host plant and prey affect phytophagy and biological control by the zoophytophagous mirid *Nesidiocoris tenuis*?- *Bio-Control*, 61: 79-90

BIONDI A., WANG X., MILLER J. C., MILLER B., SHEARER P. W., ZAPPALÀ L., SISCARO G., WALTON V. W., HOELMER K. A., DAANE K. M., 2017.- Innate olfactory responses of *Asobara japonica* toward fruits infested by the invasive spotted wing drosophila.- *Journal of Insect Behavior*, 30: 495-506.

BODINO N., FERRACINI C., TAVELLA L., 2015.- Host selection and functional response of *Necremnus tutae* (Hymenoptera: Eulophidae), a native parasitoid of the tomato pest *Tuta absoluta* (Lepidoptera: Gelechiidae) in Mediterranean area, p. 91. In: *Proceedings of the 4th International Entomophagous Insect Conference*, 4-9 October 2015, Malaga, Spain.

BODINO N., FERRACINI C., TAVELLA L., 2016.- Is host selection influenced by natal and adult experience in the parasitoid *Necremnus tutae* (Hymenoptera: Eulophidae)?- *Animal Behaviour*, 112: 221-228.

BONSIGNORE P. C., BERNARDO U., 2018.- Effects of environmental parameters on the chestnut gall wasp and its complex of indigenous parasitoids.- *The Science of Nature*, 105: 20.

CALECA V., BELLA S., LA PERGOLA A., LOMBARDO A., LO VERDE G., MALTESE M., NUCIFORA S., RIZZO R., SUMA P., TORTORICI F., RAPISARDA C., 2018.- Environmental factors and incidence of parasitism of *Psyllaephagus bliteus* Riek (Hymenoptera, Encyrtidae) on populations of *Glycaspis brimblecombei* Moore (Hemiptera, Aphalaridae) in Mediterranean climatic areas.- *Redia*, in press.

DAANE K. M., WANG X.-G., BIONDI A., MILLER B., MILLER J. C., RIEDL H., SHEARER P. W., GUERRIERI E., GIORGINI M., BUFFINGTON M., VAN ACHTERBERG K., SONG Y., KANG T., YI H., JUNG C., LEE D. W., CHUNG B.-K., HOELMER K. A., WALTON V. M., 2016.- First exploration of parasitoids of *Drosophila suzukii* in South Korea as potential classical biological agents.- *Journal of Pest Science*, 89: 823-835.

DE GRAZIA A., MARULLO R., FREY J. E., 2015.- Preliminary results of molecular polymorphism in field populations of *Thrips tabaci* Lindeman (Thysanoptera: Thripidae) occurring on onion crops in South Italy.- *Die Bodenkultur*, 66 (3-4): 13-16.

DE GRAZIA A., MARULLO R., MORITZ G., 2016.- Molecular diagnosis of native and quarantine pest thrips (Thysanoptera, Thripidae) of southern European citrus orchards.- *Bulletin of Insectology*, 69: 1-6.

- DINDO M. L., FRANCATI S., LANZONI A., DI VITANTONIO C., MARCHETTI E., BURGIO G., MAINI S., 2016.- Interactions between the multicolored Asian lady beetle *Harmonia axyridis* and the parasitoid *Dinocampus coccinellae*.- *Insects*, 7 (4): 67.
- FACCOLI M., FAVARO R., SMITH M. T., WU J., 2015.- Life history of the Asian longhorn beetle *Anoplophora glabripennis* (Coleoptera Cerambycidae) in southern Europe.- *Agricultural and Forest Entomology*, 17: 188-196.
- FAVARO R., WICHMANN L., RAVN H. P., FACCOLI M., 2015.- Spatial spread and infestation risk assessment in the Asian longhorned beetle, *Anoplophora glabripennis*.- *Entomologia Experimentalis et Applicata*, 155: 95-101.
- FAVARO R., LUPI D., JUCKER C., CAPPELLOZZA S., FACCOLI M., 2017.- An artificial diet for rearing three exotic longhorn beetles invasive to Europe.- *Bulletin of Insectology*, 70 (1): 91-99.
- FERRACINI C., FERRARI E., PONTINI M., NOVA L. K. H., SALADINI M. A., ALMA A., 2017.- Post-release evaluation of non-target effects of *Torymus sinensis*, the biological control agent of *Dryocosmus kuriphilus* in Italy.- *BioControl*, 62: 445-456.
- FERRACINI C., BERTOLINO S., BERNARDO U., BONSIGNORE C. P., FACCOLI M., FERRARI E., LUPI D., MAINI S., MAZZON L., NUGNES F., ROCCO A., SANTI F., TAVELLA L., 2018.- Do *Torymus sinensis* (Hymenoptera: Torymidae) and agroforestry system affect native parasitoids associated with the Asian chestnut gall wasp?- *Biological Control*, 121: 36-43.
- FERRARI E., FERRACINI C., SALADINI M. A., PONTINI M., ALMA A., 2015.- Native parasitoid community associated to the Asian chestnut gall wasp in NW Italy, p. 106. In: Proceedings of the 4th International Entomophagous Insect Conference, 4-9 October 2015, Malaga, Spain.
- FRANCATI S., 2015.- Native preimaginal parasitism of *Harmonia axyridis*: new record of association with *Phalactophora fasciata* in Italy.- *Bulletin of Insectology*, 68 (1): 3-6.
- FRANCATI S., ALMA A., FERRACINI C., POLLINI A., DINDO M. L., 2015.- Indigenous parasitoids associated with *Dryocosmus kuriphilus* in a chestnut production area of Emilia Romagna (Italy).- *Bulletin of Insectology*, 68 (1): 127-134.
- GEBIOLA M., LOPEZ-VAAMONDE C., NAPPO A. G., BERNARDO U., 2014.- Did the parasitoid *Pnigalio mediterraneus* (Hymenoptera: Eulophidae) track the invasion of the horse chestnut leafminer?- *Biological Invasions*, 16: 843-857.
- GUALTIERI L., SASSO R., RUSSO E., NUGNES F., GEBIOLA M., BERNARDO U., 2015.- The complex of parasitoids associated with the invasive leafminer *Coptodisca lucifluella*: indigenous species and a case of host-tracking, p. 101. In: 4th International Entomophagous Insects Conference (IEIC4), 4-9 October 2015, Torre del Mar, Málaga, Spain.
- INGEGNO B. L., FERRACINI C., GALLINOTTI D., ALMA A., TAVELLA L., 2013.- Evaluation of the effectiveness of *Dicyphus errans* (Wolff) as predator of *Tuta absoluta* (Meyrick).- *Biological Control*, 67: 246-252.
- INGEGNO B. L., CANDIAN V., PSOMADELIS I., BODINO N., TAVELLA L., 2017.- The potential of host plants for biological control of *Tuta absoluta* by the predator *Dicyphus errans*.- *Bulletin of Entomological Research*, 107: 340-348.
- INGEGNO B. L., CANDIAN V., TAVELLA L., 2017.- Behavioural study on host plants shared by the predator *Dicyphus errans* and the prey *Tuta absoluta*.- *Acta Horticulturae*, 1164: 377-382.
- HAMBY K. A., BELLAMY D. E., CHIU J. C., LEE J. C., WALTON V. M., WIMAN N. G., YORK R. M., BIONDI A., 2016.- Biotic and abiotic factors impacting development, behavior, phenology, and reproductive biology of *Drosophila suzukii*.- *Journal of Pest Science*, 89: 605-619.
- KACAR G., WANG X.-G., BIONDI A., DAANE K. M., 2017.- Linear functional response by two pupal *Drosophila* parasitoids foraging within single or multiple patch environments.- *PLoS ONE*, 12 (8): e0183525.
- LONI A., JUCKER C., BELOKOBILSKIJ S., LUPI D., 2015.- First record of *Rhoptrocentrus spiceus* Marshall (Hymenoptera: Braconidae: Doryctinae) as parasitoid of *Psacothaea hilaris hilaris* (Pascoe) (Coleoptera: Cerambycidae).- *ZooKeys*, 482: 1-8.
- LUPI D., JUCKER C., COLOMBO M., 2013.- Distribution and biology of the yellow-spotted longicorn beetle *Psacothaea hilaris hilaris* (Pascoe) in Italy.- *Bulletin OEPP/EPPO Bulletin*, 43 (2): 316-322.
- LUPI D., BERNARDO U., BONSIGNORE C. P., COLOMBO M., DINDO M. L., FACCOLI M., FERRACINI C., GUALTIERI L., MARULLO R., MAZZON L., SISCARO G., SUMA P., TAVELLA L., MAINI S., 2014.- Insects and globalization: sustainable control of exotic species in Italian agro-forestry ecosystems.- *IOBC/wprs Bulletin*, 100: 87-90.
- LUPI D., JUCKER C., ROCCO A., CAPPELLOZZA S., COLOMBO M., 2015.- Diet effect on *Psacothaea hilaris hilaris* (Coleoptera: Cerambycidae) performance under laboratory conditions.- *International Journal of Agriculture Innovations and Research*, 4 (1): 97-104.
- LUPI D., JUCKER C., ROCCO A., HARRISON R., COLOMBO M., 2015.- Notes on biometric variability in invasive species: the case of *Psacothaea hilaris hilaris* (Pascoe) (Coleoptera, Cerambycidae, Lamiinae).- *Bulletin of Insectology*, 68 (1): 135-145.
- LUPI D., FAVARO R., JUCKER C., AZEVEDO C. O., HARDY I. C. W., FACCOLI M., 2017.- Reproductive biology of *Sclerodermus brevicornis*, a European parasitoid developing on three species of invasive longhorn beetles.- *Biological Control*, 97: 40-48.
- MARGIOTTA M., BELLA S., BUFFA F., CALECA V., FLORIS I., GIORNO V., LO VERDE G., RAPISarda C., SASSO R., SUMA P., TORTORICI F., LAUDONIA S., 2017.- Modeling environmental influences in the *Psyllaephagus bliteus* (Hymenoptera: Encyrtidae) - *Glycaspis brimblecombei* (Hemiptera: Aphalaridae) parasitoid-host system.- *Journal of Economic Entomology*, 110: 491-501.
- MARULLO R., DE GRAZIA A., 2013.- Territorial distribution, classification and relationships amongst Italian Thysanoptera.- *Bulletin of Insectology*, 66: 127-134.
- MARULLO R., DE GRAZIA A., 2015.- The introduced species over the last twenty years in the Italian Thrips Fauna.- *Die Bodenkultur*, 66 (3-4): 27-31.
- MARULLO R., RAVAZZI G., 2016.- The first micropterous species of the southern European genus *Kakothrips* (Thysanoptera: Thripidae).- *Zootaxa*, 4067 (4): 460-462.
- MARULLO R., DE GRAZIA A., 2017.- *Thrips hawaiiensis* a pest thrips from Asia newly introduced into Italy.- *Bulletin of Insectology*, 70 (1): 27-30.
- MARULLO R., RAVAZZI G., 2017.- First description of the male of *Oxythrips tristis* Bagnall (Thysanoptera: Thripidae).- *Zootaxa*, 4299 (1): 131-132.
- MARULLO R., MERCATI F., VONO G., DE GRAZIA A., 2018.- DNA Barcoding: a reliable method for thrips species identification.- *Insect Science*, in press.
- MAZZETTO F., PANSA M. G., INGEVNO B. L., TAVELLA L., ALMA A., 2015.- Monitoring of the exotic fly *Drosophila suzukii* in stone, pome and soft fruit orchards in NW Italy.- *Journal of Asia-Pacific Entomology*, 18: 321-329.
- MAZZETTO F., MARCHETTI E., AMIRESMAEILI N., SACCO D., FRANCATI S., JUCKER C., DINDO M. L., LUPI D., TAVELLA L., 2016.- Field surveys on parasitoids of *Drosophila* spp. in North Italy and laboratory evaluation of their capacity to parasitize *Drosophila suzukii*.- *Journal of Pest Science*, 89: 837-850.
- NASELLI M., URBANEJA A., SISCARO G., JAQUES J. A., ZAPPALÀ L., FLORS V., PÉREZ-HEDO M., 2016.- Stage-related defense response induction in tomato plants by *Nesidiocoris tenuis*.- *International Journal of Molecular Sciences*, 17 (8): 1210.

- NASELLI M., BIONDI A., TROPEA GARZIA G., DESNEUX N., RUSSO A., SISCARO G., ZAPPALÀ L., 2017.- Insights on food webs associated with the South American tomato pinworm.- *Pest Management Science*, 73: 1352-1357.
- NASELLI M., ZAPPALÀ L., GUGLIUZZO A., TROPEA GARZIA G., BIONDI A., RAPISARDA C., CINCOTTA F., CONDURSO C., VERZERA A., SISCARO G., 2017.- Olfactory response of the zoophytophagous mirid *Nesidiocoris tenuis* to tomato and alternative host plants.- *Arthropod-Plant Interactions*, 11: 121-131.
- NUGNES F., GEBIOLA M., MONTI M. M., 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*, 10: e0124660.
- NUGNES F., GEBIOLA M., GUALTIERI L., RUSSO E., SASSO R., BERNARDO U., 2016.- When exotic biocontrol agents travel without passport: first record of *Quadrastichus mendeli*, parasitoid of the blue-gum chalcid *Leptocybe invasa* (Hymenoptera: Eulophidae), in Italy.- *Bulletin of Insectology*, 69: 85-91.
- PONTI L., GILIOLI G., BIONDI A., DESNEUX N., GUTIERREZ A. P., 2015.- Physiologically based demographic models provide guidance for identifying data needs and for streamlining data collection in evidence-based pest risk assessment.- *Bulletin OEPP/EPPO Bulletin*, 45: 317-322.
- RASSATI D., FACCOLI M., BATTISTI A., MARINI L., 2016.- Habitat and climatic preferences drive invasions of non-native ambrosia beetles in deciduous temperate forests.- *Biological Invasion*, 18 (10): 2809-2821.
- SANTI F., RADEGHIERI P., INGA SIGURTÀ G., MAINI S., 2015.- Sex pheromone traps for detection of the invasive box tree moth in Italy.- *Bulletin of Insectology*, 68: 158-160.
- SIGHINOLFI L., FEBVAY G., DINDO M. L., REY M., PAGEAUX J. F., GRENIER S., 2013.- Biochemical content in fatty acids and biological parameters of *Harmonia axyridis* reared on artificial diet.- *Bulletin of Insectology*, 66 (2): 283-290.
- SUMA P., NUCIFORA S., BELLA S., 2014.- New distribution record of the invasive bronze bug *Thaumastocoris peregrinus* Carpintero and Dellapè (Heteroptera, Thaumastocoridae) in Italy.- *Bulletin OEPP/EPPO Bulletin*, 44: 179-182.
- SUMA P., NUCIFORA S., CALECA V., LO VERDE G., TORTORICI F., RAPISARDA C., BELLA S., 2018.- A review on introduced alien insect pests and their associated parasitoids on *Eucalyptus* trees in Sicily.- *Redia*, in press.
- WANG X.-G., KAÇAR G., BIONDI A., DAANE K. M., 2016.- Life-history and host preference of *Trichopria drosophilae*, a pupal parasitoid of spotted wing drosophila.- *BioControl*, 61: 387-397.
- WANG X.-G., KAÇAR G., BIONDI A., DAANE K. M., 2016.- Foraging efficiency and outcomes of interactions of two pupal parasitoids attacking the invasive spotted wing drosophila.- *Biological Control*, 96: 64-71.
- WANG X.-G., STEWART T. J., BIONDI A., CHAVEZ B. A., INGELS C., CAPRILE J., GRANT J. A., WALTON V. M., DAANE K. M., 2016.- Population dynamics and ecology of *Drosophila suzukii* in Central California.- *Journal of Pest Science*, 89: 701-712.
- WIMAN N. G., DALTON D. T., ANFORA G., BIONDI A., CHIU J. C., DAANE K. M., GERDEMAN B., GOTTLARDELLO A., HAMBY K. A., ISAACS R., GRASSI A., IORIATTI C., LEE J. C., MILLER B., ROSSI STACCONI M. V., SHEARER P. W., TANIGOSHI L., WANG X., WALTON V. M., 2016.- *Drosophila suzukii* population response to environment and management strategies.- *Journal of Pest Science*, 89: 653-655.