


Elena Costi

Nationality: Italian

Languages: Italian (Native), English (Advanced)

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Work experiences

- 1 Jan 2022- Present, Researcher (RTD-A, DM 1062/2021)
SSD: AGRI-05/A – GENERAL AND APPLIED ENTOMOLOGY
Universita' degli studi di Modena e Reggio Emilia, Reggio Emilia (Italy)
Dept.of Life Sciences
The researcher leads the project “Implementation of Management Strategies Sustainability of Infesting Insects in Agricultural and Zootechnical Production”
- Apr 2021–Dec 2021- Research grant holder
Dept. of Life Science, University of Modena and Reggio Emilia, Laboratory of Applied Entomology.
Operational investigations for the implementation of biological control of the invasive *Halyomorpha halys* as part of the project “HALY.BIO Operational investigations for the implementation of biological control of the invasive *Halyomorpha halys* in Emilia-Romagna” PSR 2014-2020
- Aug 2020- March 2021 Research fellowship
Dept. of Life Science, University of Modena and Reggio Emilia, Laboratory of Applied Entomology.
Winner of the research fellowship for the project "Surveys on the biological control of *Halyomorpha halys* using the exotic parasitoid *Trissolcus japonicus*"
- Dec 2017–Aug 2020 Research grant holder
Dept. of Life Science, University of Modena and Reggio Emilia, Laboratory of Applied Entomology.
Project: "Laboratory and field trials for the development of sustainable strategies for the management of the Brown Marmorated Stink Bug *Halyomorpha halys*" a) Surveys of the field presence of egg parasitoids able to accept and develop in the eggs of the invasive *H. halys* and quantification of their parasitism rate. Development of biological control programs (classical and inundative) at regional scale.
- Nov 2014–Nov 2017 PhD fellowship
Dept. of Life Science, University of Modena and Reggio Emilia, Laboratory of Applied Entomology.
Winner of the Phd fellowship "Sustainable management of invasive insects: biological control and implementation of monitoring systems for the Brown Marmorated Stink Bug *Halyomorpha halys*, a dangerous fruit pest recently introduced in Northern Italy".
- Jun– Nov 2014 Research fellowship

Dept. of Life Science, University of Modena and Reggio Emilia, Laboratory of Applied Entomology.

Winner of the research fellowship for the project "Innovative tools and protocols for monitoring and sustainable control of the alien stink bug *Halyomorpha halys*, a new phytosanitary threat, and of other harmful heteropterans for the fruit crops of the territory of Modena" funded by Fondazione Cassa di Risparmio di Modena, Modena.

- Gen 2012– May 2014 Collaborator

Plant Protection Service of the Emilia Romagna region (Italy) Management of the laboratory and field activity related to the rearing of *Torymus sinensis*, release of the obtained parasitoid units in selected chestnuts fields of the Emilia Romagna region for the project "Biological control of the chestnut gall wasp *Dryocosmus kuriphilus*: management of emergence and field release of the specific parasitoids *Torymus sinensis*"

International experiences

- 1 June 2023- 31 December 2023
Six-month research activity at the R&D department of Koppert biological systems (Netherlands), as part of the activities carried out within the position as RTD-A.
- Feb–Sept 2017 PhD internship
Research and Development Center- Agriculture and Agri-Food Canada, Agassiz, BC (Canada)
Investigate the effects of intraspecific variation of some traits in different populations of egg parasitoids and their implication in biological control.
Investigate the effects of climate change on the biocontrol activity of egg parasitoids and on the fecundity of invasive species using *Halyomorpha halys* as a case study.
- May 2018 training period at CABI_Delémont, Switzerland
"Training in basic techniques for mass rearing of insect biocontrol agents"

Teaching activities

- **Academic year 2021-22, second semester**

Lecturer of the course "Integrated Approaches to Pest Management (one 3 CFU module out of a total of 6)" at the University of Modena and Reggio Emilia within the master's degree Program: Integrated Sustainability of Agricultural Systems (DM 270/04) of the Department of Life Sciences.

- **Academic year 2022-2023, second semester**

Lecturer of the following courses at the University of Modena and Reggio Emilia within the master's degree Program: Integrated Sustainability of Agricultural Systems (DM 270/04) of the Department of Life Sciences:

- Integrated Approaches to Pest Management (one 3 CFU module out of a total of 6)
- Pollinators, bees and beekeeping (4 CFU)

- **PhD seminar**

As part of the educational activities of the STEBA Doctoral Program, on September 8th, 2023, the researcher held a 3-hour seminar titled "Chemical Ecology in Insect Pest Management"

- **Academic year 2023-2024, second semester**

Lecturer of the following courses at the University of Modena and Reggio Emilia within the master's degree Program: Integrated Sustainability of Agricultural Systems (DM 270/04) of the Department of Life Sciences:

- Integrated Approaches to Pest Management (one 3 CFU module out of a total of 6)
- Chemical Ecology and Trophic Interaction in Agroecosystems (Course in English, 3 CFU)
- Pollinators and Beekeeping (one 3 CFU module out of a total of 6)

- **Academic year 2024-2025, first semester**

Lecturer of the courses at the University of Modena and Reggio Emilia within the master's degree Program: Integrated Sustainability of Agricultural Systems (DM 270/04) of the Department of Life Science and within the interuniversity degree in "Food Safety and Food Risk Management" (LM 70)

Chemical Ecology and Trophic Interaction in Agroecosystems (Course in English, 3 CFU)

Scientific Co-tutor of the PhD project "Sustainable management of insecticide-resistant aphid populations through integrated biological control strategies"

Dr. Costi has been actively involved in supervising numerous students. Her contributions have included supervising of more than 20 undergraduate students and 6 graduate students during their internships and dissertation.

Conference organization

- Elena Costi participated in the Congress AISSA UNDER 40, IV Edition **held in Fisciano (Salerno), 12-13 Luglio 2023**, as one of the components of the Scientific Committee, as reported in the second circular of the congress (<https://www.agr.unipi.it/wp-content/uploads/2023/02/Convegno-AISSA.pdf>)
- Elena Costi participated in the Congress AISSA UNDER 40, IV Edition **held in Firenze, 26-27 Giugno 2024**, as one of the components of the Scientific Committee and as chair of the second session S7 "Pratiche sostenibili per la gestione del Sistema acqua-suolo-pianta-atmosfera" as reported in the book of abstract of the congress (https://www.aissaunder40.com/_files/ugd/250472_9e6750f2b27b4f3e92f5fb31130e3ab8.pdf)

Participation in editorial boards of journals

- Topic Editor for the special issue "Latest Research Advances in Biology, Ecology, and Integrated Pest Management of Invasive Insects" of Frontiers in Agronomy (IF=3.5). <https://www.frontiersin.org/research-topics/57391/latest-research-advances-in-biology-ecology-and-integrated-pest-management-of-invasive-insects>
- Editorial board member of "Data in brief" (IF= 1.0). <https://www.data-in-brief.com/content/edboard>

Prizes

- Aug 23-26th, 2016. EFSA's headquarters in Parma. Awarded the first prize for the "Best Student Presentation at "10th Meeting of the International Pest Risk Research Group (IPRRG) European Food Safety Authority" with the presentation "Phenology and life table parameters of the brown marmorated stink bug in Northern Italy".
- Nov 28th 2016 Università di Modena e Reggio Emilia. Certificato di benemerenzza per essersi distinta nell'ambito della ricerca internazionale

Education

- Nov 2017 PhD DOCTORATE SCHOOL IN AGRI-FOOD SCIENCES, TECHNOLOGIES AND BIOTECHNOLOGIES, Modena and Reggio Emilia University, Reggio Emilia (Italy) Submission of the

Doctoral thesis entitled: "Biology and field surveys of the invasive *Halyomorpha halys* and its potential native antagonists in Italy"

- 2012–2013 MASTER OF SCIENCE IN AGRO-ENVIRONMENTAL SCIENCE AND BIOTECHNOLOGIES Laboratory of Applied entomology, Dept. of Life Science, University of Modena and Reggio Emilia, Reggio Emilia (Italy) With a thesis entitled: "Biological control of the chestnut gall wasp in Emilia Romagna region (ITALY): management and releases of the specific parasitoid *Torymus sinensis*."
Mark: 110/110 CUM LAUDE

Courses and seminars

- Oct 2015

English for academics

Attended the courses "Writing scientific articles in English" and "Presenting research at international conferences".

- Apr- May 2016

CREA- Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria, Firenze (Italia) Training period on the biological control of insect pest using entomathogenic fungi

- Sept 18th 2017

Dipartimento di Scienze della Vita e Biologia dei Sistemi dell'Università degli Studi during the congress "Secondo Congresso Congiunto della Société Zoologique de France e dell'Unione Zoologica Italiana" attendenced to the workshop "Behavioural analisys with Boris"

- Jun 4-6th 2018

Università degli studi di Milano-Bicocca- DISAT, Piazza della Scienza 1, Milano Participation to the course "Basic knowledge of R software

- Jan 8-20th 2023 "WASP ID-Identification, collection, and curation of earth's most exceptional animals" <https://waspidcourse.wordpress.com/>

Articles published in Indexed Journals

1. Almstedt L., Betti Sorbelli F., Boom B., Calvini R., **Costi E.**, Dinca A., Ferrari V., Giannetti D., Ichim L., Kargar A. Lazar C., Maistrello L., Navarra A., Niederprum D., Offermans P., O'Flynn B., Palazzetti L., Patelli N., Pinotti C.M., Popescu D., Rangarajan A.K., Serghei L., Ulrici A., Wolf L., Zorbas D., Zurek D. 2024. Beyond The Naked Eye: Computer Vision for Detecting Brown Marmorated Stink Bug and Its Punctures. IEEE TRANSACTIONS ON AGRIFOOD ELECTRONICS, Accepted 9/07/2024.
2. D'Arco S, **Costi E.**, Prodi L., Yatman T., Maistrello L., 2024. Parasitization activity of *Spalangia cameroni* and *Muscidifurax zaraptor*, pupal parasitoids of *Musca domestica*. ENTOMOLOGIA EXPERIMENTALIS ET APPLICATA,
3. Geppert C., da Cruz M., Alma A., Andretta L., Anfora G., Battaglia D., Burgio G., Caccavo V., Chiesa S.G., Cinquatti F., Cocco A., **Costi E.**, D'Isita I., Duso C., Garonna A.P., Germinara G.S., Bue P.L., Lucchi A., Maistrello L., Mannu R., Marchesini E., Masetti A., Mazzon L., Mori N., Ortis G., Peri E., Pescara G., Prazaru S.C., Ragone G., Rigamonti I.E., Rosi M.C., Rotundo G., Sacchetti P., Savoldelli S., Suma P., Tamburini G., Garzia G.T. & Marini L. (2024) Climate and landscape composition explain agronomic practices, pesticide use and grape yield in vineyards across Italy. Agricultural Systems 215:103853. <https://doi.org/10.1016/j.agsy.2024.103853>

4. Catalin L., Popescu D. Maistrello L., **Costi E.**, Ichim L., Georgescu E.I.V. 2023 A Model for Simulation of Developmental Instars of *Halyomorpha halys*. 2023 IEEE International Workshop on Metrology for Agriculture and Forestry (MetroAgriFor), Pisa, Italy. Conference Paper 1570934345, pp 461-465. <https://doi.org/10.1109/MetroAgriFor58484.2023.10424193>
5. Schifani E. Giannetti D., **Costi E.**, Franconi G., Campostrini A., Maistrello L., Grasso D.A. 2023. Interactions between egg parasitoids and predatory ants for the biocontrol of the invasive brown marmorated stink bug *Halyomorpha halys*. *Journal of Applied Entomology*. 147 (9): 868-874 <https://doi.org/10.1111/jen.13179>
6. Rot M., Maistrello L., **Costi E.**, Trdan S. 2022. Biological parameters, phenology and temperature requirements of *Halyomorpha halys*. *INSECTS*, 13(10), 956; <https://doi.org/10.3390/insects13100956>
7. **Costi E.**, Di Bella E., Iotti D., Maistrello L. 2022. Biocontrol implications of multiparasitism by *Trissolcus mitsukurii* and *Trissolcus japonicus* on the invasive brown marmorated stink bug. *ENTOMOLOGIA EXPERIMENTALIS ET APPLICATA*, 170(9): 772-781. <https://doi.org/10.1111/eea.13185>
8. Rot M., Maistrello L., **Costi E.**, Bernardinelli I., Malossini G., Benvenuto L., Trdan S. 2021. Native and non-native egg parasitoids associated with brown marmorated stink bug (*Halyomorpha halys* [Stål, 1855]; Hemiptera: Pentatomidae) in western Slovenia. *INSECTS*, 12(6):505. <https://doi.org/10.3390/insects12060505>
9. Zapponi L., Tortorici F., Anfora G., Bardella S., Bariselli M., Benvenuto L., Bernardinelli I., Butturini A., Caruso S., Colla R., **Costi E.**, Culatti P., Di Bella E., Falagiarda M., Giovannini L., Haye T., Maistrello L., Malossini G., Marazzi C., Marianelli L., Mele A., Michelon L., Moraglio S.T., Pozzebbon A., Preti M., Salvetti M., Scaccini D., Schmidt S., Szalatnay D., Roversi P.F., Tavella L., Tommasini M.G., Vaccari G., Zandigiacomo P., Sabbatini-Peverieri G. 2021. Assessing the distribution of exotic egg parasitoids of *Halyomorpha halys* in Europe with a large-scale monitoring program. *INSECTS*, 12(4):316. <https://doi.org/10.3390/insects12040316>
10. **Costi E.**, Wong W., Cossentine J., Acheampong S., Maistrello L., Haye T., Talamas E.J., Abram P.K. 2020. Variation in levels of acceptance, developmental success, and abortion of *Halyomorpha halys* eggs by native North American parasitoids. *BIOLOGICAL CONTROL*. 151, 104396. <https://doi.org/10.1016/j.biocontrol.2020.104396>
11. Stahl J.M., Babendreier D., Marazzi C., Caruso S., **Costi E.**, L. Maistrello, Haye T. 2019. Can *Anastatus bifasciatus* be used for augmentative biological control of the brown marmorated stink bug in fruit orchards? *INSECTS*, 10 (4): 108; <https://doi.org/10.3390/insects10040108>.
12. **Costi E.**, Haye T., Maistrello L. 2019. Surveying native egg parasitoids and predators of the invasive *Halyomorpha halys* in Northern Italy. *JOURNAL OF APPLIED ENTOMOLOGY*, 143 (3): 299-307. <https://doi.org/10.1111/jen.12590>
13. **Costi E.**, Haye T., Maistrello L. 2017. Biological parameters of the invasive brown marmorated stink bug, *Halyomorpha halys*, in southern Europe. *JOURNAL OF PEST SCIENCE*, 90: 1059-1067. <https://doi.org/10.1007/s10340-017-0899-z>
14. Maistrello L., Vaccari G., Caruso S., **Costi E.**, Bortolini S., Macavei L., Foca G., Ulrici A., Bortolotti P.P., Nannini R., Casoli L., Fornaciari M., Mazzoli G.L., Dioli P. 2017. Monitoring of the invasive *Halyomorpha halys*, a new key pest of fruit orchards in northern Italy. *JOURNAL OF PEST SCIENCE* 90: 1231-1244. <https://doi.org/10.1007/s10340-017-0896-2>
15. Abram P.K., Hoelmer K.A., Acebes-Doria A., Andrews H., Beers E.H., Bergh J.C., Bessin R., Biddinger D., Botch P., Buffington M.L., Cornelius M.L., **Costi E.**, Delfosse E.S., Dieckhoff C., Dobson R., Donais Z., Grieshop M., Hamilton G., Haye T., Hedstrom C., Herlihy M.V., Hoddle M.S., Hooks C.R.R., Jentsch P., Joshi N.K., Kuhar T.P., Lara J., Lee J.C., Legrand A., Leskey T.C., Lowenstein D., Maistrello L., Mathews C.R., Milne J.M., Morrison Iii W.R., Nielsen A.L., Ogburn E.C., Pickett C.H., Poley K., Pote J., Radl J., Shrewsbury P.M., Talamas E., Tavella L., Walgenbach J.F., Waterworth R., Weber D.C., Welty C., Wiman N.G. 2017. Indigenous arthropod natural enemies of the invasive brown marmorated stink bug in North America and Europe. *JOURNAL OF PEST SCIENCE*. 90: 1009-1020. <https://doi.org/10.1007/s10340-017-0891-7>
16. Roversi P. F., Binazzi F., Marianelli L., **Costi E.**, Maistrello L., Sabbatini Peverieri G. 2016. Searching for native egg-parasitoids of the invasive alien species *Halyomorpha halys* Stål (Heteroptera, Pentatomidae) in southern Europe. *REDIA*, XCIX: 63-70. ISSN: 0370-4327, <https://doi.org/10.19263/REDIA-99.16.01>

Articles published in NON-indexed Journals and webzines

1. Vaccari G., Masetti A., **Costi E.**, Monari E., Violi M., Lami F., Caruso S., Preti M., Rufolo E., Landi M., Fagioli L., Manucci F., Mirandola D., Fabbri G., Ferrari R., Checchi G., Parrilli M., Bariselli M., Tommasini M. G., Maistrello L. 2024. Aggiornamento delle indagini sulla parassitizzazione di *Halyomorpha halys* in Emilia-Romagna. In: A. Brunelli (Coord.), ATTI DELLE GIORNATE FITOPATOLOGICHE 2024 EXTENDED ABSTRACTS. BOLOGNA: CLUEB srl (ITALY). Vol 1, pp. 225-234.
2. **Costi E.**, Di Bella E., Iotti D., Maistrello L. 2023. Biocontrol implications of multiparasitism by *Trissolcus mitsukurii* and *Trissolcus japonicus* on the invasive brown marmorated stink bug. Pheromones Semiochem. Integr. Prod. Integr. Prot. Fruit Crops IOBC-WPRS Bull. 166: 90-91.
3. Preti M., Vaccari G., Fagioli L., Pradolesi G., Caruso S., Manucci F., Mirandola D., Bombardini E., Landi M., Civolani S., Coltorti M., Gallinucci E., Forresi C., Golfarelli M., **Costi E.**, Maistrello L., Pozzebon A., Tommasini M. G. 2023. Monitoraggio e gestione di *Halyomorpha halys*: i risultati della ricerca in Emilia-Romagna. L'INFORMATORE AGRARIO 27: 58-62.
4. Tommasini M. G., Preti M., Bombardini E., Rufolo E., Fagioli L., Manucci F., Mirandola D., Fabbri G., Vaccari G., Caruso S., Masetti A., **Costi E.**, Maistrello L. 2023. Controllo biologico di *Halyomorpha halys* con parassitoidi oofagi esotici e nativi in Emilia-Romagna. L'INFORMATORE AGRARIO 26: 58-61.
5. Maistrello L., **Costi E.**, Di Bella E., Masetti A., Bittau B., Lami F., Zaniboni A., Torreggiani D., Vaccari G., Caruso S., Casoli L., Preti M., Rufolo E., Landi M., Fagioli L., Manucci F., Fabbri G., Ferrari R., Zoboli F., Bariselli M., Tommasini M. G., 2022. Indagini sulla parassitizzazione di *Halyomorpha halys* in Emilia-Romagna nell'ambito del progetto "Haly.Bio". In: A. Brunelli (Coord.), ATTI DELLE GIORNATE FITOPATOLOGICHE 2022 EXTENDED ABSTRACTS. BOLOGNA: CLUEB srl (ITALY). Vol 1, pp. 205-214. ISBN 978-88-491-5739-0
6. Maistrello L., **Costi E.**, Di Bella E., Vaccari G., Caruso S., Casoli L., Preti M., Landi M., Bombardini E., Moretti C., Tommasini M. G., Bariselli M., Butturini A., Hays T. 2020. Rilasci inondativi del parassitoide autoctono *Anastatus bifasciatus* per il controllo di *Halyomorpha halys* in Italia. In: A. Brunelli, M. Collina (Coord.), ATTI DELLE GIORNATE FITOPATOLOGICHE 2020 EXTENDED ABSTRACTS. BOLOGNA: CLUEB srl (ITALY). Vol 1, pp. 167-176. ISBN 978-88-491-5490-0
7. Tommasini M.G., Maistrello L., Vaccari G., Nannini R., Bortolotti P., Caruso S., Casoli L., Vergnani S., Preti M., Montanari M., Landi M., Simoni M., **Costi E.**, Di Bella E., Bulgarini G., Masino F., Antonelli A. 2019. Approccio multidisciplinare per contenere la cimice asiatica. L'INFORMATORE AGRARIO 13: 38-43.
8. Maistrello L., Vaccari G., Caruso S., **Costi E.**, Bortolini S., Macavei L., Foca G., Ulrici A., Bortolotti P.P., Nannini R., Casoli L., Fornaciari M., Mazzoli G.L., Dioli P. 2018. L'invasiva *Halyomorpha halys* è fitofago chiave dei frutteti: risultati del monitoraggio triennale in Emilia. Giornate Fitopatologiche. Chianciano Terme (SI), 6-9 Marzo 2018. In: A. Brunelli, M. Collina (Coord.), ATTI DELLE GIORNATE FITOPATOLOGICHE 2018 EXTENDED ABSTRACTS. BOLOGNA: CLUEB srl (ITALY). Vol 1, pp. 273-284. ISBN PDF 978-88-491-5573-0
9. Maistrello L., **Costi E.**, Bortolini S., Macavei L., Foca G., Ulrici A., Vaccari G., Caruso S., Bortolotti P.P., Nannini R., Fornaciari M., Casoli L., Mazzoli G.L., Dioli P. 2018. Cimice Asiatica: fitofago chiave in Pianura Padana. L'INFORMATORE AGRARIO 2: 56-61. ISSN: 0020-0689
10. Caruso S., Vaccari G., Lugli S., Bellelli S., Francati S., Maistrello L., **Costi E.**, Gullo M., Zanichelli G., Civolani S., Cassanelli S., 2017. Drosophila, efficaci le reti ma servono soluzioni più convenienti. RIVISTA DI FRUTTICOLTURA E ORTOFLORICOLTURA. 4, 14-19.
11. Maistrello L., **Costi E.**, Caruso S., Vaccari G., Bortolotti P., Nannini R., Casoli L., Montermini A., Bariselli M., Guidetti R. 2016. *Halyomorpha halys* in Italy: first results of field monitoring in fruit orchards. Integrated Protection of Fruit Crops. Subgroups "Pome fruit arthropods" and "Stone fruits". IOBC-WPRS Bulletin 112: 1-5
12. Maistrello L., Vaccari G., Bortolini S., **Costi E.**, Guidetti R., Bortolotti P., Caruso S., Nannini R., Montermini A., Casoli L. 2016. Monitoraggio in campo e danni della cimice aliena *Halyomorpha halys* in Emilia-Romagna: da minaccia a problema concreto. Giornate Fitopatologiche. Chianciano Terme (SI). In: A. Brunelli, M. Collina (Coord.), ATTI DELLE GIORNATE FITOPATOLOGICHE 2016 EXTENDED ABSTRACTS. BOLOGNA: CLUEB srl (ITALY). Vol 1, pp. 171-178. ISBN PDF 978-88-941-5499-3
13. Maistrello L., **Costi E.** 2016. La cimice "diabolica", minaccia per l'agricoltura. ECOSCIENZA. 1: 52-53

14. Macavei L.I, Băețan R., Oltean I, Florian T., Varga M., **Costi E.**; Maistrello L., 2015. First detection of *Halyomorpha halys*, a new invasive species with a high potential of damage on agricultural crops in Romania. LUCRARI STIINTIFICE SERIA AGRONOMIE, 58 (1): 105-108. ISSN: 1454-7414
15. Bortolotti P., Caruso S., Nannini R., Vaccari G., Casoli L., Bariselli M., Bortolini S., **Costi E.**, Guidetti R., Maistrello L. 2015. Preoccupano le infestazioni della cimice asiatica. L'INFORMATORE AGRARIO, 71 (43): 52-56.
16. Bortolotti P., Caruso S., Nannini R., Vaccari G., Casoli L., Bariselli M., **Costi E.**, Guidetti R., Maistrello L. 2015. *Halyomorpha halys* in Emilia, prime risposte dal monitoraggio. L'INFORMATORE AGRARIO, 71(21): 46-48.
17. Maistrello L., Dioli P., Vaccari G., Nannini R., Bortolotti P., Caruso S., **Costi E.**, Montermini A., Casoli L., Bariselli M. 2014. Primi rinvenimenti in Italia della cimice esotica *Halyomorpha halys*, una nuova minaccia per la frutticoltura. Giornate Fitopatologiche. Chianciano Terme (SI), 18-21 March 2014. In: A. Brunelli, M. Collina (Coord.), ATTI DELLE GIORNATE FITOPATOLOGICHE 2014 - EXTENDED ABSTRACTS. BOLOGNA: CLUEB (ITALY). Vol. 1, pp. 283-288. ISBN: 9788849138740
18. Maistrello L., Vai N., Bariselli M., Tiso R., Boselli M., Montermini A., Catellani A., Caruso S., Montepaone G., Vaccari G., Dradi D, Ferrari R., **Costi E.** 2013. Alieni in Emilia-Romagna: gestione e prospettive. ATTI DELLA SOCIETÀ DEI NATURALISTI E MATEMATICI DI MODENA, 144: 69-70. ISSN-0365-7027
19. Maistrello L., **Costi E.**, Pozzati M., Ferrari R. 2013. Lotta Biologica alla Vespa Cinese del Castagno. I centri di moltiplicazione di *Torymus sinensis* in Emilia-Romagna. AGRICOLTURA 10 (54): 30-34.

Chapters in books

1. Costi E., Maistrello L. 2017. Quando la lotta biologica è un successo: *Torymus sinensis*, efficace antidoto contro le infestazioni da vespa cinese del castagno in Emilia-Romagna. In: "Sorella castagna, fratello marrone si sfidano a singolar tenzone". Luca Bonacini (curatore). Edizioni Artestampa, Modena. p. 11-15. ISBN 9788864625058

Proceedings of congresses

International

1. **Costi E.**, De Bruijn J., Groot T., Timmer R., Maistrello L. 2024. Side effects of cyantraniliprole and neem-based insecticides on *Myzus persicae* biocontrol agents. 3rd International Congress of Biological Control. San José, Costa Rica, 24-27 June 2024. Book of abstracts p. 68. Oral presentation
2. D'Arco S., **Costi E.**, Prodi L., Yatman T., Maistrello L. 2024. Parasitization activity of *Spalangia cameroni* and *Muscidifurax zaraptor* (Hymenoptera, Pteromalidae), pupal parasitoids of *Musca domestica* (Diptera, Muscidae). 3rd International Congress of Biological Control. San José, Costa Rica, 24-27 June 2024. Book of abstracts p. 238
3. D'Arco S., Patelli N., **Costi E.**, Sommaggio D., Maistrello L. 2024. Field monitoring of houseflies and their parasitoids in dairy farms in northern Italy. 3rd International Congress of Biological Control. San José, Costa Rica, 24-27 June 2024. Book of abstracts p. 218. Poster
4. D'Arco S., **Costi E.**, Dal Lago A., Cesari M., Dan Mitroiu H.M., Maistrello L. 2024. Molecular, taxonomic and behavioral characterization of house fly parasitoids in northern Italy. 3rd International Congress of Biological Control. San José, Costa Rica, 24-27 June 2024. Book of abstracts p. 153. Oral presentation
5. Masetti A., **Costi E.**, Lami F., Zaniboni A., Torreggiani D., Vaccari G., Caruso S., Preti M., Fagioli L., Manucci F., Ferrari R., Bariselli M., Tommasini M. G., Burgio G., Maistrello L. **2023**. Effects of *Trissolcus japonicus* releases on the distribution and parasitism rate of *Halyomorpha halys* egg parasitoids in Emilia-Romagna region, Northern Italy. XII th European Congress of Entomology. Crete, Greece, October 16-20, 2023. In: Book of Abstracts, OC 377, p. 288-289. Oral presentation
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