

CURRICULUM VITAE

PERSONAL INFORMATION

Researchgate:

https://www.researchgate.net/profile/Judith_Stahl

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OrcID: 0000-0003-2993-0335

EDUCATION

Jun. 2015 – Dec. 2018

CABI-Europe, Switzerland and University of Bremen, Germany

PhD thesis: *'Benefits and risks of using native egg parasitoids for augmentative biological control against the invasive pest Halyomorpha halys in Europe'*

Supervisors: Dr. Tim Haye (CABI), Dr. Dirk Babendreier (CABI),

Prof. Dr. Thomas Hoffmeister (University Bremen, Germany)

Apr. 2013 – Jun. 2015

University of Hohenheim, Germany

Graduate studies of Agricultural Sciences

Major Crop Science

Master thesis at the Institute of Phytomedicine: *'Investigation of three candidate genes to control the Asian Soybean Rust Phakopsora pachyrhizi via RNA silencing'*

Supervisors: Dipl. Biol. Anna Hummrich, Prof. Dr. Ralf Vögele (both University Hohenheim, Germany)

Oct. 2009 – Aug. 2012

University of Rostock, Germany

Undergraduate studies of Agroecology

Bachelor thesis at the Institute of Animal Health and Animal Welfare: *'Occurrence of Candida albicans in pigs of different production systems'*

Supervisors: Dr. Regina Dibbert and Dr. Kirsten Büsing (both University Rostock, Germany)

PUBLICATIONS

2020

Stahl, J.M., Scaccini, D., Pozzebon, A. & Daane, K.M. (2020) Comparing the feeding damage of the invasive brown marmorated stink bug to a native stink bug and leaf-footed bug on California pistachios. Submitted to Insects.

Leung, K., Ras, E., Ferguson, K.B., Ariens, S., Babendreier, D., Bijma, P., Bourtyis, K., Brodeur, J., Bruins, M.A., Centurion, A., Chattington, S.R., Chinchilla-Ramirez, M., Dicke, M., Faturos, N.E., Gonzalez-Cabrera, J., Groot, T.V.M., Haye, T., Knapp, M., Koskinioti, P., Le Hesran, S., Lyrakils, M., Paspatis, A., Perez-Hedo, M., Plouvier, W.N., Schlötterer, C., **Stahl, J.M.**, Thiel, A., Urbaneja, A., van der Zande, L., Verhulst, E.C., Vet, L.E.M., Visser, S., Werren, J.H., Xia, S., Zwaan, B.J., Magalhaes, S., Beukeboom, L.W. & Pannebakker, B.A. (2020) Next Generation Biological Control: the need for integrating genetics and genomics. Biological Reviews. <https://doi.org/10.1111/brv.12641>

Stahl, J.M., Babendreier, D., Foti, M.C., Colazza, S. & Haye, T. (2020) Intrinsic competition between two European egg parasitoids of the brown marmorated stink bug. Journal of Applied Entomology. <https://doi.org/10.1111/jen.12796>

2019

Stahl, J.M., Gariepy, T.D., Beukeboom, L.W. & Haye, T. (2019) A molecular tool to identify *Anastatus* parasitoids of the brown marmorated stink bug. Entomologia Experimentalis et Applicata, 167, 692–700.
<https://doi.org/10.1111/eea.12809>

Haye, T., Moraglio, S.T., **Stahl, J.M.**, Visentin, S., De Gregorio, T. & Tavella, L. (2019) Fundamental host range of *Trissolcus japonicus* in Europe. Journal of Pest Science, 93, 171–182.
<https://doi.org/10.1007/s10340-019-01127-3>

Stahl, J.M., Babendreier, D., Marazzi, C., Caruso, S., Costi, E., Maistrello, L. & Haye, T. (2019) Can *Anastatus bifasciatus* be used for augmentative biological control of the brown marmorated stink bug in fruit orchards? Insects, 10, 108.
<https://doi.org/10.3390/insects10040108>

2018

Stahl, J.M., Tortorici, F., Pontini, M., Bon, M.-C., Hoelmer, K., Marazzi, C., Tavella, L. & Haye, T. (2018) First discovery of adventive populations of *Trissolcus japonicus* (Ashmead) in Europe. Journal of Pest Science, 92, 371–379.
<https://doi.org/10.1007/s10340-018-1061-2>

Stahl, J.M., Babendreier, D., & Haye, T. (2018) Life history of *Anastatus bifasciatus*, a potential biological control agent of the brown marmorated stink bug in Europe. Biological Control, 129, 178–186.
<https://doi.org/10.1016/j.biocontrol.2018.10.016>

Stahl, J.M., Babendreier, D., & Haye, T. (2018) Using the egg parasitoid *Anastatus bifasciatus* against the invasive brown marmorated stink bug in Europe: can non-target effects be ruled out? Journal of Pest Science, 91, 1005–1017.
<https://doi.org/10.1007/s10340-018-0969-x>

SCIENTIFIC CONFERENCES

2019 ESA Annual Meeting, 17th – 20th November 2019, St. Louis, USA

Oral presentation: ‘*Survival of the brown marmorated stink bug on different crops – Is California a special case?*’ (Stahl, J.M., Scaccini, D., Daane, K.M.)

2019 ESA Annual Meeting, 17th – 20th November 2019, St. Louis, USA

Co-author of oral presentation: ‘*Fundamental and ecological host range of Trissolcus japonicus in Europe*’ (Haye, T., Moraglio, S.T., Stahl, J.M., Visentin, S., Gregorio, T., Tavella, L.)

2018 ESA, ESC and ESBC Joint Annual Meeting, 11th – 14th November 2018, Vancouver, Canada

Oral presentation: ‘*The potential of Anastatus bifasciatus for biological control of the brown marmorated stink bug in Europe*’ (Stahl, J.M., Babendreier, D., Gariepy, T., Beukeboom, L.W., Haye, T.)

61st German Plant Protection Conference, 11th – 14th September 2018, Hohenheim, Germany

Oral presentation: ‘*Biologie und Phänologie eines Europäischen Eiparasitoiden der marmorierten Baumwanze (Halyomorpha halys)*’ (Stahl, J.M., Babendreier, D., Haye, T.)

11th European Congress of Entomology, 2nd – 6th July 2018, Napoli, Italy

Oral presentation: ‘*Intrinsic competition between two European egg parasitoids of the brown marmorated stink bug*’ (Stahl, J.M., Babendreier, D., Foti, C.M., Colazza, S., Haye, T.)

5th International Entomophagous Insects Conference, 16th– 20th Oct. 2017, Kyoto, Japan

Oral presentation: ‘*Field performance and non-target parasitism of the parasitoid Anastatus bifasciatus against the brown marmorated stink bug*’ (Stahl, J.M., Marazzi, C., Babendreier, D., Haye, T.)

Entomologists’ congress of the German, Austrian and Swiss entomological societies, 13th – 16th Mar. 2017, Weihenstephan, Germany

Poster presentation: ‘*A double-edged sword? Using the egg parasitoid Anastatus bifasciatus against the*

invasive brown marmorated stink bug' (Stahl, J.M., Babendreier, D., Haye, T.)

EXTENSION

Stahl, J. M., Scaccini, D., and Daane, K. M. 2020. '*The Brown Marmorated Stink Bug is (still) invading California*'. Progressive Crop Consultant, 5, 26-32.

Stahl, J. M., Scaccini, D., and Daane, K.M. 2020. '*Comparing the feeding damage of the invasive brown marmorated stink bug to native large bugs*'. California Pistachio Board, Executive Summary 2019 Research.

2019 Field Tour of the Almond Short Course at the Kearney Agricultural Research and Extension Center, Parlier, CA on Friday, November 8, 2019