

Publications Michael Meissle (31 July 2026)

Peer-reviewed Journals

- Gallego, I., Meissle, M. & Romeis, J. (2026) Genome manipulation in microalgae: a systematic map on improved traits, strains, and their commercial applications. *Reviews in Aquaculture* 18, e70178. <https://doi.org/10.1111/raq.70178>
- Chen, Y., Romeis, J. & Meissle, M. (2026) Do genetically engineered plants affect aquatic non-target invertebrates? – a critical review. *Environmental Advances* 25, 100726. <https://doi.org/10.1016/j.envadv.2026.100726>
- Meissle, M., Naranjo, S.E., Romeis, J. (2026) Meta-analysis on effects of Bt maize on nontarget invertebrates – Data transportability across continents. *Plants People Planet* 8: 365-376. <https://doi.org/10.1002/ppp3.70081>
- Brunner, S., Weichert, H., Meissle, M., Romeis, J. & Weber, H. (2024) Field trials reveal trade-offs between grain size and grain number in wheat ectopically expressing a barley sucrose transporter. *Field Crops Research* 316, 109506. <https://doi.org/10.1016/j.fcr.2024.109506>
- Meissle, M. (2024) Prey-mediated effects of Mpp51Aa2-producing cotton on longevity and reproduction of *Orius majusculus*. *Transgenic Research* 33, 75-88. <https://doi.org/10.1007/s11248-024-00378-w>
- Meissle, M., Grabenweger, G. & Romeis, J. (2024) No interaction of fluctuating or constant temperature and virulence of entomopathogenic fungi in two noctuid species. *Journal of Pest Science* 97, 809-823. <https://doi.org/10.1007/s10340-023-01673-x>
- Chen, Y., Meissle, M., Xue, J., Zhang, N., Ma, S., Guo, A., Liu, B., Peng, Y., Song, X., Yang, Y. & Li, Y. (2023) Expression of Cry1Ab/2Aj protein in genetically engineered maize plants and its transfer in the arthropod food web. *Plants* 12: 4057. <https://doi.org/10.3390/plants12234057>
- Boss, A., Romeis, J. & Meissle, M. (2023) Prey-mediated effects of mCry51Aa2-producing cotton on the predatory nontarget bug *Orius majusculus* (Reuter). *Insect Science* 30: 1191-1206. <https://doi.org/10.1111/1744-7917.13143>
- Meissle, M., Waldburger, M., Jeanneret, P., Broggini, G.A.L., Patocchi, A. & Romeis, J. (2023) Insect pollinator monitoring in and around a netted plot of apple trees – biosafety implications for genetically engineered fruit trees. *Agronomy* 13: 84. <https://doi.org/10.3390/agronomy13010084>
- Schlathölter, I., Meissle, M., Boeris, T., Heimo, D., Studer, B., Broggini, G.A.L., Romeis, J. & Patocchi, A. (2022) No adverse dietary effect of a cisgenic fire blight resistant apple line on the non-target arthropods *Drosophila melanogaster* and *Folsomia candida*. *Ecotoxicology and Environmental Safety* 241: 113749. <https://doi.org/10.1016/j.ecoenv.2022.113749>
- Meissle, M., Naranjo, S.E. & Romeis, J. (2022) Does the growing of Bt maize change abundance or ecological function of non-target animals compared to the growing of non-GM maize? A systematic review. *Environmental Evidence* 11: 21. <https://doi.org/10.1186/s13750-022-00272-0>
- Meissle, M., Naranjo, S.E. & Romeis, J. (2022) Database of non-target invertebrates recorded in field experiments of genetically engineered Bt maize and corresponding non-Bt maize. *BMC Research Notes* 15: 199. <https://doi.org/10.1186/s13104-022-06021-3>
- Chen, Y., Romeis, J. & Meissle, M. (2022). No adverse effects of stacked *Bacillus thuringiensis* maize on the midge *Chironomus riparius*. *Environmental Toxicology and Chemistry* 41: 1078-1088. <https://doi.org/10.1002/etc.5293>
- Chen, Y., Romeis, J. & Meissle, M. (2021) Addressing the challenges of non-target feeding studies with genetically engineered plant material – stacked Bt maize and *Daphnia magna*. *Ecotoxicology and Environmental Safety* 225: 112721. <https://doi.org/10.1016/j.ecoenv.2021.112721>
- Schlathölter, I., Dalbosco, A., Meissle, M., Knauf, A., Dallemulle, A., Keller, B., Romeis, J., Broggini, G.A.L. & Patocchi, A. (2021) Low Outcrossing from an apple field trial protected with nets. *Agronomy* 11: 1754. <https://doi.org/10.3390/agronomy11091754>
- Chen, Y., Romeis, J. & Meissle, M. (2021) Performance of *Daphnia magna* on flour, leaves, and pollen from different maize lines: Implications for risk assessment of genetically engineered crops. *Ecotoxicology and Environmental Safety* 212: 111967. <https://doi.org/10.1016/j.ecoenv.2021.111967>
- Kim, Y.-J., Kloos, S., Romeis, J. & Meissle, M. (2021) Effects of mCry51Aa2-producing cotton on the non-target spider mite *Tetranychus urticae* and the predatory bug *Orius majusculus*. *Journal of Pest Science* 94: 351-362. <https://doi.org/10.1007/s10340-020-01260-4>
- Meissle, M., Kloos, S. & Romeis, J. (2021) Fate of multiple Bt proteins from stacked Bt maize in the predatory lady beetle *Harmonia axyridis* (Pallas) (Coleoptera: Coccinellidae). *Environmental Pollution* 268: 115421. <https://doi.org/10.1016/j.envpol.2020.115421>
- Ghazanfar, M.U., Hagenbucher, S., Romeis, J., Grabenweger, G. & Meissle, M. (2020) Fluctuating temperatures influence the susceptibility of pest insects to biological control agents. *Journal of Pest Science* 93: 1007-1018. <https://doi.org/10.1007/s10340-020-01215-9>
- Romeis, J. & Meissle, M. (2020) Stacked Bt proteins pose no new risks to nontarget arthropods. *Trends in Biotechnology* 38: 234-236. <https://doi.org/10.1016/j.tibtech.2019.12.001>
- Yang, Y., Kloos, S., Mora-Ramírez, I., Romeis, J., Brunner, S., Li, Y. & Meissle, M. (2019) Transgenic winter wheat expressing the sucrose transporter HvSUT1 from barley does not affect aphid performance. *Insects* 10: 388. <https://doi.org/10.3390/insects10110388>

- Hagenbucher, S., Eisenring, M., Meissle, M., Rathore, K.S. & Romeis, J. (2019) Constitutive and induced insect resistance in RNAi-mediated ultra-low gossypol cottonseed cotton. *BMC Plant Biology* 19: 322. <https://doi.org/10.1186/s12870-019-1921-9>
- Álvarez-Alfageme, F., Devos, Y., Muñoz-Guajardo, I., Li, Y., Romeis, J. & Meissle, M. (2019). Are ladybird beetles (Coleoptera: Coccinellidae) affected by Bt proteins expressed in genetically modified insect-resistant crops? A systematic review protocol. *Environmental Evidence* 8: 25. <https://doi.org/10.1186/s13750-019-0169-z>
- Romeis, J., Naranjo, S.E., Meissle, M. & Shelton, A.M. (2019) Genetically engineered crops help support conservation biological control. *Biological Control* 130: 136-154. <https://doi.org/10.1016/j.biocontrol.2018.10.001>
- Eisenring, M., Naranjo, S.E., Bacher, S., Abbott, A., Meissle, M. & Romeis, J. (2019) Reduced caterpillar damage can benefit plant bugs in Bt cotton. *Scientific Reports*, 9: 2727. <https://doi.org/10.1038/s41598-019-38917-9>
- Anderson, J.A., Ellsworth, P.C., Faria, J.C., Head, G.P., Owen, M.D.K., Pilcher, C.D., Shelton, A.M. & Meissle, M. (2019) Genetically engineered crops: importance of diversified integrated pest management for agricultural sustainability. *Frontiers in Bioengineering and Biotechnology* 7: 24. <https://doi.org/10.3389/fbioe.2019.00024>
- Eisenring, M., Glauser, G., Meissle, M. & Romeis, J. (2018) Differential impact of herbivores from three feeding guilds on systemic secondary metabolite induction, phytohormone levels and plant-mediated herbivore interactions. *Journal of Chemical Ecology* 44: 1178-1189. <https://doi.org/10.1007/s10886-018-1015-4>
- Wang, X., Liu, Q., Meissle, M., Peng, Y., Wu, K., Romeis, J. & Li, Y. (2018) Bt rice could provide ecological resistance against nontarget planthoppers. *Plant Biotechnology Journal* 16: 1748-1755. <https://doi.org/10.1111/pbi.12911>
- Meissle, M. & Romeis, J. (2018) Transfer of Cry1Ac and Cry2Ab proteins from genetically engineered Bt cotton to herbivores and predators. *Insect Science* 25: 823-832. <https://doi.org/10.1111/1744-7917.12468>
- Shu, Y., Romeis, J. & Meissle, M. (2018) No interactions of stacked Bt maize with the non-target aphid *Rhopalosiphum padi* and the spider mite *Tetranychus urticae*. *Frontiers in Plant Science* 9:39. <https://doi.org/10.3389/fpls.2018.00039>
- Li, Y., Zhang, Q., Liu, Q., Meissle, M., Yang, Y., Wang, Y., Hua, H., Chen, X., Peng, Y. & Romeis, J. (2017) *Bt* rice in China – focussing the nontarget risk assessment. *Plant Biotechnology Journal* 15: 1340-1345. <https://doi.org/10.1111/pbi.12720>
- Haller, S., Romeis, J. & Meissle, M. (2017) Effects of purified or plant-produced Cry proteins on *Drosophila melanogaster* (Diptera: Drosophilidae) larvae. *Scientific Reports* 7: 11172. <https://doi.org/10.1038/s41598-017-10801-4>
- Eisenring, M., Romeis, J., Naranjo, S.E. & Meissle, M. (2017) Multitrophic Cry-protein flow in a dual-gene Bt-cotton field. *Agriculture, Ecosystems and Environment* 247: 283-289. <https://doi.org/10.1016/j.agee.2017.07.009>
- Hagenbucher, S., Eisenring, M., Meissle, M. & Romeis, J. (2017) Interaction of transgenic and natural insect resistance mechanisms against *Spodoptera littoralis* in cotton. *Pest Management Science* 73: 1670-1678. <https://doi.org/10.1002/ps.4510>
- Svobodová, Z., Shu, Y., Skoková Habušťová, O., Romeis, J. & Meissle, M. (2017) Stacked Bt maize and arthropod predators: exposure to insecticidal Cry proteins and potential hazards. *Proceedings of the Royal Society B* 284: 20170440. <https://doi.org/10.1098/rspb.2017.0440>
- Eisenring, M., Meissle, M., Hagenbucher, S., Naranjo, S.E., Wettstein, F. & Romeis, J. (2017) Cotton defense induction patterns under spatially, temporally and quantitatively varying herbivory levels. *Frontiers in Plant Science* 8: 234. <https://doi.org/10.3389/fpls.2017.00234>
- Haller, S., Meissle, M. & Romeis, J. (2016) Establishing a system with *Drosophila melanogaster* (Diptera: Drosophilidae) to assess the non-target effects of gut-active insecticidal compounds. *Ecotoxicology* 25: 1794-1804. <https://doi.org/10.1007/s10646-016-1722-y>
- Jiao, Y., Yang, Y., Meissle, M., Peng, Y. & Li, Y. (2016) Comparison of susceptibility of *Chilo suppressalis* and *Bombyx mori* to five *Bacillus thuringiensis* proteins. *Journal of Invertebrate Pathology* 136: 95-99. <https://doi.org/10.1016/j.jip.2016.03.010>
- Romeis, J., Meissle, M., Álvarez-Alfageme, F., Bigler, F., Bohan, D.A., Devos, Y., Malone, L.A., Pons, X. & Rauschen, S. (2014) Potential use of an arthropod database to support the non-target risk assessment and monitoring of transgenic plants. *Transgenic Research* 23: 995-1013. <https://doi.org/10.1007/s11248-014-9791-2>
- Romeis, J., Meissle, M., Naranjo, S.E., Li, Y. & Bigler, F. (2014) The end of a myth - Bt (Cry1Ab) maize does not harm green lacewings. *Frontiers in Plant Science* 5: 39. <https://doi.org/10.3389/fpls.2014.00391>
- Meissle, M., Zünd, J., Waldburger, M. & Romeis, J. (2014) Development of *Chrysoperla carnea* (Stephens) (Neuroptera: Chrysopidae) on pollen from Bt-transgenic and conventional maize. *Scientific Reports* 4: 5900. <https://doi.org/10.1038/srep05900>
- Meissle, M., Naranjo, S.E., Kohl, C., Riedel, J. & Romeis, J. (2014) Does the growing of Bt maize change abundance or ecological function of non-target animals compared to the growing of non-GM maize? A systematic review protocol. *Environmental Evidence* 3, 7. <https://doi.org/10.1186/2047-2382-3-7>
- Romeis, J., Meissle, M., Brunner, S., Tschamper, D. & Winzeler, M. (2013) Plant biotechnology: research behind fences. *Trends in Biotechnology* 31: 222-224. <https://doi.org/10.1016/j.tibtech.2013.01.020>
- Dutra, C. C., Koch, R. L., Burkness, E. C., Meissle, M., Romeis, J., Hutchison, W. D. & Fernandes, M. G. (2012) *Harmonia axyridis* (Coleoptera: Coccinellidae) exhibits no preference between Bt and non-Bt maize fed

Spodoptera frugiperda (Lepidoptera: Noctuidae). PLoS ONE 7: e44867.

<https://doi.org/10.1371/journal.pone.0044867>

- Meissle, M. & Romeis, J. (2012) No accumulation of Bt protein in *Phylloneta impressa* (Araneae: Theridiidae) and prey arthropods in Bt maize. Environmental Entomology 41: 1037-1042. <https://doi.org/10.1603/EN11321>
- Zalucki, M. P., Cunningham, J. P., Downes, S., Ward, P., Lange, C., Meissle, M., Schellhorn, N. A. & Zalucki, J. M. (2012) No evidence for change in oviposition behaviour of *Helicoverpa armigera* (Hübner) (Lepidoptera: Noctuidae) after widespread adoption of transgenic insecticidal cotton. Bulletin of Entomological Research 102: 468-476. <https://doi.org/10.1017/S0007485311000848>
- Meissle, M., Knecht, S., Waldburger, M. & Romeis, J. (2012) Sensitivity of the cereal leaf beetle *Oulema melanopus* (Coleoptera: Chrysomelidae) to Bt maize-expressed Cry3Bb1 and Cry1Ab. Arthropod-Plant Interactions 6: 203-211. <https://doi.org/10.1007/s11829-011-9178-8>
- Meissle, M., Romeis, J. & Bigler, F. (2011) Bt maize and integrated pest management – a European perspective. Pest Management Science 67: 1049-1058. <https://doi.org/10.1002/ps.2221>
- Meissle, M., Hellmich, R. L. & Romeis, J. (2011) Impact of Cry3Bb1-expressing Bt maize on adults of the western corn rootworm, *Diabrotica virgifera virgifera* (Coleoptera: Chrysomelidae). Pest Management Science 67: 807-814. <https://doi.org/10.1002/ps.2117>
- Romeis, J. & Meissle, M. (2011) Non-target risk assessment of Bt crops – Cry protein uptake by aphids. Journal of Applied Entomology 135: 1-6. <https://doi.org/10.1111/j.1439-0418.2010.01546.x>
- Meissle, M., Mouron, P., Musa, T., Bigler, F., Pons, X., Vasileiadis, V. P., Otto, S., Antichi, D., Kiss, J., Palinkas, Z., Dorner, Z., van der Weide, R., Groten, J., Czembor, E., Adamczyk, J., Thibord, J.-B., Melander, B., Cordsen Nielsen, G., Poulsen, R. T., Zimmermann, O., Verschwele, A. & Oldenburg, E. (2010) Pests, pesticide use and alternative options in European maize production: current status and future prospects. Journal of Applied Entomology 134: 357-375. <https://doi.org/10.1111/j.1439-0418.2009.01491.x>
- Zurbrugg, C., Hönemann, L., Meissle, M., Romeis, J. & Nentwig, W. (2010). Decomposition dynamics and structural plant components of genetically modified Bt maize leaves do not differ from leaves of conventional hybrids. Transgenic Research 19: 257-267. <https://doi.org/10.1007/s11248-009-9304-x>
- Li, Y., Meissle, M. & Romeis, J. (2010) Use of maize pollen by adult *Chrysoperla carnea* (Neuroptera: Chrysopidae) and fate of Cry proteins in Bt-transgenic varieties. Journal of Insect Physiology 56: 157-163. <https://doi.org/10.1016/j.jinsphys.2009.09.011>
- Meissle, M. & Romeis, J. (2009) The web-building spider *Theridion impressum* (Araneae: Theridiidae) is not adversely affected by Bt maize resistant to corn rootworms. Plant Biotechnology Journal 7: 645-656. <https://doi.org/10.1111/j.1467-7652.2009.00431.x>
- Meissle, M., Pilz, C. & Romeis, J. (2009) Susceptibility of *Diabrotica virgifera virgifera* (Coleoptera: Chrysomelidae) to the entomopathogenic fungus *Metarhizium anisopliae* when feeding on *Bacillus thuringiensis* Cry3Bb1-expressing maize. Applied and Environmental Microbiology 75: 3937-3943. <https://doi.org/10.1128/AEM.00432-09>
- Meissle, M. & Romeis, J. (2009) Insecticidal activity of Cry3Bb1 expressed in Bt maize on larvae of the Colorado potato beetle, *Leptinotarsa decemlineata*. Entomologia Experimentalis et Applicata 131: 308-319. <https://doi.org/10.1111/j.1570-7458.2009.00859.x>
- Li, Y., Meissle, M. & Romeis, J. (2008) Consumption of Bt maize pollen expressing Cry1Ab or Cry3Bb1 does not harm adult green lacewings, *Chrysoperla carnea* (Neuroptera: Chrysopidae). PLoS ONE 3(8): e2909. <https://doi.org/10.1371/journal.pone.0002909>
- Romeis, J., Meissle, M. & Bigler, F. (2007) Reply to early-tier tests insufficient for GMO risk assessment. Nature Biotechnology 25: 36-37. <https://doi.org/10.1038/nbt0107-36>
- Romeis, J., Meissle, M. & Bigler, F. (2006) Reply to ecological risk assessment for Bt crops. Nature Biotechnology 24: 751-753. <https://doi.org/10.1038/nbt0706-751>
- Romeis, J., Meissle, M. & Bigler, F. (2006) Transgenic crops expressing *Bacillus thuringiensis* toxins and biological control. Nature Biotechnology 24:63-71. <https://doi.org/10.1038/nbt1180>
- Meissle, M. & Lang, A. (2005) Comparing methods to evaluate the effects of Bt maize and insecticide on spider assemblages. Agriculture, Ecosystems and Environment 107: 359-370. <https://doi.org/10.1016/j.agee.2004.12.007>
- Meissle, M., Vojtech, E. & Poppy, G.M. (2005) Effects of Bt-maize-fed prey on the generalist predator *Poecilus cupreus* L. (Coleoptera: Carabidae). Transgenic Research 14: 123-132. <https://doi.org/10.1007/s11248-004-6458-4>
- Vojtech, E., Meissle, M. & Poppy, G.M. (2005) Effects of Bt maize on the herbivore *Spodoptera littoralis* (Lepidoptera: Noctuidae) and the parasitoid *Cotesia marginiventris* (Hymenoptera: Braconidae). Transgenic Research 14: 133-144. <https://doi.org/10.1007/s11248-005-2736-z>

Non Peer-reviewed Publications

- Schlathöller, I., Broggini, G.A.L., Studer, B., Meissle, M., Romeis, J. & Patocchi, A. (2023) Field investigation of consequences from the genetic modification resulting in the fire blight resistant cisgenic apple line C44.4.146. In: Bus, V. & Causse, M. (Eds.) Proceedings of the XXXI International Horticultural Congress (IHC2022): International Symposium on Breeding and Effective Use of Biotechnology and Molecular Tools in Horticultural Crops. Acta Horticulturae 1362: 1-8. <https://doi.org/10.17660/ActaHortic.2023.1362.1>
- Meissle, M. (2023) Bt maize and non-target animals – a systematic review. IOBC-WPRS Bulletin 163: 69-75.

- Meissle, M. (2023) How to combine innovation and precaution towards more sustainable agriculture – considerations for a new way forward. IOBC-WPRS Bulletin 163: 61-68.
- Schlathöller, I., Broggini, G.A.L., Meissle, M., Romeis, J., Studer, B. & Patocchi, A. (2021) Multi-level assessment of field-grown cisgenic apple trees. In: Sedlak, J. & Kellerhals, M. (Eds.) Proceedings of the XV EUCARPIA Symposium on Fruit Breeding and Genetics. Acta Horticulturae 1307: 239-245. <https://doi.org/10.17660/ActaHortic.2021.1307.37>
- Romeis, J. & Meissle, M. (2017) Do GM Plants with Stacked Insecticidal Traits Pose an Increased Risk to Biological Control? In: Mason, P.G., Gillespie, D.R. & Vincent, C. (Eds.) Proceedings of the 5th International Symposium on Biological Control of Arthropods. Langkawi, Malaysia, 11-15 September 2017. [Link](#)
- Meissle, M. (2017) Genetically engineered plants and integrated production. In: Paschke, M. (Ed.) Zurich-Basel Plant Science Center: PSC Summer Schools 2014 and 2016, Agriculture in transformation – Concepts for agriculture production systems that are socially fair, environmentally safe and economically viable. IDEA Verlag GmbH, ISBN 978-3-88793-257-2. <https://doi.org/10.3929/ethz-b-000218321>
- Svobodová, Z., Romeis, J., Skoková Habušťová, O. & Meissle, M. (2016) Susceptibility of *Spodoptera littoralis* (Boisd.) to lepidopteran active Cry proteins in stacked Bt maize. IOBC-WPRS Bulletin 114: 65-70.
- Meissle, M., Romeis, J., Riedel, J., Naranjo, S.E., Kostov, K., Christova, P., Assenov, B., Tsvetkov, I., Slavov, S., Damgaard, C.F., Krogh, P.H., Hendriksen, N.B. & Sweet, J. (2016) Impact of Bt crops on non-target organisms – 3 systematic reviews. IOBC-WPRS Bulletin 114: 37-38.
- Meissle, M., Riedel, J., Balog, A., Bereš, P., Grabowski, M., Bohan, D.A., Pons, X. & Romeis, J. (2016) Arthropod communities in European arable crops – a database. IOBC-WPRS Bulletin 114: 31-35. [Link](#)
- Meissle, M. (2016) How to assess the role of genetically engineered crops in Integrated Plant Production? IOBC-WPRS Bulletin 114: 23-29.
- Riedel, J., Romeis, J. & Meissle, M. (2016) Update and expansion of the database of bio-ecological information on non-target arthropod species established to support the environmental risk assessment of genetically modified crops in the EU. EFSA Supporting Publication 2016:EN-956. European Food Safety Authority (EFSA), Parma, Italy (109pp.). <https://doi.org/10.2903/sp.efsa.2016.EN-956>
- Meissle, M., Álvarez-Alfageme, F., Bigler, F., Bohan, D.A., Devos, Y., Malone, L.A., Pons, X., Rauschen, S. & Romeis, J. (2013) Arthropods in European maize fields – Describing the receiving environment for the risk assessment of GM crops. IOBC-WPRS Bulletin 97: 81-87. [Link](#)
- Kohl, C., Craig, W., Frampton, G., Garcia-Yi, J., van Herck, K., Kleter, G.A., Krogh, P.H., Meissle, M., Romeis, J., Spök, A., Sweet, J., Wilhelm, R. & Schiemann, J. (2013) Developing a good practice for the review of evidence relevant to GMO risk assessment. IOBC-WPRS Bulletin 97: 55-62. [Link](#)
- Meissle, M. (2013) Bt-Mais auch für die Schweiz? Landfreund 11: 24-25.
- Meissle, M. & Romeis, J. (2013) Spiders entangled in environmental risk assessment of genetically engineered crops. In: Mason, P.G., Gillespie, D.R. & Vincent, C. (Eds.) Proceedings of the 4th International Symposium on Biological Control of Arthropods. Pucón, Chile, 4-8 March 2013, Agriculture and Agri-Food Canada, pp. 284-287. [Link](#)
- Meissle, M. (2013) Side effects of *Bacillus thuringiensis* toxins on spiders. In: Nentwig, W. (Ed.) Spider Ecophysiology, pp. 429-440, Springer-Verlag, Berlin Heidelberg, Germany. https://doi.org/10.1007/978-3-642-33989-9_32
- Meissle, M., Álvarez-Alfageme, F., Malone, L.A. & Romeis, J. (2012) Establishing a database of bio-ecological information on non-target arthropod species to support the environmental risk assessment of genetically modified crops in the EU. Supporting Publications 2012:EN-334. European Food Safety Authority (EFSA), Parma, Italy (170pp.). <https://doi.org/10.2903/sp.efsa.2012.EN-334>
- Meissle, M., Romeis, J. & Bigler, F. (2012) Bt-Mais – Ein möglicher Beitrag zur Integrierten Produktion in Europa? Agrarforschung Schweiz 3: 292-297. [Link](#)
- Meissle, M. & Romeis, J. (2011) *Phylloneta impressa* L. Koch (Araneae: Theridiidae) und Bt Mais - Business as usual für die braune Kugelspinne? Mitteilungen der Schweizerischen Entomologischen Gesellschaft 84: 80-81. [Link](#)
- Meissle, M., Romeis, J. & Bigler, F. (2011) Bt maize and IPM in Europe. Outlooks on Pest Management 22: 257-261. <https://doi.org/10.1564/22dec04>
- Bigler, F., Aubert, U., Dubuis, P.-H., Hayer, F., Hernandez-Rivera, J., Mack, G., Meissle, M., Mouron, P., Naef, A. & Strassmeyer, J. (2011) ENDURE – ein Netzwerk für den nachhaltigen Pflanzenschutz in Europa. Agrarforschung Schweiz 2: 72-79. [Link](#)
- Meissle, M. (2009) Compatibility of biological control with Bt maize expressing Cry3Bb1 in controlling corn rootworms. Ph.D. thesis, Bern University, Bern, Switzerland. [Link](#)
- Meissle, M., Bigler, F., Mouron, P., Kabiri, F. & Pons, X. (2009) Non-chemical control of corn borers using *Trichogramma* or Bt maize. From Science to Field, Maize Case Study – Guide Number 1, ENDURE network, [Link](#)
- Romeis, J., Meissle, M., Raybould, A. & Hellmich, R.L. (2009) Impact of insect-resistant transgenic crops on above-ground non-target arthropods. In: Ferry, N. & Gatehouse, A.M.R. (Eds.) Environmental impact of genetically modified crops, pp. 165-198, CAB International, Wallingford, UK. <https://doi.org/10.1079/9781845934095.0165>

- Verein Deutscher Ingenieure (2009) Monitoring der Wirkungen gentechnisch veränderter Organismen (GVO) – Immunchemischer Nachweis von insektiziden Bt-Proteinen gentechnisch veränderter Kulturpflanzen aus Bodenproben und Pflanzenmaterial aus Ernterückständen. VDI Richtlinien, 4330, Blatt 11 (Mitarbeit)
- Meissle, M. & Romeis, J. (2008) Compatibility of biological control with *Bt* maize expressing Cry3Bb1 in controlling corn rootworms. In: Mason, P.G., Gillespie, D.R. & Vincent, C. (Eds.) Proceedings of the 3rd International Symposium on Biological Control of Arthropods. Christchurch, New Zealand, 8-13 February 2009, United States Department of Agriculture, Forest Service, Morgantown, WV, FHTET-2008-06, December 2008, pp.145-160. [Link](#)
- Meissle, M., Hiltbold, I., Turlings, T.C.J. & Romeis, J. (2008) Belowground volatile emission of *Bt* maize after induction of plant defence. IOBC-WPRS Bulletin 33: 85-92. [Link](#)
- Nguyen, H.T., Hunfeld, H., Meissle, M., Miethling-Graff, R., Pagel-Wieder, S., Rauschen, S., Zurbrugg, C., Eber, S., Gessler, F., Romeis, J., Tebbe, C.C., Nentwig, W. & Jehle, J.A. (2008) Round robin quantitation of Cry3Bb1 using the qualitative PathoScreen ELISA. IOBC-WPRS Bulletin 33: 59-66. [Link](#)
- Meissle, M., Vojtech, E. & Poppy, G.M. (2004) Implications for the parasitoid *Campoletis sonorensis* (Hymenoptera: Ichneumonidae) when developing in *Bt* maize fed *Spodoptera littoralis* larvae (Lepidoptera: Noctuidae). IOBC-WPRS Bulletin 27(3): 117-123.
- Ludy, C., Lang, A. & Meissle, M. (2003) Monitoring von Bt-Mais und Effekte auf Nützlingspopulationen am Beispiel von Spinnen. DGaE Nachrichten 17(1): 12.

Editorial work

- Meissle, M., Middelhoff, U. & Bartsch, D. (Eds.) IOBC-WPRS Working group “Modern Biotechnology in Integrated Plant Production”, Proceedings of the ninth meeting at Berlin (Germany), 28-30 September, 2022. IOBC-WPRS Bulletin 163, 2023.
- Meissle, M., De Schrijver, A. & Smagghe, G. (Eds.) IOBC-WPRS Working group “GMOs in Integrated Plant Production”, Proceedings of the eighth meeting at Ghent (Belgium), 4-6 September, 2017. IOBC-WPRS Bulletin 131, 2018.
- Meissle, M. (Ed.) IOBC-WPRS Working group “GMOs in Integrated Plant Production”, Proceedings of the seventh meeting at Sofia (Bulgaria), 1-3 June, 2015. IOBC-WPRS Bulletin 114, 2016.
- Romeis, J. & Meissle, M. (Eds.) IOBC-WPRS Working group “GMOs in Integrated Plant Production”, Proceedings of the sixth meeting on ecological impact of genetically modified organisms (EIGMO) at Berlin (Germany), 3-5 June, 2013. IOBC-WPRS Bulletin 97, 2013.
- Romeis, J., Meissle, M. & Álvarez-Alfageme, F. (Eds.) IOBC/wprs Working group “GMOs in Integrated Plant Production”, Proceedings of the fifth meeting on ecological impact of genetically modified organisms (EIGMO) at České Budějovice (Czech Republic), 22-25 June, 2011. IOBC-WPRS Bulletin 73, 2012.
- Romeis, J., Meissle, M. & Sanvido, O. (Eds.) IOBC/WPRS Working group “GMOs in Integrated Plant Production”, Proceedings of the third meeting on ecological impact of genetically modified organisms at Warsaw (Poland), 23-25 May, 2017. IOBC-WPRS Bulletin 33, 2008.
- Romeis, J. & Meissle, M. (Eds.) IOBC/WPRS Working group “GMOs in Integrated Plant Production”, Proceedings of the meeting: ecological impact of genetically modified organisms at Lleida (Catalonia), Spain, 1-3 June 2005. IOBC-WPRS Bulletin 29 (5), 2006.