

Publications

Peer-reviewed scientific publications

- 123 in total; 41 first author, 80 corresponding author, 107 PI of work; current H-index is 35 (Scopus, accessed 08/23) to 42 (Google Scholar, accessed 08/23)

1. **Schausberger, P.**, Nguyen, T.H. & Altintas, M. (2024). Early-life experience of intraguild predation risk produces adaptive personalities in predatory mites. *iScience* 27, 109065.
2. **Schausberger, P.**, Nguyen, T.H. & Altintas, M. (2023). Spider mite males undress females to secure the first mating. *iScience* 26, 107112.
3. Sato, Y., Egas, M. & **Schausberger, P.** (2023). The operational sex ratio experienced by mothers modulates the expression of sons' alternative reproductive tactics in spider mites. *Behavioral Ecology and Sociobiology* 77, 95.
4. Jafari, M., Goldasteh, S., Aghdam, H.R., Zamani, A.A., Soleyman-Nejadian, E. & **Schausberger, P.** (2023). Thermal oviposition performance of the ladybird *Stethorus gilvifrons* preying on two-spotted spider mites. *Insects* 14, 199.
5. Jafari, M., Goldasteh, S., Aghdam, H.R., Zamani, A.A., Soleyman-Nejadian, E. & **Schausberger, P.** (2023). Modeling thermal developmental trajectories and thermal requirements of the ladybird *Stethorus gilvifrons*. *Insects* 14, 11.
6. **Schausberger, P.** (2022). Grand challenges and bold opportunities in arachnid ecology and behavior. *Frontiers in Arachnid Science* 1, 1097945.
7. **Schausberger P.** & Rendon D. (2022). Transgenerational effects of grandparental and parental diets combine with early-life learning to shape adaptive foraging phenotypes in *Amblyseius swirskii*. *Communications Biology* 5, 246.
8. Hosseini, A., Hosseini, M. & **Schausberger, P.** (2022). Plant growth-promoting rhizobacteria enhance defense of strawberry plants against spider mites. *Frontiers in Plant Science* 12, 783578.
9. **Schausberger, P.**, Çekin, D., Litin, A. (2021). Learned predators enhance biological control via organizational upward and trophic top-down cascades. *Journal of Applied Ecology* 58 (1): 158-166.
10. **Schausberger, P.**, Yano, S., Sato, Y. (2021). Cooperative behaviors in group-living spider mites. *Frontiers in Ecology and Evolution* 9, 745036.
11. **Schausberger, P.** (2021). Not Seeing the Mites for the Hairs. Comment on Möth et al. Unexpected Effects of Local Management and Landscape Composition on Predatory Mites and Their Food Resources in Vineyards. *Insects* 12, 180.
12. **Schausberger, P.** & Sato, Y. (2020). Kin-mediated male choice and alternative reproductive tactics in spider mites. *Biology (Basel)* 9, 360.
13. **Schausberger, P.** & Çekin, D. (2020). Plastic female choice to optimally balance (k)in- and out-breeding in a predatory mite. *Scientific Reports* 10, 7861.
14. **Schausberger, P.**, Seiter, M. & Raspotnig, G. (2020). Innate and learned responses of foraging predatory mites to polar and non-polar fractions of thrips' chemical cues. *Biological Control* 151, 104371.
15. **Schausberger, P.**, Gotoh, T. & Sato, Y. (2019). Spider mite mothers adjust reproduction and sons' alternative reproductive tactics to immigrating alien conspecifics. *Royal Society Open Science* 6, 191201.

16. **Schausberger, P.** & Sato, Y. (2019). Parental effects of male alternative reproductive tactics (ARTs) of ARTs of haploid sons. *Functional Ecology* 33, 1684-1694.
17. Çekin, D. & **Schausberger, P.** (2019). Founder effects on trans-generational dynamics of closed inbreeding lineages of the predatory mite *Phytoseiulus persimilis*. *PLoS ONE* 14, e0215360.
18. **Schausberger, P.** (2018). Herbivore-associated bacteria as potential mediators and modifiers of induced plant defense against spider mites and thrips. *Frontiers in Plant Science* 9, 1107.
19. **Schausberger, P.**, Davaasambuu, U., Saussure, S., & Christiansen, I. C. (2018). Categorizing experience-based foraging plasticity in mites: age dependency, primacy effects and memory persistence. *Royal Society Open Science* 5, 172110.
20. Atalay, D. & **Schausberger, P.** (2018). Balancing in- and out-breeding by the predatory mite *Phytoseiulus persimilis*. *Experimental and Applied Acarology* 74, 159-169.
21. Reinbacher, L., Fernandez-Ferrari, M. C., Angeli, S., & **Schausberger, P.** (2018). Effects of *Metarhizium anisopliae* on host choice of the bee-parasitic mite *Varroa destructor*. *Acarologia* 58, 287-295.
22. **Schausberger, P.**, Walzer, A., Murata, Y. & Osakabe, M. (2017). Low level of polyandry constrains phenotypic plasticity of male body size in mites. *PLoS ONE* 12, e0188924.
23. Christiansen, I.C. & **Schausberger, P.** (2017). Interference in early dual-task learning by predatory mites. *Animal Behaviour* 133, 21-28.
24. Dittmann, L. & **Schausberger, P.** (2017). Adaptive aggregation by spider mites under predation risk. *Scientific Reports* 7, 10609.
25. **Schausberger, P.**, Gratzer, M., Strodl, M.A. (2017). Early social isolation impairs development, mate choice and grouping behaviour of predatory mites. *Animal Behaviour* 127, 15-21.
26. Reichert, M.B., Christiansen, I.C., Seiter, M. & **Schausberger, P.** (2017). Transgenerational loss and recovery of early learning ability in foraging predatory mites. *Experimental and Applied Acarology* 71, 243-258.
27. **Schausberger, P.** & Peneder, S. (2017). Non-associative versus associative learning by foraging predatory mites. *BMC Ecology* 17, 2.
28. Seiter, M. & **Schausberger, P.** (2016). Constitutive and operational variation of learning in foraging predatory mites. *PLoS ONE* 11, e0166334.
29. Christiansen, I.C., Szin, S. & **Schausberger, P.** (2016). Benefit-cost trade-offs of early learning in foraging predatory mites *Amblyseius swirskii*. *Scientific Reports* 6, 23571.
30. **Schausberger, P.**, Patiño-Ruiz, J.D., Osakabe, M., Murata, Y., Sugimoto, N., Uesugi, R., Walzer, A. (2016). Ultimate drivers and proximate correlates of polyandry in predatory mites. *PLoS ONE* 11, e0154355.
31. Ghazy, N.A., Oskabe, M., Negm, M.W., **Schausberger, P.**, Gotoh, T., Amano, H. (2016). Phytoseiid mites under environmental stress. *Biological Control* 96, 120-134.
32. **Schausberger, P.** (2016). Magic or not? Sounds versus colors in sexual selection and genetic divergence of strawberry frogs. *Frontiers in Ecology and Evolution* 4, 99.
33. Freinschlag, J. & **Schausberger, P.** (2016). Predation-risk mediated maternal effects in the two-spotted spider mite *Tetranychus urticae*. *Experimental and Applied Acarology* 69, 35-47.
34. Seiter, M. & **Schausberger, P.** (2015). Maternal intraguild predation risk affects offspring anti-predator behavior and learning in mites. *Scientific Reports* 5, 15046.

35. Khaitov, B., Patiño-Ruiz, J.D., Pina, T. & **Schausberger, P.** (2015). Interrelated effects of mycorrhiza and free-living nitrogen fixers cascade up to aboveground herbivores. *Ecology and Evolution* 5, 3756-3768.
36. Kammerhofer, N., Egger, B., Dobrev, P., Vankova, R., Hofmann, J., **Schausberger, P.**, Wiczorek, K. (2015). Systemic above- and belowground cross talk: hormone-based responses triggered by *Heterodera schachtii* and shoot herbivores in *Arabidopsis thaliana*. *Journal of Experimental Botany* 66, 7005-7017.
37. Walzer, A. & **Schausberger, P.** (2015). Food stress causes sex-specific maternal effects in mites. *Journal of Experimental Biology* 218, 2603-2609.
38. Walzer, A., Lepp, N. & **Schausberger, P.** (2015). Compensatory growth following transient intraguild predation risk in predatory mites. *Oikos* 124, 603-609.
39. Walzer, A. & **Schausberger, P.** (2015). Interdependent effects of male and female body size plasticity on mating behaviour of predatory mites. *Animal Behaviour* 100, 96-105.
40. Patiño-Ruiz, J.D. & **Schausberger, P.** (2014). Spider mites adaptively learn recognizing mycorrhiza-induced changes in host plant volatiles. *Experimental and Applied Acarology* 64, 455-463.
41. **Schausberger, P.** (2014). Taking care of group size and heterogeneity in social recognition systems. *Behavioral Ecology and Sociobiology* 68, 1561-1562.
42. Walzer, A. & **Schausberger, P.** (2014). Canalization of body size matters for lifetime reproductive success of male predatory mites (Acari: Phytoseiidae). *Biological Journal of the Linnean Society* 111, 889-899.
43. Hackl, T. & **Schausberger, P.** (2014). Learned predation risk management by spider mites. *Frontiers in Ecology and Evolution* 2, 58.
44. Borji, F., Rahmani, H. & **Schausberger, P.** (2014). Repeatability of aggressiveness against con- and heterospecific prey in the predatory mite *Neoseiulus californicus* (Acari: Phytoseiidae). *Journal of Agricultural Science and Technology* 16, 1517-1528.
45. Muleta, M.G. & **Schausberger, P.** (2013). Smells familiar: group-joining decisions of predatory mites are mediated by olfactory cues of social familiarity. *Animal Behaviour* 86, 507-512.
46. Fernández-Ferrari, M.C. & **Schausberger, P.** (2013). From repulsion to attraction: species- and spatial context-dependent threat sensitive response of the spider mite *Tetranychus urticae* to predatory mite cues. *Naturwissenschaften* 100, 541-549.
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48. Walzer, A. & **Schausberger, P.** (2013). Intra- and trans-generational costs of reduced female body size caused by food limitation early in life in mites. *PLoS ONE* 8(11), e79089.
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50. Walzer, A. & **Schausberger, P.** (2013). Phenotypic plasticity in anti-intraguild predator strategies: mite larvae adjust their behaviours according to vulnerability and predation risk. *Experimental and Applied Acarology* 60, 95-115.
51. Negloh, K., Hanna, R. & **Schausberger, P.** (2012). Intraguild predation and cannibalism between the predatory mites *Neoseiulus neobaraki* and *N. paspalivorus*, natural enemies of the coconut mite *Aceria guerreronis*. *Experimental and Applied Acarology* 58, 235-246.
52. Peralta-Quesada, P.C. & **Schausberger, P.** (2012). Prenatal chemosensory learning by the predatory mite *Neoseiulus californicus*. *PLoS ONE* 7(12), e53229.

53. Walzer, A. & **Schausberger, P.** (2012). Integration of multiple intraguild predator cues for oviposition decisions by a predatory mite. *Animal Behaviour* 84, 1411-1417.
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56. **Schausberger, P.**, Peneder, S., Jürschik, S. & Hoffmann, D. (2012). Mycorrhiza changes plant volatiles to attract spider mite enemies. *Functional Ecology* 26, 441-449.
57. Strodl, M.A. & **Schausberger, P.** (2012). Social familiarity modulates group living and foraging behaviour of juvenile predatory mites. *Naturwissenschaften* 99, 303-311.
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59. Hoffmann, D., Vierheilig, H., Peneder, S. & **Schausberger, P.** (2011). Mycorrhiza modulates aboveground tri-trophic interactions to the fitness benefit of its host plant. *Ecological Entomology* 36, 574-581.
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62. Mendel, D. & **Schausberger, P.** (2011). Diet-dependent intraguild predation between the predatory mites *Neoseiulus californicus* and *Neoseiulus cucumeris*. *Journal of Applied Entomology* 135, 311-319.
63. Negloh, K., Hanna, R. & **Schausberger, P.** (2011). The coconut mite, *Aceria guerreronis*, in Benin and Tanzania: occurrence, damage and associated acarine fauna. *Experimental and Applied Acarology* 55, 361-374.
64. Walzer, A. & **Schausberger, P.** (2011). Threat-sensitive anti-intraguild predation behavior: maternal strategies to reduce offspring predation risk in mites. *Animal Behaviour* 81, 177-184.
65. Walzer, A. & **Schausberger, P.** (2011). Sex-specific developmental plasticity of generalist and specialist predatory mites (Acari: Phytoseiidae) in response to food stress. *Biological Journal of the Linnean Society* 102, 650-660.
66. **Schausberger, P.**, Walzer, A., Hoffmann, D., Rahmani, H. (2010). Food imprinting revisited: early learning by foraging predatory mites. *Behaviour* 147, 883-897.
67. Abad-Moyano, R., Urbaneja, A. & **Schausberger, P.** (2010). Intraguild interactions between *Euseius stipulatus* and the candidate biocontrol agents of *Tetranychus urticae* in Spanish clementine orchards, *Phytoseiulus persimilis* and *Neoseiulus californicus*. *Experimental and Applied Acarology* 50, 23-34.
68. Abad-Moyano, R., Urbaneja, A., Hoffmann, D. & **Schausberger, P.** (2010). Effects of *Euseius stipulatus* on establishment and efficacy in spider mite suppression of *Neoseiulus californicus* and *Phytoseiulus persimilis* in clementine. *Experimental and Applied Acarology* 50, 329-341.
69. Domingos, C.A., Melo, J.W.D.S., Gondim Jr., M.G.C, De Moraes, G.J., Hanna, R., Lawson-Balagbo, L.M., & **Schausberger, P.** (2010). Diet-dependent life history, feeding preference and thermal requirements of the predatory mite *Neoseiulus baraki* (Acari:

Phytoseiidae). *Experimental and Applied Acarology* 50, 201-215.

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Kreiter, K.D. McCoy, A. Migeon, M. Navajas, M.-S. Tixier, L. Vial (Eds.), Integrative Acarology. Proceedings of the 6th Congress of the European Association of Acarologists, Montpellier, France, pp 130-135.

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