

## Publications

### Peer reviewed scientific publications

- 112 in total; 35 first author, 70 corresponding author, 101 PI of work; current H-index is 31 (Scopus, accessed 11/20)
  
- 1. **Schausberger, P.** & Sato, Y. (2020). Kin-mediated male choice and alternative reproductive tactics in spider mites. *Biology (Basel)* 9, 360.
- 2. **Schausberger, P.** & Çekin, D. (2020). Plastic female choice to optimally balance (k)in- and out-breeding in a predatory mite. *Scientific Reports* 10, 7861.
- 3. **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.
- 4. **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.
- 5. **Schausberger, P.** & Sato, Y. (2019). Parental effects of male alternative reproductive tactics (ARTs) of ARTs of haploid sons. *Functional Ecology* 33, 1684-1694.
- 6. 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.
- 7. **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.
- 8. **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.
- 9. Atalay, D. & **Schausberger, P.** (2018). Balancing in- and out-breeding by the predatory mite *Phytoseiulus persimilis*. *Experimental and Applied Acarology* 74, 159-169.
- 10. 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.
- 11. **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.
- 12. Christiansen, I.C. & **Schausberger, P.** (2017). Interference in early dual-task learning by predatory mites. *Animal Behaviour* 133, 21-28.
- 13. Dittmann, L. & **Schausberger, P.** (2017). Adaptive aggregation by spider mites under predation risk. *Scientific Reports* 7, 10609.
- 14. **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.
- 15. 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.

16. **Schausberger, P.** & Peneder, S. (2017). Non-associative versus associative learning by foraging predatory mites. *BMC Ecology* 17, 2.
17. Seiter, M. & **Schausberger, P.** (2016). Constitutive and operational variation of learning in foraging predatory mites. *PLoS ONE* 11, e0166334.
18. 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.
19. **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.
20. 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.
21. **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.
22. 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.
23. Seiter, M. & **Schausberger, P.** (2015). Maternal intraguild predation risk affects offspring anti-predator behavior and learning in mites. *Scientific Reports* 5, 15046.
24. 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.
25. 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.
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27. Walzer, A., Lepp, N. & **Schausberger, P.** (2015). Compensatory growth following transient intraguild predation risk in predatory mites. *Oikos* 124, 603-609.
28. 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.
29. 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.
30. **Schausberger, P.** (2014). Taking care of group size and heterogeneity in social recognition systems. *Behavioral Ecology and Sociobiology* 68, 1561-1562.
31. 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.
32. Hackl, T. & **Schausberger, P.** (2014). Learned predation risk management by spider mites. *Frontiers in Ecology and Evolution* 2, 58.
33. 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.
34. 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.

35. 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.
36. Strodl, M.A. & **Schausberger, P.** (2013). Social familiarity relaxes the constraints of limited attention and enhances reproduction of group-living predatory mites. *Oikos* 122, 1217-1226.
37. 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.
38. Walzer, A. & **Schausberger, P.** (2013). Integration of multiple cues allows threat-sensitive anti-intraguild predator responses in predatory mites. *Behaviour* 150, 115-132.
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40. 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.
41. Peralta-Quesada, P.C. & **Schausberger, P.** (2012). Prenatal chemosensory learning by the predatory mite *Neoseiulus californicus*. *PLoS ONE* 7(12), e53229.
42. Walzer, A. & **Schausberger, P.** (2012). Integration of multiple intraguild predator cues for oviposition decisions by a predatory mite. *Animal Behaviour* 84, 1411-1417.
43. Strodl, M.A. & **Schausberger, P.** (2012). Social familiarity reduces reaction times and enhances survival of group-living predatory mites under the risk of predation. *PLoS ONE* 7(8), e43590.
44. Zach, G.J., Peneder, S., Strodl, M.A. & **Schausberger, P.** (2012). Social familiarity governs prey patch-exploitation, -leaving and inter-patch distribution of the group-living predatory mite *Phytoseiulus persimilis*. *PLoS ONE* 7(8), e42889.
45. **Schausberger, P.**, Peneder, S., Jürschik, S. & Hoffmann, D. (2012). Mycorrhiza changes plant volatiles to attract spider mite enemies. *Functional Ecology* 26, 441-449.
46. 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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48. 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.
49. Hoffmann, D., Vierheilig, H. & **Schausberger, P.** (2011). Mycorrhiza-induced trophic cascade enhances fitness and population growth of an acarine predator. *Oecologia* 166, 141-149.
50. Hoffmann, D., Vierheilig, H. & **Schausberger, P.** (2011). Arbuscular mycorrhiza enhances preference of ovipositing predatory mites for direct prey-related cues. *Physiological Entomology* 36, 90-95.
51. 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.
52. 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.

53. 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.
54. 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.
55. **Schausberger, P.**, Walzer, A., Hoffmann, D., Rahmani, H. (2010). Food imprinting revisited: early learning by foraging predatory mites. *Behaviour* 147, 883-897.
56. 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.
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58. 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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61. Hoffmann, D., Vierheilig, H., Riegler, P. & **Schausberger P.** (2009). Arbuscular mycorrhizal symbiosis increases host plant acceptance and population growth rates of the two-spotted spider mite *Tetranychus urticae*. *Oecologia* 158, 663-671.
62. Walzer, A. & **Schausberger, P.** (2009). Non-consumptive effects of predatory mites on thrips and its host plant. *Oikos* 118, 934-940.
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65. Palevsky, E., Weintraub, P., Zchori-Fein, E., Argov, A., Castagnoli, M., Liguori, M., Nannelli, R., Simoni, S., **Schausberger, P.**, Walzer, A., Enigl, M., Kreiter, S., Tixier, M.S., Guichou, S., Bolckmans, K., van Houten, Y., Belda, J.E., Steinberg, S., Shapira, N., Charantonis, D., Tsalis, G., Holmqvist, R., Gullans, S., Gross, M., van der Blom, J., Perez Mesa, J.C., Rosenthal, G., Goldfarb, O. (2009). Development of an economic rearing and transport system for an arid adapted strain of the predatory mite, *Neoseiulus californicus*, for spider mite control. In: Sabelis, M.W. & Bruin, J. (Eds.), *Trends in Acarology*, 425-430.
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- Schausberger, P.** (2008). Compatibility of the predatory mites *Neoseiulus paspalivorus* and *Proctolaelaps bickleyi*, candidate biocontrol agents of the coconut mite *Aceria guerreronis*: spatial niche use and intraguild predation. *Experimental and Applied Acarology* 45, 1-13.
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79. **Schausberger, P.** (2007). Kin recognition by juvenile predatory mites: prior association or phenotype matching? *Behavioral Ecology and Sociobiology* 62, 119-125.
80. Seelmann, L., Auer, A., Hoffmann, D. & **Schausberger, P.** (2007). Leaf pubescence mediates intraguild predation between predatory mites. *Oikos* 116, 807-817.
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## Editor

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