

Lista publikacji/Publication list

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Ostap-Chec, M., Bajorek, D., **Antoł, W.**, Miler, K. (2024). Occasional and constant exposure to dietary ethanol shortens the lifespan of worker honey bees. *Journal of Comparative Physiology B* 194, pp. 403-410. <https://doi.org/10.1007/s00360-024-01571-3>

Baran, J., Kosztyła, P., **Antoł, W.**, Labocha, M.; Sychta, K., Drobnia, S.M., Prokop, Z.M. (2024) Reproductive system, temperature, and genetic background effects in experimentally evolving populations of *Caenorhabditis elegans*. *PLoS ONE*, 19(4 APRIL). <https://doi.org/10.1371/journal.pone.0300276>

Palka, J.K., Dyba, A., Brzozowska, J., **Antoł, W.**, Sychta, K., Prokop, Z.M. (2023) Evolution of fertilization ability in obligatorily outcrossing populations of *Caenorhabditis elegans*. *PeerJ* 11:e15825 <http://doi.org/10.7717/peerj.15825>

Pabijan, M., Bąk-Kopaniarz, S., Bonk, M., Bury, S., Oleś, W., **Antoł, W.**, Dyczko, I., Zając, B. (2023) Amphibian decline in a Central European forest and the importance of woody debris for population persistence. *Ecological Indicators* 148

Antoł, W., Byszko, J., Dyba, A., Palka, J., Babik, W., Prokop, Z. (2023) No detectable changes in reproductive behaviour of *Caenorhabditis elegans* males after 97 generations under obligatory outcrossing. *PeerJ* 11:e14572 DOI 10.7717/peerj.14572

Antoł, W., Palka, J.K., Błażejowska, A. et al. (2022) Evolution of Reproductive Efficiency in *Caenorhabditis elegans* Under Obligatory Outcrossing. *Evolutionary Biology* 49, pp. 314-326. <https://doi.org/10.1007/s11692-022-09572-2>

Antoł, W.; Palka, JK; Sychta, K; Dudek, K; Prokop, ZM (2022). Gene conversion restores selfing in experimentally evolving *C. elegans* populations with fog-2 loss-of-function mutation. *microPublication Biology*. 10.17912/micropub.biology.000569. PMC ID: PMC9121179. PubMed ID: 35601754

Palka, J.K., Fiok, K., **Antoł, W.**, Prokop, Z.M. (2020) Competitive fitness analysis using convolutional neural network. *Journal of Nematology*, 52, pp. 1-15

Pabijan, M., Palomar, G., Antunes, B., **Antoł, W.**, Zieliński, P., Babik, W. (2020) Evolutionary principles guiding amphibian conservation. *Evolutionary Applications*, 2020, 13(5), pp. 857–878

Prokop, Z. M., Hlebowicz, K., Gaczorek, T. S., **Antoł, W. M.**, Martin, O. Y., Gage, M. J., Michalczyk, Ł. (2019) No evidence for short-term purging benefits of sexual selection in inbred red flour beetle populations. *Journal of Zoology*, 307(3), pp. 178–185

Plesnar-Bielak, A.; Labocha, M.K.; Kosztyła, P.; Woch, K.R.; **Banot, W.M.**; Sychta, K.; Skarboń, M.; Prus, M.A.; Prokop, Z.M. (2017) Fitness Effects of Thermal Stress Differ Between Outcrossing and Selfing Populations in *Caenorhabditis elegans*. *Evolutionary Biology*, 44, pp.356–364