

Lista publikacji/Publication list

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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 (*in press*)

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