

## СВЕДЕНИЯ О НАУЧНОМ РУКОВОДИТЕЛЕ

по диссертации **Махова Ильи Андреевича** “Пяденицы (Lepidoptera, Geometridae) Байкальского региона: анализ видового состава и создание библиотеки ДНК-баркодов”, представленной на соискание ученой степени кандидата биологических наук по специальности 1.5.14. Энтомология (биологические науки)

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Диссертация защищена по специальности: 1.5.14. Энтомология (биологические науки)

Структурное подразделение: лаборатория систематики насекомых

Должность: главный научный сотрудник

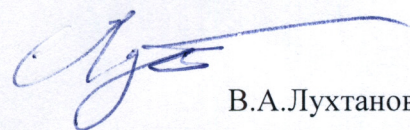
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Список научных трудов по теме диссертации в рецензируемых научных изданиях за последние 5 лет (не более 15):

1. **Lukhtanov V.A.**, Dincă V., Friberg M., Šichová J., Olofsson M., Vila R., Marec F., Wiklund C. 2018. Versatility of multivalent orientation, inverted meiosis, and rescued fitness in holocentric chromosomal hybrids. *Proceedings of the National Academy of Sciences of the United States of America*, 115(41): E9610-E9619. <https://doi.org/10.1073/pnas.1802610115>
2. **Lukhtanov V.A.** 2019. Two types of highly ordered micro- and macrochromosome arrangement in metaphase plates of butterflies (Lepidoptera). *Comparative Cytogenetics* 13(1): 19–25. <https://doi.org/10.3897/CompCytogen.v13i1.32614> (doi: 10.3897/CompCytogen.v13i1.32614)
3. Pazhenkova E.A., **Lukhtanov V.A.** 2019. Nuclear genes (but not mitochondrial DNA barcodes) reveal real species: Evidence from the *Brenthis* fritillary butterflies (Lepidoptera, Nymphalidae). *Journal of Zoological Systematics and Evolutionary Research* 57(2): 298-313. doi: 10.1111/jzs.12252
4. **Lukhtanov V.A.** 2019. Species delimitation and analysis of cryptic species diversity in the XXI century. *Entomological Review* 99(4): 463–472. doi: 10.1134/S0013873819040055
5. **Lukhtanov V.A.**, Efetov K.A., Dantchenko A.V. 2019. Karyotype reinvestigation does not confirm the presence of two cryptic species and interspecific hybridization in the *Polyommatus* (*Agrodiaetus*) *damocles* complex in the Crimea (Lepidoptera, Lycaenidae). *CompCytogen* 13(3): 311–319. doi: 10.3897/CompCytogen.v13i3.46777
6. **Lukhtanov V.**, Sourakov A, Tikhonov V, Zakharov E (2019). Taxonomic rearrangement of the *Erebia tyndarus* species group (Lepidoptera, Nymphalidae, Satyrinae) based on an analysis of *COI* barcodes, morphology and geographic distribution. *Folia Biologica (Kraków)* 67(4): 149-157. [https://doi.org/10.3409/fb\\_67-4.15](https://doi.org/10.3409/fb_67-4.15)
7. **Lukhtanov V.A.**, Dantchenko A.V., Khakimov F.R., Sharafutdinov D., Pazhenkova E.A. 2020. Karyotype evolution and flexible (conventional versus inverted) meiosis in insects with holocentric chromosomes: a case study based on *Polyommatus* butterflies. *Biological Journal of the Linnean Society* 130(4): 683-699. <https://doi.org/10.1093/biolinnean/blaa077>

8. **Lukhtanov V.A.**, Dubatolov V.A. 2020. Phylogenetic position and taxonomic rearrangement of *Davidina* (Lepidoptera, Nymphalidae), an enigmatic butterfly genus new for Europe and America. *Zoological Journal of the Linnean Society* 190(3): 1036–1053, <https://doi.org/10.1093/zoolinnean/zlaa104>
9. **Lukhtanov V.A.**, Dincă V., Friberg M., Vila R., Wiklund C. 2020. Incomplete sterility of chromosomal hybrids: implications for karyotype evolution and homoploid hybrid speciation. *Frontiers in Genetics* 11: 583827. doi: 10.3389/fgene.2020.583827
10. **Lukhtanov V.A.**, Dantchenko A.V., Balayan K.V., Gagarina A.V. 2020. Karyotype and DNA barcode of *Polyommatus (Agrodiaetus) cyaneus* (Staudinger, 1899) from its type locality: implication for taxonomic and evolutionary research in *Polyommatus* blue butterflies (Lepidoptera, Lycaenidae). *Comparative Cytogenetics* 14(4): 567–575. doi: 10.3897/compcytogen.v14.i4.59574
11. **Lukhtanov V.A.**, Dantchenko A.V. 2021. Chromosomal and DNA barcode analysis of the *Polyommatus (Agrodiaetus) damone* (Eversmann, 1841) species complex (Lepidoptera, Lycaenidae). *Comparative Cytogenetics* 15(1): 1-22. doi: 10.3897/compcytogen.v15.i1.60347
12. **Lukhtanov V.A.**, Pazhenkova E.A. 2021. The taxa of the *Hyponephele lycaon* – *H. lupina* species complex (Lepidoptera, Nymphalidae, Satyrinae): deep DNA barcode divergence despite morphological similarity. *Folia Biologica (Kraków)* 69(1): 11-21. [https://doi.org/10.3409/fb\\_69-1.02](https://doi.org/10.3409/fb_69-1.02)
13. **Lukhtanov V.A.**, Gagarina A.V., Pazhenkova E.A. 2021. Chromosomal and DNA barcode analysis of the *Melitaea ala* Staudinger, 1881 species complex (Lepidoptera, Nymphalidae). *Comparative Cytogenetics* 15(2): 199–216. <https://doi.org/10.3897/compcytogen.v15.i2.66121>
14. Pazhenkova E.A., **Lukhtanov V.A.** 2021. Genomic introgression from a distant congener in the Levant fritillary butterfly, *Melitaea acentria*. *Molecular Ecology* 30(19): 4819-4832. doi: 10.1111/mec.16085
15. Talavera G., **Lukhtanov V.**, Pierce N., Vila R. 2022. DNA barcodes combined with multilocus data of representative taxa can generate reliable higher-level phylogenies. *Systematic Biology* 71(2): 382–395. doi:10.1093/sysbio/syab038 (<https://doi.org/10.1093/sysbio/syab038>)

11 апреля 2022г.

  
В.А.Лухтанов

