

Списък на научните трудове на
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I. Автореферат на дисертация за придобиване на образователна и научна степен „доктор” и публикации, свързани с нея

Автореферат:

- 1) **Зехтинджиев П.** (2000) *Нощна миграция на птиците в България*. Автореферат на дисертация. София, Институт по зоология – БАН, София.

Статия в чуждестранни списания, невключени в SCI:

- 2) Bolshakov C., **Zehtindjiev P.**, Bulyuk V., Sinelschikova A. (1998) Flight directions and density of nocturnal passerine migration in the northern part of the Balkan Peninsula in autumn: preliminary results. *Avian Ecology and Behaviour* (St. Petersburg) 1: 50-67.

Статия в българско списание:

- 3) Valkiunas G., Iezhova T., Golemansky V., Pilarska D., **Zehtindjiev P.** (1999) Blood protozoan parasites (Protozoa: Kinetoplastida and Haemosporida) in wild birds from Bulgaria. *Acta Zoologica Bulgarica* 51: 127-129.

II. Научни трудове извън дисертационния труд

II.A. Статии в чуждестранни списания, включени в SCI

- 4) Valkiūnas G., **Zehtindjiev P.**, Hellgren O., Ilieva M., Iezhova T.A., Bensch S. (2007) Linkage between mitochondrial cytochrome *b* lineages and morphospecies of two avian malaria parasites, with a description of *Plasmodium (Novyella) ashfordi* sp. nov. *Parasitology Research* 100(6): 1311-1322.
- 5) Valkiūnas G., **Zehtindjiev P.**, Dimitrov D., Križanauskienė A., Iezhova T. A., Bensch S. (2008) Polymerase chain reaction-based identification of *Plasmodium (Huffia) elongatum*, with remarks on species identity of haemosporidian lineages deposited in GenBank. *Parasitology Research* 102(6): 1185-1193.
- 6) **Zehtindjiev P.**, Ilieva M., Westerdahl H., Hansson B., Valkiunas G., Bensch S. (2008) Dynamics of parasitemia of malaria parasites in a naturally and experimentally infected migratory songbird, the great reed warbler *Acrocephalus arundinaceus*. *Experimental Parasitology* 119: 99–110.
- 7) Hansson B., Hasselquist D., Tarka M., **Zehtindjiev P.**, Bensch S. (2008) Postglacial colonisation patterns and the role of isolation and expansion in driving diversification in a passerine bird. *Public Library of Science ONE* 3(7): e2794.

- 8) **Zehtindjiev P.**, Ilieva M., Križanauskienė A., Oparina O., Oparin M., Bensch S. (2009) Occurrence of haemosporidian parasites in the Paddyfield Warbler, *Acrocephalus agricola* (Passeriformes, Sylviidae). *Acta Parasitologica* 54(4): 295–300; DOI: 10.2478/s11686-009-0052-0
- 9) Mutafchiev Y., **Zehtindjiev P.** & Georgiev B.B. (2009) First record of the nematode *Aviculariella alcedonis* (Yamaguti & Mitunga, 1943) (Spirurida, Acuariidae) in Europe, with SEM observations and comments on its taxonomic position. *Acta Parasitologica* 54 (4): 374–379; DOI: 10.2478/s11686-009-0057-8
- 10) **Zehtindjiev P.**, Ilieva M., Bogdanova M. (2009) Temporal dynamics of passerine bird migration in the Eastern part of the Balkan Peninsula. *Ardeola* 57(2), 375–386.
- 11) Marchetti C., **Zehtindhjiev P.** (2009) Migratory orientation of sedge warblers (*Acrocephalus schoenobaenus*) in relation to eating and exploratory behaviour. *Behavioural Processes* 82(3), 293–300; DOI: 10.1016/j.beproc.2009.07.008
- 12) Dimitrov D., **Zehtindjiev P.**, Bensch S. (2010) Genetic diversity of avian blood parasites in SE Europe: Cytochrome b lineages of the genera *Plasmodium* and *Haemoproteus* (Haemosporida) from Bulgaria. *Acta Parasitologica* 55(3), 201–209; DOI: 10.2478/s11686-010-0029-z
- 13) **Zehtindjiev P.**, Ilieva M., Åkesson S. (2010) Autumn orientation behaviour of paddyfield warblers, *Acrocephalus agricola*, from a recently expanded breeding range on the western Black Sea coast. *Behavioural Processes* 85, 167–171
- 14) **Zehtindjiev P.**, Ilieva M., Hansson B., Oparina O., Oparin M., Bensch S. (2011) Population genetic structure in the paddyfield warbler (*Acrocephalus agricola* Jerd.). *Current Zoology* 57(1), 63–71. ISSN: 1674-5507.
- 15) **Zehtindjiev P.**, Križanauskienė A., Scebba S., Dimitrov D., Valkiūnas G., Hegemann A., Tieleman B. I., Bensch S. (2012) Haemosporidian infections in skylarks (*Alauda arvensis*): a comparative PCR-based and microscopy study on the parasite diversity and prevalence in southern Italy and the Netherlands. *European Journal of Wildlife Research*. 58, 335–344; DOI: 10.1007/s10344-011-0586-y
- 16) Schrey W., Grispo M., Awad M., Cook M. B., Mccoy E. D., Mushinsky H. R., Albayrak T., Bensch S., Burke T., Butler L. K., Dor R., Fokidis H. B., Jensen H., Imboma T., Kessler-rios M. M., Marzal A., Stewart I. R. K., Westerdahl H., Westneat D. F., **Zehtindjiev P.**, Martin B. (2011) Broad-scale latitudinal patterns of genetic diversity among native European and introduced house sparrow (*Passer domesticus*) populations *Molecular Ecology* 20 (6), 1133–1143.

П.Б.Статии в българско списание. включено в SCI:

- 17) Metcheva R., **Zehtindjiev P.**, Savov A., Trakijska E., Yankov Y. (2005) Sex dimorphism established by body weight, beak and flipper length in Gentoo penguins (*Pygoscelis papua*) from Livingston Island. *Acta Zoologica Bulgarica* 57(1): 65–71.

II.B. Статии в други чуждестранни списания

- 18) Bogdanova M., **Zehtindjiev P.** (2000) On the biology of the Ruddy Shelduck in Bulgaria. *Casarca* 6: 243-252.
- 19) Bogdanova M., **Zehtindjiev P.** (2000) Experimental release of Ruddy Shelduck in the nature (preliminary results). *Casarca* 6: 253-257.
- 20) **Zehtindjiev P.** (2001) Nocturnal autumn migration of waterbirds (Anseriformes and Charadriiformes) in North-Eastern Bulgaria. *Ardeola* 48: 1-10.
- 21) **Zehtindjiev P.**, Ilieva M., Ozarowska A., Busse P. (2003) Directional behaviour of the Sedge Warbler (*Acrocephalus schoenobaenus*) studied in two types of orientation cages during autumn migration – a case study *Ring* 25: 53-63.
- 22) **Zehtindjiev P.**, Liechti F. (2003) A quantitative estimate of the spatial and temporal distribution of nocturnal bird migration in south-eastern Europe – a coordinated moon-watching study *Avian Science* 3: 37-45.
- 23) Ilieva M., **Zehtindjiev P.** (2005) Migratory state: body mass and fat level of five species of longdistance migrants during autumn migration in NE Bulgaria *Ring* 27(1): 61-67.
- 24) **Zehtindjiev P.** 2005. Body condition, and fat score in local and passage populations of the Great Reed Warbler (*Acrocephalus arundinaceus*) during the spring migration in NE Bulgaria *Ring* 27(2): 137-143.
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- 26) Симеонов П., **Зехтинджиев П.**, Дилчев Н. (1997) Среднозимно преброяване на водоплаващите птици в Българска Добруджа (януари 1997). *Branta* 9: 15-17.

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- 27) **Zehtindjiev P.**, Shurulinkov P., Tzonev R. (2002) Present status of great bustard (*Otis tarda*) in Bulgaria. In: Proceedings of the International Meeting of the Working Group on the East-European Population of Great Bustard, Harkov, 24-28 October: 42-47.
- 28) **Zehtindjiev P.** (2003) Quantitative assessment of bird migration and topographic effect via High Mountain Network. In: Stamenov, J., Vachev, B. (Eds.) High Mountain Observatories and the challenges of the 21st century. HIMONTONET FP5 Project, Sofia, pp. 231-235.
- 29) Metcheva R., **Zehtindjiev P.**, Yankov Y. (2004) Gentoo penguin colony estimations using digital photography. In: Golemansky, V., Chipev, N. (Eds.) *Bulgarian Antarctic Research, Life Sciences*, 4: 115-121.

- 30) Metcheva R., **Zehtindjiev P.** (2005) Distribution and Abundance of summer bird's community from South Bay (Livingston Island, South Shetland Islands, Antarctica). In: Balkan Scientific Conference, Part II, 453-458.
- 31) **Zehtindjiev P.**, Metcheva R., Savov A., Yankov Y., Ludwig A., Lieckfeldt D. (2006) Polymorphism of the population in Gentoo penguins (*Pygoscelis papua*, Aves: Sphenisciformes) from Livingston Island, South Shetlands. In: Golemansky, V., Mecheva R. (Eds.) *Bulgarian Antarctic Research, Life Sciences*, 5: 1-9.
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II.E. Глави и части от книги

- 33) Kutzarov I., **Zehtindziev P.**, Iankov P., Marinov M., Kurtev M. (1997) Kalimok Complex. In: Kostadinova, I. (comp.), Important Bird Areas in Bulgaria. BSPB Conservation Series. Book 1, Sofia, BSPB, pp. 101-103.
- 34) Куцаров Й., Янков П., Маринов М., Куртев М., **Зехтинджиев П.** (2007) Комплекс Калимок. В: Костадинова, И., Граматиков, М. (Ред.) Орнитологично важните места в България и Натура 2000. БДЗП Природозащитна поредица. Книга 11. София, БДЗП, с. 217-220.
- 35) Илиева М., **Зехтинджиев П.**, Куцаров Й., Георгиев Д. (2008) Червен ангъч. В: Янков П. (Ред.) Атлас на гнездящите птици в България. Българско дружество за защита на птиците, Природозащитна поредица, Книга 10. София, БДЗП, с. 94-95.
- 36) Георгиев Д., Янков П., **Зехтинджиев П.**, Илиева М. (2008) Дропла. В: Янков П. (Ред.) Атлас на гнездящите птици в България. Българско дружество за защита на птиците, Природозащитна поредица, Книга 10. София, БДЗП, с. 230-231.
- 37) **Зехтинджиев П.**, Илиева М., Делов В. (2008) Полски цвъркач. В: Янков П. (Ред.) Атлас на гнездящите птици в България. Българско дружество за защита на птиците, Природозащитна поредица, Книга 10. София, БДЗП, с. 470-471.
- 38) Илиева М., Делов В., **Зехтинджиев П.** (2008) Мустакато шаварче. В: Янков П. (Ред.) Атлас на гнездящите птици в България. Българско дружество за защита на птиците, Природозащитна поредица, Книга 10. София, БДЗП, с. 476-477.
- 39) **Зехтинджиев П.**, Василев В., Илиева М., Делов В. (2008) Крайбрежно шаварче. В: Янков П. (Ред.) Атлас на гнездящите птици в България. Българско дружество за защита на птиците, Природозащитна поредица, Книга 10. София, БДЗП, с. 478-479.
- 40) Василев В., Георгиев Д., Дерелиев С., Делов В., **Зехтинджиев П.**, Илиева М. (2008) Блатно шаварче. В: Янков П. (Ред.) Атлас на гнездящите птици в България. Българско дружество за защита на птиците, Природозащитна поредица, Книга 10. София, БДЗП, с. 484-485.

- 41) **Зехтинджиев П.**, Антонов А., Дерелиев С., Василев В. (2008) Тръстиково шаварче. В: Янков П. (Ред.) Атлас на гнездящите птици в България. Българско дружество за защита на птиците, Природозащитна поредица, Книга 10. София, БДЗП, с. 486-487.
- 42) **Зехтинджиев П.**, Петков Н., Йорданов С. (2008) Малко белогушо коприварче. В: Янков П. (Ред.) Атлас на гнездящите птици в България. Българско дружество за защита на птиците, Природозащитна поредица, Книга 10. София, БДЗП, с. 502-503.

III. Списък на публикациите в списания, включени в SCI след заемане на академичната длъжност „доцент“

- 43) Hahn, S., Korner-Nievergelt, F., Emmenegger, T., Amrhein, V., Csörgő, T., Gursoy, A., Ilieva, M., Kverek, P., Pérez-Tris, J., Pirrello, S., Zehindjiev, P. and Salewski, V. (2015), Longer wings for faster springs – wing length relates to spring phenology in a long-distance migrant across its range. *Ecology and Evolution*. doi:10.1002/ece3.1862
- 44) Martin P. M., **Zehindjiev P.**, Dimitrov D., Ilieva M., Bobeva A., Marchetti Ch. (2015). Haemosporidian infections and host behavioural variation: a case study on wild-caught nightingales (*Luscinia megarhynchos*), *Ethology Ecology & Evolution*, doi: 10.1080/03949370.2015.1102776.
- 45) Asghar M., Hasselquist D., Hansson B., **Zehindjiev P.**, Westerdahl H., Bensch S. (2015) Hidden costs of infection: chronic malaria accelerates telomere degradation and senescence in wild birds. *Science*, 347:. 436-438 . doi: 10.1126/science.1261121
- 46) Ivanova K, **Zehindjiev P**, Mariaux J, Georgiev BB (2015) Genetic diversity of avian haemosporidians in Malaysia: Cytochrome b lineages of the genera *Plasmodium* and *Haemoproteus* (Haemosporida) from Selangor. *Infection, Genetics and Evolution*, 31: 33-39. doi 10.1016/j.meegid.2015.01.004
- 47) Bobeva, A., **Zehindjiev, P.**, Ilieva, M., Dimitrov D., Mathis A., Bensch, S. (2015) Host preferences of ornithophilic biting midges of the genus *Culicoides* in Eastern Balkans with respect to transmission of haemosporidian parasites. *Medical and Veterinary Entomology*, 29:290–296. doi: 10.1111/mve.12108
- 48) Bobeva, A., Ilieva, M., Dimitrov, D., **Zehindjiev, P.** (2014) Degree of associations among vectors of the genus *Culicoides* (Diptera: Ceratopogonidae) and host bird species with respect to haemosporidian parasites in NE Bulgaria. *Parasitology Research*, 113: 4505–4511. doi: 10.1007/s00436-014-4140-1
- 49) Dimitrov, D., Palinauskas, V., Iezhova, T. A., Bernotene, R., Ilgūnas, M., Bukauskaitė, D., **Zehindjiev, P.**, Ilieva, M., Shapoval, A. P., Bolshakov, C. V., Markovets, M. Y., Bensch, S., Valkiūnas, G. (2014) *Plasmodium* spp.: An experimental study on vertebrate host susceptibility to avian malaria. *Experimental Parasitology, Exp Parasitol.* 148:1-16. doi: 10.1016/j.exppara.2014.11.005. Epub 2014 Nov 18

- 50) Hahn S., Emmenegger T., Lisovski S., Amrhein V., **Zehtindjiev P.**, Liechti F. (2014) Variable detours in long-distance migration across ecological barriers and their relation to habitat availability at ground Ecology and Evolution, , 4: 4150–4160, doi: 10.1002/ece3.1279.
- 51) Dimitrov, D., **Zehtindjiev, P.**, Bensch, S., Ilieva, M., Iezhova, T., Valkiūnas, G. (2014) Two new species of *Haemoproteus* Kruse, 1890 (Haemosporida, Haemoproteidae) from European birds, with emphasis on DNA barcoding for detection of haemosporidians in wildlife. *Systematic Parasitology*, 87: 135–151. doi: 10.1007/s11230-013-9464-1.
- 52) Valkiūnas, G., Palinauskas, V., Ilgūnas, M., Bukauskaitė, D., Dimitrov, D., Bernotienė, R., **Zehtindjiev, P.**, Ilieva, M., Iezhova, T.A. (2014) Molecular characterization of five widespread avian haemosporidian parasites (Haemosporida), with perspectives on the PCR-based detection of haemosporidians in wildlife. *Parasitology Research*, 113: 2251–2263. doi: 10.1007/s00436-014-3880-2
- 53) Bobeva A., **Zehtindjiev P.**, Bensch S., Radrova J. (2013) A survey of biting midges of the genus *Culicoides* Latreille, 1809 (Diptera: Ceratopogonidae) in NE Bulgaria, with respect to transmission of avian haemosporidians. *Acta Parasitologica*, 58: 585 – 591, doi: 10.2478/s11686-013-0185-z.
- 54) Dimitrov, D., Valkiūnas, G., **Zehtindjiev, P.**, Ilieva, M., Bensch, S. (2013) Molecular characterization of haemosporidian parasites (Haemosporida) in yellow wagtail (*Motacilla flava*), with description of in vitro ookinetes of *Haemoproteus motacillae*. *Zootaxa*, 3666: 369–381. doi:dx.doi.org/10.11646/zootaxa.3666.3.7
- 55) **Zehtindjiev P.**, Ivanova K, Mariaux J, Georgiev B. B. (2013) First data on the genetic diversity of avian haemosporidians in China: cytochrome b lineages of the genera *Plasmodium* and *Haemoproteus* (Haemosporida) from Gansu Province. *Parasitol Res* 112:3509 – 3515. doi 10.1007/s00436-013-3533-x
- 56) Hahn S, Amrhein V, **Zehtindjiev P.**, Liechti F. (2013) Strong migratory connectivity and seasonally shifting isotopic niches in geographically separated populations of a long-distance migrating songbird. *Oecologia* , 173:1217-25 doi 10.1007/s00442-013-2726-4
- 57) Ożarowska A, Ilieva M, Zehtindjiev P , Åkesson S, and Muś K. (2013) A new approach to evaluate multimodal orientation behaviour of migratory passerine birds recorded in circular orientation cages. *The Journal of Experimental Biology* 216, 4038-4046, doi:10.1242/jeb.088757
- 58) **Zehtindjiev P.**, Križanauskienė A, Bensch S, Palinauskas V, Asghar M, Dimitrov D, Scebba S, Valkiūnas G.(2012). A new morphologically distinct avian malaria parasite that fails detection by established PCR-based protocols for amplification of the cytochrome B gene. *J. Parasitol* 98: 657-665.
- 59) Neto J.M., Arroyo J.L., Bargain B., Monros J.S., Matrai N., Prochazka P., **Zehtindjiev P.** (2012) Phylogeography of a Habitat Specialist with High Dispersal

Capability: The Savi's Warbler *Locustella luscinioides*. PLoS ONE 7: e38497.
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- 60) Muhammad .A, Westerdahl H., **Zehindjiev P.**, Ilieva M, Hasselquist D., Bensch S. (2012). Primary peak and chronic malaria infection levels are correlated in experimentally infected great reed warblers *Parasitology*,139: 1246-1252
doi:10.1017/S0031182012000510
- 61) Marc de Dinechin, F. Dobson S., **Zehindjiev P.**, Metcheva R., Couchoux C., Martin A., Quillfeldt P., and Jouventin P. (2012) The biogeography of Gentoo Penguins (*Pygoscelis papua*). *Can. J. Zool.* 90: 352–360 doi:10.1139/Z2012-016
- 62) Marzal A., Ricklefs R. E., Valkiūnas G. Albayrak T. Arriero E., Bonneaud C., Czirják, G.A. Ewen J., Hellgren O., Hořáková D., Iezhova T. A., Jensen H., Križanauskienė A., Lima M., R. de Lope F., Magnussen E., Martin L.B., Møller, P., Palinauskas, V., Pap, P. L., Pérez-Tris J., Sehgal R.N. M., Soler M., Szöllősi E., Westerdahl, H., **Zehindjiev P.**, Bensch S., (2011). Diversity, Loss, Gain of Malaria Parasites in a Globally Invasive Bird. PLoS ONE 6: e21905. doi:10.1371/journal.pone.0021905