

Списък на научните трудове на д-р Петър Иванов Христов,

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(във връзка с участието в конкурс за професор, професионално направление 4.3.
«Биологически науки», научна специалност “Генетика”, септември 2020 г.)

Научни трудове, които не са свързани с придобиване на научни степени или предходна хабилитация

1.1. Глави от книги, публикувани в чужбина

1. **Hristov, P.**, Shumkova, R., Georgieva, A., Sirakova, D., Neov, B., Dzhebir, G., & Radoslavov, G. (2018). Methods for Genotyping of the Honey Bee (*Apis mellifera* L.: Hymenoptera: Apidae) in Bulgaria. Edited by Ibrokhim Abdurakhmonov, InTech. DOI: 10.5772/intechopen.71242, ISBN: 978-1-78923-281-3. <https://www.intechopen.com/books/genotyping/methods-for-genotyping-of-the-honey-bee-apis-mellifera-l-hymenoptera-apidae-in-bulgaria>
2. **Hristov, P.**, Mitkov, I., Sirakova, I., Mehandgijski, I., Radoslavov, G. (2016). Measurement of Casein Micelle Size in Raw Dairy Cattle Milk by Dynamic Light Scattering, Milk Proteins - From Structure to Biological Properties and Health Aspects. Dr. Isabel Gigli (Ed.), InTech, DOI: 10.5772/62779. ISBN: 978-953-51-2537-2. <https://www.intechopen.com/books/milk-proteins-from-structure-to-biological-properties-and-health-aspects/measurement-of-casein-micelle-size-in-raw-dairy-cattle-milk-by-dynamic-light-scattering>

1.2. Статии в чуждестранни списания с импакт фактор

3. **Hristov, P.**; Neov, B.; Shumkova, R.; Palova, N. (2020). Significance of Apoidea as Main Pollinators. Ecological and Economic Impact and Implications for Human Nutrition. *Diversity*, 12, 280. DOI: <http://dx.doi.org/10.3390/d12070280>.
4. **Hristov, P.**, Yordanov, G., Vladov, V., Neov, B., Palova, N., & Radoslavov, G. (2020). Mitochondrial profiles of the East Bulgarian and the Pleven Horse Breeds. *Journal of Equine Veterinary Science*, 88, 102933. DOI: <https://doi.org/10.1016/j.jevs.2020>.
5. Neov B, Georgieva A, Shumkova R, Radoslavov G, **Hristov P.** (2019). Biotic and Abiotic Factors Associated with Colonies Mortalities of Managed Honey Bee (*Apis mellifera*). *Diversity*, 11(12), 237. DOI: <https://doi.org/10.3390/d11120237>. IF 2.047
6. Yankova, I.; Marinov, M.; Neov, B.; Petrova, M.; Spassov, N.; **Hristov, P.**; Radoslavov, G. (2019). Evidence for Early European Neolithic Dog Dispersal: New Data on

Southeastern European Subfossil Dogs from the Prehistoric and Antiquity Ages. *Genes*, 10, 757. DOI: 10.3390/genes10100757.

7. Nadezhda, P, Yankova, I, Neov, B, **Hristov, P**, Radoslavov, G. (2019). Mitochondrial diversity of the East Balkan swine (*Sus scrofa f. domestica*) in South-Eastern Bulgaria. *Acta Veterinaria-Beograd*, 69(2), 229-236. DOI:10.2478/acve-2019-0018.
8. Lazarova SS, Elshishka M, Radoslavov G, Lozanova L, **Hristov P**, Mladenov A, Zheng J, Fanelli E, De Luca F, Peneva VK (2019). Molecular and morphological characterisation of *Longidorus polyae* sp. n. and *L. pisi* Edward, Misra & Singh, 1964 (Dorylaimida, Longidoridae) from Bulgaria. *ZooKeys*, 830, 75-98. DOI: <https://doi.org/10.3897/zookeys.830.32188>.
9. Georgieva, K., **Hristov, P.**, Tsocheva-Gaytandzhieva, N. et al. (2019). Inhibition of *Fasciola hepatica* infection in *Galba truncatula* snails by application of monosaccharides to the aquatic environment. *Biologia*, 74(5), 463–467. DOI: <https://doi.org/10.2478/s11756-018-00182-y>.
10. Neov, B., Vasileva, G.P., Radoslavov, G., **Hristov, P.**, Littlewood, T., Georgiev, B. (2019). Phylogeny of hymenolepidid cestodes (Cestoda: Cyclophyllidea) from mammalian hosts based on partial 28S rDNA, with focus on parasites from shrews. *Parasitol. Res.* 118(1), 73–88. DOI: <https://doi.org/10.1007/s00436-018-6117-y>.
11. Marinov M, Teofanova D, Gadjev D, Radoslavov G, **Hristov P.** (2018). Mitochondrial diversity of Bulgarian native dogs suggests dual phylogenetic origin. *PeerJ*, 6, e5060. DOI: <https://doi.org/10.7717/peerj.5060>.
12. Shumkova R, Neov B, Sirakova D, Georgieva A, Gadjev D, Teofanova D, Radoslavov G, Bouga M, **Hristov P.** (2018). Molecular detection and phylogenetic assessment of six honeybee viruses in *Apis mellifera* L. colonies in Bulgaria. *PeerJ*, 6, e5077. DOI: <https://doi.org/10.7717/peerj.5077>. IF 2.2
13. Shumkova R, Georgieva A, Radoslavov G, Sirakova D, Dzhebir G, Neov B, Bouga M, **Hristov P.** (2018). The first report of the prevalence of *Nosema ceranae* in Bulgaria. *PeerJ*, 6, e4252. DOI: <https://doi.org/10.7717/peerj.4252>.
14. **Hristov, P.**, Teofanova, D., Georgieva, A., Radoslavov, G. (2018). Effect of genetic polymorphism of α S1- casein gene on qualitative and quantitative milk traits in native Bulgarian Rhodopean cattle breed. *Genet. Mol. Res.* 17(1), gmr16039868. DOI: 10.4238/gmr16039868.
15. **Hristov, P.**, Sirakova, D., Mitkov, I., Spassov, N., & Radoslavov, G. (2018). Balkan brachicerous cattle – the first domesticated cattle in Europe. *Mitochondrial DNA Part A, DNA Mapping, Sequencing*, 29(1), 56– 61. DOI: 0.1080/24701394.2016.1238901.
16. **Hristov, P.**, Yordanov, G., Ivanova, A., Mitkov, I., Sirakova, D., Mehandzyiski, I., & Radoslavov, G. (2017). Mitochondrial diversity in mountain horse population from the South-Eastern Europe. *Mitochondrial DNA Part A, DNA Mapping, Sequencing*, 28(6), 787-792. DOI: 10.1080/24701394.2016.1186667.
17. **Hristov, P.**, Spassov, N., Iliev, N., Radoslavov, G. (2017). An independent event of Neolithic cattle domestication on the South-eastern Balkans: evidence from prehistoric

aurochs and cattle populations. *Mitochondrial DNA Part A, DNA Mapping, Sequencing*, 28(3), 383-391. DOI: 10.3109/19401736.2015.1127361.

18. Elshishka M, Lazarova S, Radoslavov G, **Hristov P**, Peneva VK (2017). Biogeography and phylogenetic position of *Enchodeloides signyensis* (Loof, 1975), gen. n., comb. n. from Maritime Antarctic (Nematoda, Nordiidae). *ZooKeys*, 697, 37–58. DOI: <https://doi.org/10.3897/zookeys.697.13770>.
19. Groza M, Lazarova S, De Luca F, Fanelli E, Elshishka M, Radoslavov G, **Hristov P**, Coman M, Peneva V (2017). The morphological and molecular identity of *Longidorus piceicola* Lišková, Robbins & Brown, 1997 from Romania (Nematoda, Dorylaimida). *ZooKeys*, 667, 1-19. DOI: <https://doi.org/10.3897/zookeys.667.12011>.
20. Radoslavov, G., **Hristov, P.**, Shumkova, R., Mitkov, I., Sirakova, D., Bouga, M. (2017). A specific genetic marker for the discrimination of native Bulgarian honey bees (*Apis mellifera rodopica*): Duplication of *col* gene fragment. *Journal of Apicultural Research*, 56(3), 196–202. DOI:10.1080/00218839.2017.1307713.
21. Elshishka, M., Lazarova, S., Radoslavov, G., **Hristov, P.**, & Peneva, V. K. (2015). New data on two remarkable Antarctic species *Amblydorylaimus isokaryon* (Loof, 1975) Andrassy, 1998 and *Pararhyssocolpus paradoxus* (Loof, 1975), gen. n., comb. n. (Nematoda, Dorylaimida). *ZooKeys*, 511, 25-68. <http://dx.doi.org/10.3897/zookeys.511.9793>.

1.3. Статии в други чуждестранни списания без импакт фактор

22. **Hristov, P.**, Radoslavov, G. (2015). A Review of Methods for Genotyping Milk Proteins in Cattle. *Advances in Dairy Research*, 3, 144. DOI:10.4172/2329-888X.1000144. <https://www.longdom.org/archive/adr-volume-3-issue-3-year-2015.html>
23. **Hristov, P.I.**, Rositsa, S., Bojko, N., Georgi, R. (2015). Molecular Identification of *Nosema ceranae* and *Nosema apis* in Native Bulgarian Honey Bee (*Apis mellifera rodopica*). *Journal of Veterinary Science & Medical Diagnosis*, 4, 4. DOI:10.4172/2325-9590.1000165 https://www.scitechnol.com/molecular-identification-ofnosema-ceranae-and-nosemaapis-in-native-bulgarian-honeybee-apis-mellifera-rodopica-Be86.php?article_id=3627
24. Zagorchev, L, Teofanova, D, **Hristov, P.** (2018). Changes in the protein and carbohydrate profile of kefir beverage, acquired from kefir grain of unknown origin. *Asian Journal of Microbiology and Biotechnology*, 3(3), 90-95. <https://www.ikpress.org/index.php/AJMAB/article/view/4211>

1.4. Статии в български списания, индексирани в SCOPUS

25. Shumkova, R., B. Neov, A. Georgieva, D. Teofanova, G. Radoslavov & **P. Hristov.** (2020). Resistance of native honey bees from Rhodope Mountains and lowland regions of Bulgaria to *Nosema ceranae* and viral pathogens. *Bulg. J. Vet. Med.*, 23(2), 206-217. DOI: 10.15547/bjvm.2201

1.5. Статии в български списания, неиндексирани в SCOPUS

26. Dzhebir, G, Yordanov, G, Yankova, I, Sirakova, D, Petrova, M, Neov, B, **Hristov, P**, Radoslavov, G, Hristova, L, Spassov, N. (2018). Comparative genetic analysis of subfossil wild horses (from the Neolithic Age and Early Bronze Age) and present-day domestic horses from Bulgaria. *Historia naturalis bulgarica*, 25, 3-10. DOI: <http://www.nmnh.com/historia-naturalis-bulgarica/>

1.6. Публикувана рецензия на книга

27. **Hristov, P.** (2020). Book Review - Ilyasov R. A. & Kwon H. W. (Eds.) 2019. PHYLOGENETICS OF BEES. Boca Raton, Florida: CRC Press. 283 p. ISBN 9781138504233. *Acta Zoologica Bulgarica*, 72(1), 161-162. DOI: <http://www.acta-zoologica-bulgarica.eu/0721161>,

1.7. Статии в тематични сборници

28. Джебир Гюлнас, Петрова Мария, **Христов Петър**, Радославов Георги, Русева Виктория, Нехризов Георги, Угринова Ива. (2018). Генетичен анализ на антропологичен материал от могилен некропол при с. Стамболово, Хасковско. Тракийската древност: технологични и генетични изследвания, история и нематериално наследство, Академично издателство "Проф. Марин Дринов", ISBN: 978-954-322-913-0, pp. 33-51.
<http://knigabg.com/index.php?page=book&id=47846>
29. Джебир Гюлнас, Янкова Искра, Сиракова Даниела, Петрова Мария, **Христов Петър**, Радославов Георги, Христова Латинка, Спасов Николай. (2018). Сравнителен генетичен анализ на съвременни и на диви коне от епохата на неолита и ранната бронзова епоха в българските земи. Тракийската древност: технологични и генетични изследвания, история и нематериално наследство. Академично издателство "Проф. Марин Дринов", ISBN: 978-954-322-913-0, pp. 120-124.
<http://knigabg.com/index.php?page=book&id=47846>