

ARCHAEOZOOLOGY IN BULGARIA, A HISTORIOGRAPHIC REVIEW



Stella Nikolova, Doctoral Student

National Institute of Archaeology with Museum
Bulgarian Academy of Sciences
e-mail: stella.nikolova97@gmail.com

Received: April 23, 2024

Processed: June 7, 2024

Approved: July 15, 2024

Published: November 7, 2024

DOI <https://doi.org/10.62761/OB2024SN>

Abstract. *The following paper presents the first full review on the archeozoological studies conducted in Bulgaria. Archeozoology is a highly regarded subdiscipline of archaeology, and with the growing development of physicochemical analysis animals remains are a key factor for absolute dating of materials, reconstruction of ancient diets, research of husbandry practices, and the overall relationship between humans and their animals. To carry out studies researchers rely on cross referencing all available regional and chronological data, which requires the incorporation of older studies. In Bulgaria osteological specialists form a small part of the archaeological and zoological community, and while many authors who are currently active upload their publications online, very little information is available on older publications. The materials from older excavations are not always available, as in the past many animal bones were disposed of, after their initial recording. Older publications tend to be spread across multiple conference proceedings, regional museum bulletins, and in the appendix of site monographs. Discovering the articles is problematic, even to active local specialists, as there is not a single place that you can find them referenced. Authors usually reference their own work, or the publication of a more famous site. To solve this problem, the following work presents the first fuller bibliography, which was compiled after personal communication with the active authors, reviews of the annual reports of the archaeological institute, review of library catalogues, and the scientific archive of the Bulgarian Academy of Sciences. The first part presents a short overview of published works, and biographical data on the main researchers.*

Keywords: *zooarchaeology, historiography, bibliography, osteoarcheology, faunal remains, Bulgaria, sub-fossil, museum collections.*

Introduction

Archaeozoology is one of the prominent branches of Archaeology. It explores past human-animal interactions through the analysis of recovered archaeological animal remains. Animal bones and pottery make up the bulk of recovered archaeological materials from sites, but to interpret them in a cultural context, a comparative analysis for the period and region is required. As

animal remains were treated as less valuable „mass material“, they were often thrown away after recording or not collected, especially during excavations before the 1960s. While the field of Archaeozoology has now developed far beyond lists of animal remains, the problems regarding the proper way to incorporate data from old publications are standing. The materials from Bulgaria remain widely unknown to the scientific commu-

Stella Nikolova, “Archaeozoology in Bulgaria, a historiographic review”, *Obscured Balkans* 1 (2024), pp. 219–249. DOI <https://doi.org/10.62761/OB2024SN>, ISSN 3033-1331

nity, as many older publications are very difficult to find, and some are not easy to trace even in digital library databases. There is no available online full bibliographic publication, like the ones compiled for Greece (Reese, 1994) and Romania (Bălăşescu et al. 2003). The following paper presents a complete list, alongside some information regarding the main authors, and an overview of the number of publications per period. The bibliographic appendix is divided into parts based on chronological periods (Paleolithic, Neolithic and Chalcolithic, Bronze Age, Iron Age, Roman period, Middle Ages), with the last part containing articles that discuss either a single species throughout different periods, aDNA research, or methodological works.

Archaeozoological research in Bulgaria (an overview of current research)

In Bulgaria the only current archaeozoological lab is in the National Natural History Museum, which houses a large reference collection. In the National Archaeological Institute with Museum (NAIM-BAS) the discipline is part of the „Interdisciplinary Research department“, established under the name ‘Problem group for interdisciplinary research’, which unites archaeobotanical, archaeozoological, geophysical, GIS, and surveys. Currently there is a separate storage facility for faunal remains, but a larger lab, equipped with a reference collection has yet to be constructed. Outside of Sofia, there is no museum that has employed an archaeozoologist. There used to be a third functioning lab and storage within the natural History department of the Regional museum of the city of Yambol, but it closed in the early 2000s. Many local museums store faunal remains from different excavations, but they are rarely listed in the official inventories.

The discipline is currently not taught in Bulgarian universities, although it is a regular part of the curriculum of Archaeological departments across Europe. This was not always the case, as during the early 20th century faunal analysis was part of the Prehistory course in Sofia University and was lectured by Dr. Rafail Popov (Florova, 1963, pp. 23–95). By the early 2000s there were sporadic lectures by Dr. Lazar Ninov, but the course is currently not active. This has significant-

ly restricted faunal specialists to people with a prior background in veterinary science or zoology, with few archaeologists specializing in the field. While the number of people working with faunal remains in Bulgaria is restricted, the number of publications accumulated during the years is not short.

Most publications feature a faunal list and report related to a certain site, while others are more thematic focusing on a certain animal species. One of the obvious shortcomings is that there is little connection between the publications, as most do not reference a wider range of sites for comparison. This is partly due to the difficulty in acquiring them, as many were published in conference proceedings or local museum bulletins. This has led to a certain ‘isolation’, as studies from international scholars are restricted in the information they possess regarding Bulgarian faunal assemblages.

Chronologically, the biggest number of publications come from articles on Palaeolithic sites, as faunal remains are a significant part of the research. They are followed by Neolithic and Chalcolithic assemblages, as early farming is a topic that intrigues prehistoric archaeologists. The Bronze age assemblages are understudied, as very few sites have their own publication, but this partly due to the problem in research, as very few Bronze age sites are fully published. This trend will probably change in the following years, as more materials from the Bronze age are encountered during commercial construction work. The research of Roman assemblages is also well developed, as many Roman sites are part of international expeditions. These publications are of higher quality, as both local and foreign publications are very detailed, giving information about the species and measurements that can be used for comparative research. The Medieval period is also well documented, as there is a big local interest in both pagan burial complexes with animal sacrifices, and the lifestyle of the inhabitants of fortresses, and villages. Based on quality the publications of the Iron Age assemblages are the most underwhelming. The archaeozoological research has been focused on rich burial complexes with horse sacrifices, while assemblages from settlements are either lacking or presented with preliminary reports (). In the case of Seuthopolis, one

of the most important fully researched fortified settlements of the Early Hellenistic period, the faunal assemblage from the Iron Age and Medieval period were mixed, which has deemed it unfit for comparison (Markov, 1958). Very few publications employ more interdisciplinary methods as stable isotopes, or ancient DNA analysis. The ones that do are part of larger projects due to the cost of the said analysis, but this tendency will probably change for the better in the future. The main problems with many publications are the lack of detail information regarding the archaeological context, element distribution, taphonomy, and metric data. During the last few years, a positive trend can be observed, as many faunal reports have started to be part of the archaeological documentation, which is annually deposited in the scientific archive of the archaeological institute. In these reports the information is often more detailed compared to the publication and can be used for future studies.

a scholar in the natural sciences, alongside an interest in the humanities led to this specialization. He obtained a Phd in Palaeontology in Germany and developed an interest in the Pleistocene. As Pleistocene research flourished in the end of the 19th century with discoveries of more Neanderthal sites, Popov saw an opportunity in examining the unstudied caves of Bulgaria. Upon returning he established an archaeological society in the town of Shumen, which became the foundation of the local museum. The started researching deposits in the caves Mirizlivkata, Bacho Kiro, Devetashkata peshtera, Temnata dupka, and many more. His background helped him identify animal remains and worked bone tools. He established a Prehistory department in 1915 within the then Tsarski Natural History Museum (now the National Natural history museum), as then prehistory was considered part of Palaeontology. In 1929 he became the director of the National Archaeological Museum (Kanev, 1995). His research gradually grew,

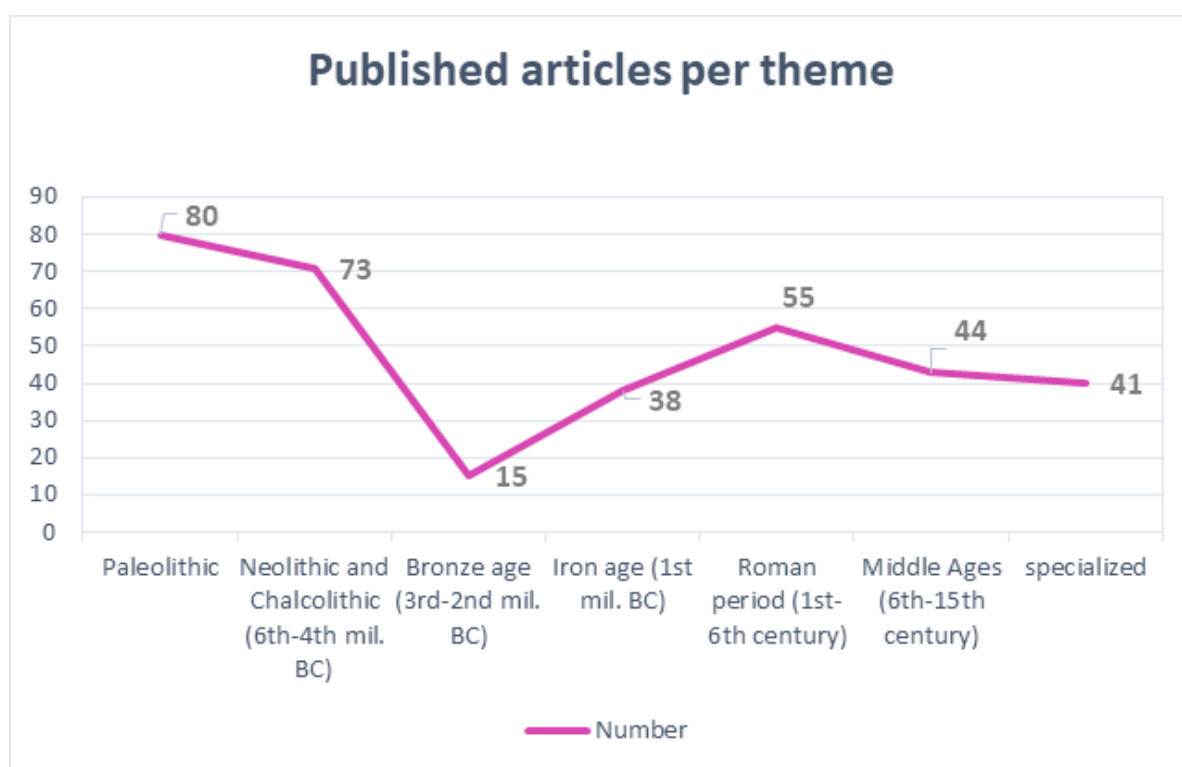


Fig. 1. The number of published archaeozoological articles per theme (made by the author).

The researchers

Rafail Popov (1876–1940) was the pioneer of archaeozoological research in Bulgaria. He was born in 1876 in the city Tarnovo. His background,

as he started exploring later periods, documenting the Iron Age dog sacrifices of the Goliama mogila, in Sveshtari (Popov, 1936), the animal remains from the Roman and Medieval period in Madara (Popov, 1934; Popov, 1936), and the first study of

archaeological dog morphotypes (Popov, 1932; Popov, 1936). He was ahead of his time regarding the employed methodology, always including detail metric data and the archaeological contexts of the findings. This makes his publication useful to this day. During his lectures in Sofia University, he even developed some methods in craniometry and dental wear analysis (Florova, 1966, p. 23). After his death in 1940 his collection of valuable Pleistocene specimens was donated to the National Natural History Museum where it is stored till this day. Although he lectured students, he did not have a successor and after his death archaeological analysis began to be conducted only by veterinarians and zoologists.

During the 1950s archaeozoological research was conducted sporadically. Notable is the research on prehistoric cattle by the veterinarian Petar Petkov (1928, 1935), and the mentioned publication on the faunal material from Seuthopolis (Markov, 1958). A prominent figure in the late 1950s was the veterinarian Dr. Stefan Ivanov, who recorded the remains from several sites, including the Medieval necropolis of Novi Pazar (Stanchev & Ivanov, 1958), and the old Bulgarian Medieval capital Preslav (Ivanov, 1959). His research was of high quality as all publications contained detailed information regarding species, element representation and metric data. He tutored Dr. Vasil Vasilev, who became the first officially employed faunal specialist in the National Archaeological Institute. Dr. Vasil Vasilev (1929–1982) graduated as a veterinarian in 1951 and became a lecturer in comparative animal anatomy. He was an active member in establishing the 'Problem group for interdisciplinary research' within the National Archaeological institute in 1977 (Vasilev, 1985). He devised methods for calculating the wither height in cattle and distinguishing the remains of bison from cattle (Atanasov, Vasilev & Tsonev, 1980). In 1981 Vasilev defended a PhD thesis in archaeozoology titled 'Osteological and osteometrical comparative analysis of the bone material from Tell Ovcharovo'. Before his death he was granted the title of 'associate professor', but he never got the chance to lecture in the field. He taught Dr. Lazar Ninov, who was later appointed the position of faunal specialist at the National Archaeological Institute (NAIM–BAN). Dr. Ninov had completed a PhD in veterinary science

in Moscow, and his dissertation examined the comparative skeletal anatomy of wild boar and domestic pigs in neonatal stages (Ninov, 1981). He has published many faunal reports since 1986. He was the head of the department for 'Interdisciplinary Research' from 2008 until 2012, and the editor-in-chief for the journal 'Interdisciplinarni Izledvania (Interdisciplinary Research)' of the Institute. In 2013 he was appointed the title of associate professor and was in charge of the archaeozoology lab (now 'Osteology storage') in NAIM–BAN. He retired in 2016 and during the spans of his career he has published many faunal reports from sites ranging from the Neolithic till the Middle Ages, which are listed in the appendix.

Another scholar, who had established the former archaeozoological lab in the museum in the city of Yambol is Georgi Ribarov. He had completed his formal education in zoology, but since the 1980s he has worked in the field of archaeozoology. He started his career in the Natural history department of the Yambol Museum, writing faunal reports for the local sites (Kabile, Yasa tepe, and excavations within the town of Yambol. His notable work focused on some of the earliest domestic horse remains from the underwater Early bronze age site of Urdoviza, near Kiten (Ribarov, 1991). He is also the first archaeozoologist to publish separate papers on molluscs (Ribarov, 1990) and fish remains (Ribarov & Ribarova-Hordulova, 2021). After the closure of the lab of the Yambol Museum, Ribarov donated his collection to the Natural History Museum in Sofia. He is still an active researcher and is currently publishing reports from Medieval and Antique sites.

The scholars at the National Natural history museum Sofia

The National Natural History Museum at the Bulgarian Academy of Science has become one of the pillars of archaeozoological research. Apart from storing valuable collections of subfossil remains, and having a fully functional reference bone collection, its scholars have produced many publications in the field. Research was carried out by paleontologists: Professor Nikolai Spassov, who specialized in fossil mammals, Vasil Popov

(small mammals), and prof. Zlatozar Boev, a paleo-ornithologist. Their older work has focused mainly on assemblages from the Pleistocene. Prof. Spassov in collaboration with Dr. Nikolai Iliev, he former director of the Agricultural museum in Sofia, have published over 17 articles on faunal remains from archaeological sites from the Neolithic (Spassov & Iliev, 1994; Spassov & Iliev, 2001; Spassov & Iliev, 2002; Spassov & Iliev, 2007; Spassov & Iliev, 2014; Spassov & Iliev, 2020) to the Medieval period (Iliev, 1994). Professor Zlatozar Boev has currently authored over 80 articles, including various faunal reports on both avian and mammalian remains, past distributions of now endangered species, and co-written a book on aurochs (Boev & Boev, 2018). He has also authored a review on published Bulgarian Pleistocene and Holocene animal remains (Boev, 2023). A prominent young scholar of the museum is Dr. Nadezhda Karastoyanova, who completed her PhD thesis in 2018 on a comparative study on hunting and husbandry during the Late Neolithic and Late Chalcolithic periods in Eastern Bulgaria (Karastoyanova, 2018). She is currently the curator of the archeozoological mammalian collection and is actively publishing papers ().

Foreign faunal specialists in Bulgaria

A number of foreign scholars have worked on Bulgarian faunal assemblages starting from the 80s. While The Iron curtain was in no doubt restricting for foreign projects, a small number of international excavations were carried out. They include a German-Bulgarian collaborations on the eponymic prehistoric mound Karanovo (1984–1992), and a British-Bulgarian excavation in the Roman city Nicopolis ad Istrum (1985–1991). In both cases the faunal remains were analyzed by foreign scholars. In the case of Karanovo, they were published by Sandor Bökönyi (1993). In Nicopolis ad Istrum the remains were analyzed by the then young scholar Mark Beech from the university of Sheffield, who spend several months from 1985-1997 working in Bulgaria (Beech, 1998; Poulter & Beech, 2007). During his time in Bulgaria, Dr. Beech exchanged research with both the scholars of the Natural History Museum, and Dr. Ninov. After leaving Eastern Europe, he donated his collection of Bulgarian and So-

viet archeozoological publications to the library of the museum of Sheffield¹. After the fall of the regime in 1989 it became much more accessible for foreign scholars to work with archeozoological materials. One of the famous scholars who has worked with faunal remains from Bulgaria is Laszlo Bartosiewicz. His first work was on the remains from the Roman fort Iatrus, situated on the Danubian limes (Bartosiewicz & Choyke, 1995). He conducted seminars in New Bulgarian university and taught some students, including Dr. Karastoyanova. From the start of the 21st century more international scholars have engaged with materials from Bulgaria. A second publication on material from Iatrus was made by Norbert Benecke (Beneckne, 2007). The British team in the Classical and Hellenistic site of Emporium Pistoros were joined in the early 2000s by Dr. Sue Stallibras from the University of Liverpool, who evaluated the materials, published preliminary reports and an article on the ritual deposition practices in a well (Stallibras, 2007, Stallibras, 2013; Stallibras, 2018). Other scholars who have worked in Bulgaria, which notably include Beate Cupere, who analyzed various materials from the Iron Age, and published the remains from the mining site of Ada tepe (Nikov et al., 2018). In the last few years some larger collaborations have incorporated stable isotope analysis (Balasse et al., 2020; De Groene et al., 2019). In 2020 the American archaeologist John Gorczyk became the first foreigner to complete a doctorate on material from Bulgaria. His dissertation was titled 'Fields of Care: Placing Animal-Human Communities in the Early Neolithic of the Sofia Basin, Bulgaria' and was successfully defended in Cornell university (Gorczyk, 2020). John as also authored multiple articles on Bulgarian prehistoric animal assemblages (Gorczyk, 2022; Bacvarov, & Gorczyk, 2017; Bacvarov, & Gorczyk, 2018). Few Bulgarians are members of ICAZ (the international council for archeozoology), but they have taken active parts in conferences, and organizing events. In 2005 the first ICAZ event was held in the town of Veliko Tarnovo, which was the 5th meeting of the worked bone group. The event was co-organized by Petar Zidarov and Milena Stancheva. This year a second ICAZ event will take place in Sofia, the 2nd Medieval Pe-

¹ Source: Personal communication with Dr. Beech.

riod Working Group meeting. These conferences offer scholars the chance to exchange contacts and collaborate on future projects.

Conclusion

The following historiography illustrates a picture of Bulgaria archaeological research. Based on the review of the full list of articles it can be stated that there is a growth in the number of archaeological articles in the last decade. The attitude towards faunal remains is also slowly changing, as more archaeological publications have started to include this data. The last decades show a growing number of collaborations between Bulgarian and foreign scholars. We can end on a positive note, stating that there are many more themes to be explored, but the current state of research offers a solid base.

ACKNOWLEDGEMENTS

The following work was supported by the project 'НАСЛЕДСТВО БГ'.

REFERENCES

- Kanev, K. 1995, 'Rafail Popov and the pre-historic science', *Arheologia* 1, 1995, pp. 8–10. / [Кънев, К. 1995, 'Рафаил Попов и праисторическата наука', *Археология* 1, 1995, с. 8–10.]
- Florova, V. 1963, 'Archive of Rafail Popov (1876–1940) No 128', *Scientific Archive of the Bulgarian academy of sciences.* / [Флорова, В. 1963, 'Фонд на Рафаил Попов (1876–1940) № 128', *Научен Архив на БАН.*] http://archiv.cl.bas.bg/Participants/F.128k_Popov_Rafail.htm
- Reese, D. 1994, 'Recent work in Greek Zooarchaeology', In: Kardulias, N. (ed.) *Beyond the site: Regional studies in the Aegean Area*, University press of America, pp. 191–223.
- Bălăşescu, A., Udrescu, M., Radu, V. & Popovici, D. 2003, 'Archéozoologie en Roumanie: Corpus de données', *Musée national d'histoire de Roumanie bibliothèque du Musée national série recherches pluridisciplinaires* 5, Editura Cetatea de Scaun, Târgovişte.

APPENDIX

Bibliography by period

Paleolithic period

- Boev, Z. 1988, 'First proofs of the existence of the black grouse (*Tetrao tetrix* /L./) (Aves, Tetraonidae) in Bulgaria', *Acta Zoologica Bulgarica* 36, 1998, pp. 72–77. / [Боев, З. 1998, 'Първи доказателства за съществуването на тетрева (*Tetrao tetrix* /L./) (Aves, Tetraonidae) в България', *Acta Zoologica Bulgarica* 36, 1998, с. 72–77.]
- Boev, Z. 1994, 'The Late Pleistocene birds', In: Kozłowski, J.K., Laville, H., Ginter, B. (eds.), *Temnata Cave. Excavations in Karlukovo Karst Area, Bulgaria* 1.2. Jagellonian University Press, Cracow, pp. 55–86.
- Boev, Z. 1997, 'Chauvireria balcanica gen. n., sp. n. (Phasianidae - Galliformes) from the Middle Villafranchian of Western Bulgaria', *Geologica Balcanica* 2, 3–4, 1997, pp. 69–78. <https://doi.org/10.52321/GeolBalc.27.3-4.69>.
- Boev, Z. 1997, 'The Black Grouse, *Tetrao tetrix* (L., 1758) (Tetraonidae, Aves), a disappeared species in Bulgaria (Paleolithic and Neolithic records)', *Anthropozoologica* 25–26, 1997, pp. 643–646.
- Boev, Z. 1998, 'A range fluctuation of Alpine swift (*Apus melba* (L., 1758)) (Apodidae – Aves) in the Northern Balkan Peninsula in the Riss-Wurm interglacial', *Biogeographia, Nuova Serie* 19, 1998, pp. 213–218. <https://doi.org/10.21426/B6110114>.
- Boev, Z. 1999, 'Neogene and Quaternary birds (Aves) from Bulgaria', DSc Thesis, National Museum of Natural History, Bulgarian Academy of Sciences, Sofia. / [Боев, З. 1999, 'Неогенни и Кватернерни птици от България, Докторска дисертация, Национален Природонаучен музей, Българска академия на науките, София.]
- Boev, Z. 2000, 'Early Pleistocene and Early Holocene avifauna of the Cherdzhenitsa Cave, Northwestern Bulgaria', *Historia naturalis bulgarica* 11, 2000, pp. 107–116.
- Boev, Z. 2000, 'Late Pleistocene Avifauna of the Razhishkata Cave, Western Bulgaria', *Historia Naturalis Bulgarica* 12, 2000, pp. 71–87.
- Boev, Z. 2000, 'Late Pleistocene birds from the Kozarnika Cave (Montana District; NW

- Bulgaria)', Karst 1, 2000, pp. 113–128.
- Boev, Z. 2001, 'Birds over the mammoth's head in Bulgaria', In: Cavaretta, G., Gioia, P., Mussi, M., Palombo, M.R. (eds.) *The World of Elephants. Proceedings of the 1st International Congress*, Rome, pp. 180–186.
- Boev, Z. 2001, 'Late Pleistocene and Holocene avian finds from the vicinity of the Lakatnik r/w Station (W Bulgaria)', Delchev, P., Shanov, S., Benderev, A. (eds.) *Karst. Proceedings of the First National Conference on Environment and Cultural Heritage Vol. I, Earth and Man National Museum, Association of Environment and Cultural Heritage in Karst*, Sofia, pp. 107–112.
- Boev, Z. 2001, 'Late Pleistocene and Holocene avifauna from three caves in the vicinity of Tran (Pernik District – W Bulgaria)', Delchev, P., Shanov, S., Benderev, A. (eds.) *Karst. Proceedings of the First National Conference on Environment and Cultural Heritage Vol. I, Earth and Man National Museum, Association of Environment and Cultural Heritage in Karst*, Sofia, pp. 98–106.
- Boev, Z. 2001, 'Late Pleistocene birds from the Kozarnika Cave (Montana District; NW Bulgaria)', In: Delchev, P., Shanov, S., Benderev, A. (eds.) *Karst. Proceedings of the First National Conference on Environment and Cultural Heritage Vol. I, Earth and Man National Museum, Association of Environment and Cultural Heritage in Karst*, Sofia, pp. 113–128.
- Boev, Z. 2003, 'Distribution of the Little Bustard (*Tetrax tetrax* Linnaeus, 1758) and the Great Bustard (*Otis tarda* Linnaeus, 1758) (Aves: Otidae Gray, 1845) in Bulgaria during the Late Pleistocene and the Holocene', *Annuaire de l'Université de Sofia, Faculté de biologie*, 93–94, 1, 2003, pp. 41–47.
- Boev, Z. 2006, 'Early Pleistocene avifauna of Kunino (NW Bulgaria)', *Historia naturalis bulgarica* 17, 2006, pp. 125–132.
- Boev, Z. 2006, 'Pleistocene avifaunas of Bulgaria: a brief review', *Historia naturalis bulgarica* 17, 2006, pp. 95–107.
- Boev, Z. 2006, 'Middle Pleistocene birds from the Morovitsa Cave (Lovech District, NC Bulgaria)', In: Zhalov, A., Daaliev, T. (eds.), *Proceedings of the Jubilee Scientific Conference "75 years of Organized Speleology in Bulgaria"*, Bulgarian Federation of Speleology, Sofia, pp. 103–110.
- Boev, Z. 2008, 'First finds of megalantereon discovered in Bulgaria', In: Popov, A., Slavova, S. (eds.), *Novosti (News)*, 2007, Bulgarian Academy of Sciences, Sofia, pp. 104–107.
- Boev, Z. 2018, 'Fossil and subfossil record of vertebrate animals (Vertebrata J.-B. Lamarck, 1801) along the Western Black Sea Coast (Bulgaria)', *Acta Zoologica Bulgarica*, 2018, pp. 105–110.
- Boev, Z. 2019, 'Late Pleistocene avifauna of Nanin Kamak Cave (CN Bulgaria)', *Bulletin of the Natural History Museum Plovdiv* 4, 2019, pp. 21–25.
- Boev, Z. 2020, 'Late Pleistocene *Crocota crocuta* spelaea in Bulgaria: distribution and history of research (Carnivora: Hyaenidae)', *Lynx* 51, 2020, pp. 19–29. <https://doi.org/10.37520/lynx.2020.002>.
- Boev, Z. 2021, 'Coelodonta antiquitatis in the Pleistocene of Bulgaria (Perissodactyla: Rhinocerotidae)', *Lynx* 52, pp. 55–62. <https://doi.org/10.37520/lynx.2021.004>.
- Boev, Z. 2022, 'Alpine ibex (*Capra ibex* Linnaeus, 1758) in Bulgaria – fossil record, distribution and disappearance', *Bulletin of the Natural History Museum Plovdiv* 7, 2022, pp. 13–20.
- Boev, Z. 2024, 'Alces alces and Rangifer tarandus in the Pleistocene of Bulgaria (Artiodactyla: Cervidae)', *Lynx* 54, 1, 2024, pp. 69–74.
- Boudadi-Maligne, M. 2009, 'Les loups (*Canis lupus*) des niveaux paléolithiques supérieurs des grottes de Kozarnika (Gara Orechets) et de Redaka II, Approche paléontologique et taphonomique'. In: Gatsov, I., Guadelli, J.-L. (eds.), *Saxa Loquuntur. Volume in Honour of the 65th Anniversary of Nikolay Sirakov, Avalon, Sofia*, pp. 109–117.
- Cachorro, A., Ivanova, S., Gurova, M., Perez-Gonzalez, A., Rodríguez, J., Spassov, N., Vinagre, A. & Tzankov, T. 2011, 'Eastern Rhodopes (Sur de Bulgaria): en la Ruta de las Migraciones Humanas en el Pleistoceno de Eurasia'. *Excavaciones en el exterior 2009*. Ministerio de cultura, España. *Informes y trabajos*, 5, pp. 16–25.
- Delpech, F. & Guadelli, J.-L. 1992, 'Les grandes Mammifères gravettiens et aurignaciens de

- la grotte de Temnata'. In: Kozłowski J.K., Laville, H., Ginter, B. (eds), *Temnata Cave. Excavations in Karlukovo Karst Area, Bulgaria 1.1*, Jagellonian University, Cracow, pp. 141–216.
- Delpech, F., & Guadelli, J. L. 1991, 'Quelques aspects de l'archéozoologie d'après les faunes de la grotte de Temnata à Karloukovo (Bulgarie du Nord)', *Historia naturalis bulgarica* 3, 1991, pp. 103–115.
- Dzhambazov, N. 1981, 'Ossements d'animaux', In: Georgiev, G., Čičikova, M. (eds.), *Samouilitsa 2, Cultures préhistoriques en Bulgarie*, Bulletin de l'Institut d'archéologie 36, pp. 54–57.
- Fernandez, P. 2009, 'Mammalian dynamics and palaeoecological analysis during the Pleistocene in Kozarnika Cave (Bulgaria)', In: Gatsov, I., Guadelli, J.-L. (ed.), *Saxa Loquuntur. Volume in Honour of the 65th Anniversary of Nikolay Sirakov*, Avalon Publishing House, Sofia, pp. 59–73.
- Fernandez, P., & Guadelli, J. L. 2008, 'Étude préliminaire des grands mammifères du repaire d'hyènes de Redaka II (Bulgarie du nord ouest): paléontologie, paléoécologie et taphonomie', *Quaternaire. Revue de l'Association française pour l'étude du Quaternaire* 19, 1, 2008, pp. 43–68.
- Fewlass, H., Talamo, S., Wacker, L., Kromer, B., Tuna, T., Fagault, Y., ... & Hublin, J. J. 2020, 'A 14C chronology for the middle to upper palaeolithic transition at Bacho Kiro Cave, Bulgaria', *Nature ecology & evolution*, 4(6), pp. 794–801.
- Frémondeau, D., Ottoni, C., Ivanova, S., Marinova, E., Spassov, N., Hristova, L., Konyovska, R., Van Neer, W., Lupianez, N., Gurova, M. 2020, 'New mtDNA and isotopic evidence on Late Pleistocene cave bears in the Balkans: the case study of Magura Cave, NW Bulgaria', *Acta Zoologica Bulgarica*. 2020, pp. 1–18.
- Georgiev, D. & Stoycheva, S. 2010, 'New Late Pleistocene locality of the Alpine Ibex (*Capra ibex* L.) (Mammalia: Bovidae) in Bulgaria', *ZooNotes* 14, 2010, pp. 1–4.
- Georgiev, D., Yankov L., Stoycheva S., Delev S., Zhelev P., Pavlova A. & Zagorska M. 2010, 'New localities of Quaternary fossil bears (*Ursus* sp. L.) (Mammalia: Carnivora: Ursidae)', *ZooNotes* 8, 2010, pp. 1–4.
- Georgiev, D., Yankov, L., Tanev, T., Kostov, D., Madzharov, T. & Dilovski, G. 2014, 'New Quaternary remains of terrestrial vertebrates of some caves in Bulgaria', *ZooNotes* 63, 2014, pp. 1–3.
- Guadelli, A. 2004, 'Analyse des incisions sur l'os « gravée » du Paléolithique inférieur de la grotte Kozarnika, Bulgarie du Nord-Ouest', *Archaeologia Bulgarica* 8, pp. 1–9.
- Guadelli, J. L., & Delpech, F. 2000, 'Les Grands Mammifères du début du Paléolithique supérieur à Temnata'. In: Kozłowski, J., Laville, H. & Ginters, B. (eds.), *Temnata cave: excavations in Karlukovo karst area Bulgaria 2.1*, Jagellonian University Press, Cracow, pp. 53– .
- Guadelli, J. L., Delpech, F., Guadelli, A. & Miteva, V. 1999, 'Étude de la faune des niveaux gravettiens de la grotte Kozarnika, Bulgarie du Nord. Résultats préliminaires', *Archeologia Bulgarica* 3, pp. 1–14.
- Guadelli, J.-L., Sirakov, N., Ivanova, S., Sirakova, S., Anastassova, E., Courtaud, P., Dimitrova, I., Djabarska, N., Fernandez, P., Ferrier, C., Fontugne, M., Gambier, D., Guadelli, A., Iordanova, D., Iordanova, N., Kovatcheva, M., Krumov, I., Leblanc, J.-C., Mallye, J.-B., Marinska, M., Miteva, V., Popov, V., Spassov, R., Taneva, S., Tisterat-Laborde, N., Tsanova, T. 2005, 'Une séquence du paléolithique inférieur au paléolithique récent dans les Balkans: la grotte Kozarnika à Orechets (Nord-Ouest de la Bulgarie)', In: Molines, N., Moncel, M.-H., Monnier, J.-L. (eds.), *British Archaeological Reports, International Series* 1364, pp. 87–103.
- Iliev, N. 1997, 'Remains of a stenooid horse from the end of Early Pleistocene from Varbeshnitsa Village, Distr. Montana (Bulgaria)', *Historia naturalis bulgarica* 8, 1997, pp. 121–125. / [Илиев, Н. 1997, Останки от стенооиден кон от края на ранния плейстоцен при с. Върбешница, област Монтана, *Historia naturalis bulgarica* 8, 1997, с. 121–125.]
- Ivanova, S., Gurova, M., Spassov, N., Hristova, L., Tzankov, T., Popov, V., Marinova, E., Makedonska, J., Smith, V., Ottoni, C. & Lewis, M. 2015, 'Magura Cave, Bulgaria: A

- multidisciplinary study of Late Pleistocene human palaeoenvironment in the Balkans', *Quaternary International* 415, 2015, pp. 1–23. doi: 10.1016/j.quaint.2015.11.082.
- Ivanova, S., Gurova, M., Spassov, N., Popov, V., Makedonska, J., Tzankov, T., Strait, D. S. 2012, 'Preliminary Findings of the Balkan Paleo Project: Evidence of Human Activity at the "Gateway" of Europe During the Late Pleistocene', *Be-JA (Bulgarian e-Journal of Archaeology)* 2, 2012, pp. 1–24.
- Ivanova, S., Gurova, M., Spassov, N., Popov, V., Makedonska, J., Tzankov, T., Strait, D. 2012, 'Preliminary Findings of the Balkan Paleo Project: Evidence of Human Activity at the "Gateway" of Europe during the Late Pleistocene', *Bulgarian e-Journal of Archaeology* 2(2), pp. 2–23. <https://beja.org/index.php/journal/issue/view/beja-2-2-2012/beja-2-2-2012>.
- Laville, H., Delpech, F., Ferrier, C., Guadelli, J. L., Marambat, L., Pazdur, M., & Popov, V. 1994, 'Le cadre chronologique et paléoenvironnemental des occupations gravettiennes et épigravettiennes', In: Kozłowski, J., Laville, H. & Ginters, B. (eds.), *Temnata Cave: Excavations in Karlukovo Karst Area Bulgaria 1.2*, Jagellonian University Press, Cracow, pp. 315–26.
- Markov, G. 1951, 'Quaternary mammals in Bulgaria', *Reports of the Zoological institute* 1, 1951, pp. 99–119. / [Марков, Г. 1951, 'Кватернерни бозайници в България', *Известия на Зоологическия институт* 1, 1951, с. 99–119.]
- Markov, G. 1963, 'Contribution to the research on the cave bear (*Ursus spelaeus* Blumenb.)', *Bulletin of the Zoological Institute with museum* 14, 1963, pp. 5–26. / [Марков, Г. 1963, 'Приноси към изследването на пещерната мечка (*Ursus spelaeus* Blumenb.)', *Известия на зоологичния институт и музей* 14, с. 5–26.]
- Martisius, N. L., Spasov, R., Smith, G. M., Enderova, E., Sinet-Mathiot, V., Welker, F., ... & Hublin, J. J. 2022, 'Initial upper paleolithic bone technology and personal ornaments at Vacho Kiro Cave (Bulgaria)', *Journal of Human Evolution* 167, 103198.
- Miteva, V. 2008, 'Predators as a factor in the accumulation and transformation of bones in archaeological context: An example from the Late Palaeolithic assemblage from the Kozarnika cave, Northern Bulgaria', In: Gurova, M. (ed.), *Prehistoric Research in Bulgaria: New Challenges. Proceedings of the National Prehistory Conference, Peshtera*, pp. 15–23.
- Nikolov, V. & Vasilev, V. 1980, 'Research of the Goliama cave near the village of Пиа, Кюстендил регион, Векове 3, 1980. / [Николов, В. & Василев, В. 1980, 'Проучвания в Голямата пещера на с. Илия, Кюстендилски окръг', *Векове* 3, 1980.
- Popov, R. 1913, 'Die Ausgrabungen in der Höhle "Malkata Podlizza" beini Dorfe Beljakovez, unweit der Stadt Tirnovo (Nordbulgarien)', *Prähistorischen Zeitschrift* 5 (3–4), pp. 449–460.
- Popov, R. 1921, 'The Golyama Lisitsa Cave', *Estestvoznanie i geografija* 2–3, 1921, pp. 95–105. / [Попов, Р. 1921, 'Пещера Голямата лисица', *Естествознание и география* 2–3, 1921, с. 95–105.]
- Popov, R. 1921, 'Tsar's Cave', *Estestvoznanie i geografija* 6, 1921, pp. 28–33. / [Попов, Р. 1921, 'Царската пещера', *Естествознание и география* 6, 1921, с. 28–33.]
- Popov, R. 1923, 'The cave bear (*Ursus spelaeus* Blumb)', *Estestvoznanie i geografija* 6, 1923, pp. 176–180. / [Попов, Р. 1921, 'Пещерната мечка (*Ursus spelaeus* Blumb)', *Естествознание и география* 6, 1923, с. 176–180.]
- Popov, R. 1925, 'The Belyakovsko plateau. Caves and prehistoric settlements', *Izdaniya na Narodniya muzey v Sofia* 3, pp. 1–58. / [Р. Попов 1925 *Беляковското плато. Пещери и предисторически селища*, Издание на народния музей, София 3, с. 1–58.]
- Popov, R. 1931, 'The cave Temnata Dupka, near the village Karlukovo', *Izdaniye na Narodniya archeologicheski muzey, Sofia*. / [Попов, Р. 1931, 'Пещерата Темната дупка при с. Карлуково', Издание на народния музей, София.]
- Popov, R. 1933, 'The Mirizlivka Cave. A contribution to the deluvial fauna and the culture of the deluvial man', *Izdaniya na Narodniya archeologicheski muzey* 26, pp. 1–74. / [Попов, Р. 1933, 'Пещерата Мириз-

- ливка при с. Орещец, Белограчиско. Принос към дилувиалната фауна и културата на дилувиалния човек в България', Издание на народния археологически музей 26, София, с. 1–74.]
- Popov, R. 1934, 'Fossilized remains of the ibex (*Capra aegagrus*) found in Bulgaria', *Priroda i nauka* 8–9, 1934, pp. 128–129. / [Попов, Р. 1934, 'Фосилизирани останки от ибекс (*Capra aegagrus*) открити в България', *Природа и наука* 8–9, 1934, с. 128–129.]
- Popov, R. 1936, Fossil and subfossil animal remains from the researched caves in Bulgaria, *Bulletin de la Société Spéléologique de Sofia* 1, pp. 1–12. / [Попов, Р. 1936 г. Фосилни и субфосилни животински останки в изследваните досега пещери в България, *Известия на българското пещерно дружество* 1, 1936, с. 1–12.]
- Popov, R. 1937, 'Excavations in the Golyama Peshtera Cave near Dryanovski Monastery', *Priroda i nauka* 1, pp. 8–9. / [Попов, Р. 1937, 'Разкопки в Голямата пещера край Дряновския манастир', *Природа и наука* 1, с. 8–9.]
- Popov, R. 1938, 'The big and small cave near the Dryanovo monastery', *Bulletin of the Bulgarian Archaeological Institute* 12, 1938. / [Попов, Р. 1938, Голяма и малката пещери при Дряновския манастир, *Известия на Българския Археологически институт* 12, 1938.]
- Popov, V. & Lakovski, K. 2019, 'Southernmost Postglacial Record of Pond Bat *Myotis dasycneme* (Boie, 1825) (Mammalia: Chiroptera) – Varteshka Cave', NW Bulgaria, *Acta Zoologica Bulgarica* 71, 1, pp. 57–62.
- Popov, V. 1986, 'Early Pleistocene Rodentia (Mammalia) from the "Temnata Dupka" Cave near Karlukovo (North Bulgaria)', *Acta Zoologica Bulgarica* 30, 1986, pp. 2–14.
- Popov, V. 1988, 'Middle Pleistocene Small Mammals (Mammalia: Insectivora, Lagomorpha, Rodentia) from Varbeshnitsa (Bulgaria)', *Acta Zoologica Cracoviensia* 31, 1998, pp. 193–234.
- Popov, V. 1989, 'Middle Pleistocene small mammals Insectivora Lagomorpha Rodentia from Morovitsa cave North Bulgaria', *Acta Zoologica Cracoviensia* 32, 1989, pp. 561–588.
- Popov, V. 1990, 'Quaternary small mammals (Mammalia: Insectivora, Lagomorpha, Rodentia) of the Western Balkan: morphology, paleoecology, biostratigraphy'. PhD thesis, Institute of Zoology, Bulgarian Academy of Sciences, Sofia. [Попов, В. 1990, 'Кватернерни дребни бозайници (Mammalia: Insectivora, Lagomorpha, Rodentia) от Западните Балкани: морфология, палеоекология, биостратиграфия'. Дисертация, Институт по Зоология, БАН, София.]
- Popov, V. 1994, 'Quaternary small mammals from deposits in Temnata-Prohodna Cave system', In: , In: Kozłowski, J., Laville, H. & Ginters, B. (eds.), *Temnata Cave: Excavations in Karlukovo Karst Area Bulgaria 1.2*, Jagellonian University Press, Cracow, pp. 11–53.
- Popov, V. 2017, 'A Pleistocene Record of *Apodemus agrarius* (Pallas, 1771) (Mammalia: Rodentia) in the Magura Cave, Bulgaria', *Acta Zoologica Bulgarica* 69, pp. 121–124.
- Popov, V. 2017, 'Early Pleistocene Small Mammals (Eulipotyphla, Chiroptera, Lagomorpha and Rodentia) from Futjova Cave, North Bulgaria', *Acta Zoologica Bulgarica* 69, 2017, pp. 263–282.
- Popov, V. 2018, 'Chapter 3. Pliocene–Quaternary small mammals (Eulipotyphla, Chiroptera, Lagomorpha, Rodentia) in Bulgaria: Biostratigraphy, paleoecology, and evolution', In: Huard, G., Gareau, J. (eds.), *The Pleistocene*. Nova Science Publishers Inc., New York, pp. 1–134.
- Popov, V., Gerasimov, S. & Marinska, M. 1994, 'Multivariate palaeoecological analysis of a late quaternary small mammal succession from North Bulgaria', *Historical Biology* 8, 1994, pp. 261–274. Doi: 10.1080/10292389409380480.
- Popov, V., Marinska, M. 2007, 'An almost one million year long (Early to Late Pleistocene) small mammal succession from the archaeological layers of Kozarnika Cave in Northern Bulgaria', *Courier Forschungsinstitut Senckenberg* 259, pp. 79–92.
- Sirakov, N., Guadelli, J. L., Ivanova, S., Sirakova, S., Boudadi-Maligne, M., Dimitrova, I., ... & Tsanova, T. 2010, 'An ancient continuous human presence in the Balkans and the beginnings of human settlement in western

- Eurasia: A Lower Pleistocene example of the Lower Palaeolithic levels in Kozarnika cave (North-western Bulgaria), *Quaternary International* 223, 2010, pp. 94–106.
- Sirakov, N., Guadelli, J. L., Ivanova, S., Sirakova, S., Boudadi-Maligne, M., Dimitrova, I., ... & Tsanova, T. 2010, 'An ancient continuous human presence in the Balkans and the beginnings of human settlement in western Eurasia: A Lower Pleistocene example of the Lower Palaeolithic levels in Kozarnika cave (North-western Bulgaria)', *Quaternary International* 223, 2010, pp. 94–106. <https://doi.org/10.1016/j.quaint.2010.02.023>.
- Smith, G. M., Spasov, R., Martisius, N. L., Sinet-Mathiot, V., Aldeias, V., Rezek, Z., ... & Hublin, J.J. 2021, 'Subsistence behavior during the Initial Upper Paleolithic in Europe: Site use, dietary practice, and carnivore exploitation at Bacho Kiro Cave (Bulgaria)', *Journal of human evolution* 161, 2021. 103074.
- Spasov, N. & Crégut-Bonnoure, E. 1999, 'First data on the Villafranchian Bovidae of Bulgaria', *Comptes rendus de l'Académie des Sciences* 328, 7, pp. 493–498. [https://doi.org/10.1016/S1251-8050\(99\)80151-7](https://doi.org/10.1016/S1251-8050(99)80151-7).
- Spasov, N. & Popov, V. 2007, 'History of the formation of the Bulgarian mammalian fauna'. In: Popov, V. Spasov N., (Eds), *Mammals Important for Conservation in Bulgaria*, Dutch Mammal Society VZZ, Sofia, pp. 31–47. [Спасов, Н., & Попов, В. 2007. История на формирането на българската бозайникова фауна, В: Попов, В, Спасов, Н. и др. (ред.) Бозайниците, важни за опазване в България. Dutch Mammal Society VZZ, София, с. 31–47.]
- Spasov, N. & Raychev, D. 1997, 'Late Würm *Panthera pardus* remains from Bulgaria: the European fossil leopards and the question of the probable species survival until the Holocene on the Balkans', *Historia naturalis bulgarica* 7, 1997, pp. 71–96.
- Spasov, N. & Stoychev T. 2003, 'On the origin of the Wisent, *Bison bonasus* (Linnaeus, 1758). Presence of the Wisent in the Late Palaeolithic rock art of Eurasia', In: Petculescu, A., Stiucă, E. (eds.), *Advances in Paleontology "Hent to Pantha"*, Papers in Honour of C. Radulescu and P.M. Samson, Institute of Speleology, Bucharest, pp. 125–130.
- Spasov, N., Hristova, L., Ivanova, S. & Georgiev, I. 2017, 'First record of the "small cave bear" in Bulgaria and the taxonomic status of bears of the *Ursus savini* Andrews – *Ursus rossicus* Borissiak group', *Fossil Imprint* 73 (3–4), 2017, pp. 275–291. <https://doi.org/10.2478/if-2017-0015>.
- Tsanova, T., Veres, D., Hambach, U., Spasov, R., Dimitrova, I., Popov, P., ... & Sirakova, S. 2021, 'Upper Palaeolithic layers and Campanian Ignimbrite/Y-5 tephra in Toplitsa cave, Northern Bulgaria', *Journal of Archaeological Science: Reports* 37.

***Neolithic and Chalcolithic
(6th – 4th mil. BC)***

- Bacvarov, K. & Gorczyk, J. 2017, 'The ritual package at the Neolithic pit field of Sarnevo, south-central Bulgaria', In: M. Mărgărit, M. & Boroneanț, A. (eds.), *From hunter-gatherers to farmers: human adaptations at the end of Pleistocene and the first part of the Holocene. Papers in honour of Clive Bonsall* Publisher: Cetatea de Scaun, pp. 439–451.
- Bacvarov, K., & Gorczyk, J. 2018, 'Of pits and bones: A ritual pit at the late Neolithic site of Sarnevo in Bulgarian Thrace', In: Stockhammer, P & Takorova, D. (eds.) *Social dimensions of food in the prehistoric Balkans*. Oxford: Oxbow, pp.141-156. Doi: 10.2307/j.ctvh1dsx3.11.
- Balasse, M., Renault-Fabregon, L., Gandois, H., Fiorillo, D., Gorczyk, J., Bacvarov, K., & Ivanova, M. 2020, 'Neolithic sheep birth distribution: Results from Nova Nadezhda (sixth millennium BC, Bulgaria) and a reassessment of European data with a new modern reference set including upper and lower molars', *Journal of Archaeological Science* 118, 2020, pp. 1–12. doi: 105139. 10.1016/j.jas.2020.105139.
- Boev, Z. 1993, 'Neolithic birds from the Prehistoric settlement at Kazanluk', *Historia naturalis bulgarica* 4, pp. 57–67. / [Боев, З. 1993, 'Неолитни птици от праисторическото селище при Казанлък', *Historia naturalis bulgarica* 4, с. 57–67.]
- Boev, Z. 2004, 'Middle and Late Holocene birds from the Eastern Upper Thracian Plane (S Bul-

- garia), *Historia naturalis bulgarica* 16, 2004, pp. 123–132. / [Боев, З. 2004, 'Средно- и къснохолоцненски птици от находища в източната част на Горнотракийската низина (Южна България)', *Historia naturalis bulgarica* 16, 2004, pp. 123–132.]
- Боев, З. 2009, 'Avian Remains from Early Chalcolithic Settlement in Burgas (SE Bulgaria)', *Acta Zoologica Bulgarica*, 61, 2009, pp. 157–160.
- Боев, З. 2009, 'Avian remains from the Early Neolithic settlement of Slatina (Present Sofia City, Bulgaria)', *Acta Zoologica Bulgarica* 61, 2, 2009, pp. 151–15.
- Боев, З. 2009, 'Avian remains from the Late Chalcolithic settlement near Hotnitsa Village (Veliko Tarnovo Region, CN Bulgaria)', *Acta Zoologica Bulgarica*, 61, 1, 2009, pp. 49–54.
- Боев, З. 2013, 'Avian Remains from the Late Neolithic Settlement of Sarnevo (Stara Zagora Region, South-Central Bulgaria)', *Acta Zoologica Bulgarica* 65, 2, 2013, pp. 259–262.
- Боев, З. 2014, 'Animal remains of the Neolithic Ritual Burial Complex near Krum Village (Haskovo Region, SE Bulgaria)', *ZooNotes* 58, 2014, pp. 1–6.
- Боев, З. 2017, 'Avian finds from the Early Neolithic settlement near Kapitan-Dimitriev village (Pazardzhik Region)', *ZooNotes*, 2017, pp. 1–3.
- Боев, З. 2017, 'Late Neolithic and Late Antiquity avian finds of Chavdarova Cheshma (Simonovgrad, Haskovo Region)', *ZooNotes* 111, 2017, pp. 1–3.
- Bökönyi, S. 1993, 'Vorläufiger Bericht über die Tierknochenfunde von Karanovo'. In: S. Hiller & Nikolov, V. (ed.) *Tell Karanovo 1992, Vorläufiger Bericht. Schriftenreihe des Inst. f. Klass. Arch. d. Univ. Salzburg, Salzburg* 1993, pp. 10–16.
- Chernacov, D. & Ninov, L. 2011, 'Ritual Pit from the Late Chalcolithic (?) Discovered at Kosharna Tell, Rousse District' In: Boyadzhiev, Y. & Terzijska-Ignatova, T. (eds.), *The golden fifth millennium. Thrace and its neighbor areas in the Chalcolithic* 27-30 October 2009 Pazardzhik, Sofia, 2011, pp. 145–156.
- Chohadzhiev, A., Karastoyanova, N., Gurova, M., Yanakieva, A., Bacoup, P., & Pauline, M. 2022, 'To pit the pig. The curious case of Feature E63 from Petko Karavelovo tell-site', *Studia Praehistorica* 16, pp. 119–151.
- De Groene, D., Zidarov, P., Elenski, N., Van den Hurk, Y., Van Kolfshoten, T., & Çakirlar, C. 2019, 'Pigs and humans in Early Neolithic Southeastern Europe: New zooarchaeological and stable isotopic data from late 7th-early 6th millennium BC Džuljunica-Smărdeš, Bulgaria', *Documenta Praehistorica* 45, 2019, pp. 38–50.
- Gorczyk, J. 2022, 'Challenges and new directions in faunal analysis in Bulgarian prehistory: A view from the past decade', *Studia Praehistorica* 16, 2022, pp. 241–257.
- Gorczyk, J. 2020, 'Fields of Care: Placing Animal-Human Communities in the Early Neolithic of the Sofia Basin, Bulgaria', PhD dissertation Cornell university.
- Gorczyk, J. & Karastoyanova, N. 2018, 'Faunal report', In: Bacvarov, K., Tonkova, M. & Katsarov, G. (eds.), *Sarnevo, Pits from the Late Neolithic, the Early and Late Iron Age, and the Roman Period, Volume 1, The Late Neolithic pit field*, Bulgarian Academy of Science, pp. 511–542. <http://series.naim.bg/index.php/AREIP>
- Ivanov, S. & Vasilev, V. 1975, 'Research on the animal bone material from the prehistoric settlement mound near Goliamo Delchevo', In: Todorova, H. (ed.) *The settlement mound near Goliamo Delchevo*, Bulgarian academy of Science, Sofia, pp. 245–302. / [Иванов, С. & Василев, В. 1975, 'Проучвания на животинския костен материал от праисторическата селищна могила при Голямо Делчево', В: Тодорова Х. (ред.), *Селищната могила при Голямо Делчево*, Българска академия на науките, София, с. 245–302.]
- Ivanov, S. 1950, 'Contribution regarding the question of the domestic animals during the late Neolithic and the Cooper age in Bulgaria', *Annual bulletin of the veterinary faculty* 26, 1950, p. 345. / [Иванов, С. 1950, 'Принос към въпроса за домашните животни през късния неолит каменно-медната епоха у нас', *Годишник на ветеринарно-медицинския факултет* 26, 1950, с. 345.]
- Ivanov, S. 1959, 'The domestic and wild animals in the life of the population from Yasa Tepe,

- Plovdiv, Bulletin of the National Archaeological Museum 3, 1959, pp. 81–86. / [Иванов, С. 1959, 'Домашните и дивите животни в бита на населението от Яса тепе, Пловдив, Годишник на националния археологически музей 3, 1959, с. 81–86.]
- Kamjan, S., De Groene, D., Van den Hurk, Y., Zidarov, P., Elenski, N., Patterson, W., Çakırlar, C. 2021, 'The emergence and evolution of Neolithic cattle farming in southeastern Europe: New zooarchaeological and stable isotope data from Džuljunica-Smārdeš, in northeastern Bulgaria (ca. 6200–5500 cal. BCE)', *Journal of Archaeological Science: Reports*, Volume 36, 2021, pp. 1–14, ISSN 2352-409X, <https://doi.org/10.1016/j.jasrep.2021.102789>.
- Karastoyanova, N. & Chohadziev, A. 2017, 'Hunting and stockbreeding in the early Chalcolithic: osteological analysis of mammalian remains in Petko Karavelovo tell, Veliko Tarnovo region', *Annual of the Department of Natural Sciences, New Bulgarian University* 5, pp. 96–108. / [Карастоянова, Н. & Чохаджиев, А. 2017, 'Ловът и скотовъдството през ранния халколит: остеологичен анализ на останки от бозайници в селищна могила Петко Каравелово, област Велико Търново', *Годишник на департамент „Природни науки“ Нов Български университет* 5, с. 96–108.]
- Karastoyanova, N. 2018, 'Development of hunting and husbandry and changes in natural environment from the Late Neolithic to the Late Chalcolithic period in Eastern Bulgaria according to data from archaeological sites', PhD thesis, National Museum of Natural History, Bulgarian Academy of Sciences, Sofia. / [Карастоянова, Н. 2018, 'Развитие на лова и животновъдството и разлики в природната обстановка от късния неолит до късния халколит в Източна България по данни от археологически обекти', дисертация, Национален природонаучен музей БАН, София.]
- Karastoyanova, N., Gorczyk, J. & Spassov, N. 2019, 'The natural history of the fallow deer, *Dama dama* (Linnaeus, 1758) in Bulgaria in prehistory and new evidence for the existence of an autochthonous Holocene population in the Balkans', *International Journal of Osteoarchaeology* 30 (5), pp. 616–628. <https://doi.org/10.1002/oa.2886>.
- Kovachev, G. 1985, 'The domestic animals from the prehistoric settlement near Rakitovo, *Zhivotnovudni nauki* 22, 8, 1985, pp. 50–58. / [Ковачев, Г. 1985, 'Домашните животни от праисторическото селище край Ракиново', *Животновъдни науки* 22, 8, 1985, с. 50–58.]
- Leshtakov, K., Todorova, N., Petrova, V., Zlateva-Uzunova, R., Özbek, O., Popova, T., Spassov, N. & Iliev, N. 2007, 'Preliminary Report on the Salvage Archaeological Excavations at the Early Neolithic Site Yabalkovo in the Maritsa Valley', *Anatolica* 33, 2007, pp. 185–234. Doi: 10.2143/ANA.33.0.2021759.
- Manhart, H. 1998, 'Die vorgeschichtliche Tierwelt von Koprivec und Durankulak und anderen prähistorischen Fundplätzen in Bulgarien aufgrund von Knochenfunden aus archaologischen Ausgrabungen', *Documenta naturae* 116, 1998, pp. 1–353.
- Ninov, L. & Stanev, P. 1992, 'Animal husbandry and hunting practices of the population from the neolithic settlement mound Samovodene: archeozoological analysis', *Bulletin of the Historical Museum Veliko Tarnovo* 7, pp. 117–126. / [Нинов, Л. & Станев, П. 1992, 'Животновъдна и ловностопанска дейност на населението от неолитната селищна могила Самоводене: археозоологични анализи', *Известия на Исторически музей Велико Търново VII*, с. 117–126.]
- Ninov, L. 1986, 'Tierknochen aus der prähistorischen Siedlung Kremenik', *Studia prae-historica* 8, 1986, pp. 152–155.
- Ninov, L. 1990, 'Animal bones from boreholes of Early Neolithic settlement near the village Kovacevo, Blagoevgrad district', *Studia prae-historica* 10, pp. 197–199.
- Ninov, L. 1992, 'Archaeozoological research of faunal remains from the dwelling', In: Nikolov, V. (ed.) *Early neolithic building from Slatina (Sofia), Razkopki I prouchvania* 25, Sofia, 1992, pp. 85–89. / [Нинов Л. 1992. 'Археозоологични проучвания на останките от фауната в жилището', В: Николов В., *Раннеолитно жилище от Слатина*

- (София), Разкопки и проучвания 25, София 1992, с. 85–89.]
- Ninov, L. 1993, 'The food of the neolithic settlement Samovodene', Prehistoric finds and research, In: Nikolov, V. (ed.), Volume in honour of Georgi Georgiev, Sofia, 1993, pp. 85–89. / [Нинов, Л. 1993. Храната на населението от неолитното селище Самоводене, В: Николов, В. (ред.) Праисторически находки и изследвания. Сборник в памет на проф. Георги И. Георгиев, София, с. 85–89.]
- Ninov, L. 1999, 'IX Archaeoosteological research', In: Nikolov, V. (ed.), Settlement mound Kapitan Dimitriev: Excavations 1998-1999, Sofia-Peshtera. / [Нинов Л. 1999, 'IX Археостологични изследвания', В: Николов В. (ред.), Селищна могила Капитан Димитриево: Разкопки 1998-1999, София-Пещера.]
- Ninov, L. 1999, 'Vergleichende Untersuchungen zur Jagd und zum Jagdwild whrentl cles Neolithikums und Kneolithikums in Bulgarien', In: Archliologie in Eurasien. Volume 6. Benecke N, ed. The Holocene History of the European vertebrate Fauna, Modern Aspects of Research. Papers presented at an international workshop (Berlin, 6-9 April 1998), Rahden/Weslfalen, Germany: Marie Leidorf, 1999, pp. 323–338.
- Ninov, L. 2002, 'Archäozoologische Untersuchungen', In: S. Hiller, S & Nikolov V. (hrsg.), Tell Karanovo, 2. Beiträge zum Neolithikum in Südost-Europa, Wien, 2002, pp. 181–188.
- Ninov, L. 2002, 'The economics of the prehistoric population from Northeastern Bulgaria according to the archeozoological data', Studia Archaeologica Supplementum II, In honor of prof. Atanas Milchev, Sofia university "St. Kliment Ohridski", Sofia, 2002, pp. 26–31. / [Нинов, Л. 2002, 'Икономиката на праисторическото население от Североизточна България според археозоологични данни', Studia Archaeologica Supplementum II, Сборник в чест на професор Атанас Милчев, СУ „Св. Климент Охридски“, София, 2002, с. 26–31.]
- Ninov, L. 2008, 'Animal remains from the settlement mound Solnitsata near Provadia, In: Nikolov, V. (ed.) Prehistoric salt production center Provadia-Solnitsata, excavation 2005–2007, National Archaeological Institute with museum BAS, ISBN: 978-954-92181-3-8. / [Нинов, Л. 2008. Животински останки от селищна могила Солницата край град Провадия, В: Николов, В. (ред.). Праисторически солодобивен център Провадия-Солницата, разкопки 2005–2007, Национален археологически институт с музей БАН, ISBN : 978-954-92181-3-8.]
- Ninov, L. 2008, 'Archeozoological research of prehistoric sites', Archaeological discoveries and excavations in 2007, pp. 101–104. / [Нинов, Л. 2008, 'Археозоологически проучвания на праисторически обекти', Археологически открития и разкопки през 2007, с. 101–104.]
- Ninov, L. 2009, 'Archeozoological research of prehistoric sites in 2008', Archaeological discoveries and excavations in 2008, Sofia, 2009, pp. 120–122. / [Нинов, Л. 2009, 'Проучвания на археозоологически материали от праисторически обекти разкопани през 2008', Археологически открития и разкопки през 2008 г., София, 2009, с. 120–122.]
- Ninov, L. 2009, 'The people, animals and the environment of the prehistoric mound Ynatsite', Problems and challenges of the archaeological and cultural historical researches, vol. 1 (Plovdiv), 2009, pp. 389–400. / [Нинов, Л. 2009, 'Хората, животните и околната среда от селищна праисторическа могила Юнаците', Problems and challenges of the archaeological and cultural historical researches, vol. 1 (Plovdiv), 2009, с. 389–400.]
- Ninov, L. 2011, 'Fauna as part of prehistoric environment of the Ynatsite Tell', In: Boyadzhiev, Y. & Terzijska-Ignatova, T. (eds.), The golden fifth millennium. Thrace and its neighbor areas in the Chalcolithic” 27-30 October 2009 Pazardzhik, Sofia, 2011, pp. 328–336.
- Ninov, L. 2012, 'The fauna from the prehistoric settlement mound, In: Chernakov, V. (ed.) Kosharna: Settlement mound and necropolis, archaeological research 2006–2010, Rod publishing, Ruse, ISBN: 978-954-476-059-5, pp. 265–274. / [Нинов, Л. 2012, 'Фауната от праисторическата селищна могила', В:

- Чернаков, Д. (ред.), Кошарна: Селищна могила и некропол, археологически проучвания 2006-2010, издател „РОД“, Русе, ISBN: 978-954-476-059-5, с. 265–274.]
- Ninov, L. 2013, 'Archeozoological research of prehistoric sites', *Archaeological discoveries and excavations in 2012*, pp. 90–91. / [Нинов, Л. 2013, 'Археозоологически изследвания на праисторически обекти', *Археологически открития и разкопки през 2012 г, 2013*, с. 90–91]
- Nobis, G. & Ninov, L. 2002, 'Zur Fauna der prähistorischen Siedlung Durankulak, Bez. Tolbuchin (NO-Bulgarien) II Die Kupferzeit', In: Nobis, G. (Ed.), *Die Tierwelt Nordost-Bulgariens vom Neolithikum bis zur Kupferzeit anhand archäologischer grabungen in Durankulak (Bez. Tolbuchin), Podgorica und vom tell Targoviste. Bonner Zoologische Monographien 51*, pp. 29–59.
- Nobis, G. 2002, 'Studien an mittel- bis spätneolithischen Tierresten von Podgorica (NO-Bulgarien)', In: Nobis, G. (ed.), *Die Tierwelt Nordost-Bulgariens vom Neolithikum bis zur Kupferzeit anhand archäologischer grabungen in Durankulak (Bez. Tolbuchin), Podgorica und vom tell Targoviste, Bonner Zoologische Monographien 51*, pp. 63–86.
- Nobis, G. 2002, 'Zur Fauna der prähistorischen Siedlung Durankulak, Bez. Tolbuchin (NO-Bulgarien) I. Das Neolithikum', In: Nobis, G. (Ed.), *Die Tierwelt Nordost-Bulgariens vom Neolithikum bis zur Kupferzeit anhand archäologischer grabungen in Durankulak (Bez. Tolbuchin), Podgorica und vom tell Targ.*
- Petkov, P. 1928, 'Contribution to the study of the prehistoric iskar cattle', *Trudove na balgarskoto prirodizpitatelno drujestvo*, 13, 1928. / [Петков, П. 1928, 'Принос за изучаване на предисторическото искърско говедо. Трудове на българското природоизпитателно дружество, 13, 1928.]
- Petkov, P. 1935, 'Neolithic remains of *Bos primigenius* Vojanus in Bulgaria', *Annual of Sofia university, Faculty of agronomics and forestry 13*. / [Петков, П. 1935, 'Неолитни остатъци от *Bos primigenius* Војанус в България'. *Годишник на Софийския университет, Агрономолесовъден факултет*, 13.]
- Petkov, P. 1935, 'The ratios of the cranium of *Bos primigenius* Vojanus', *Annual of Sofia university, Faculty of agronomics and forestry 13*. / [Петков, П. 1935, 'Съотношения на черепните кости у *Bos primigenius* Војанус', *Годишник на Софийския университет, Агрономолесовъден факултет*, 13.]
- Petrov, A. 1973, 'The domestic swine from the Eneolithic epoch in Bulgaria', *Arhiv na Selskostopanski muzei*, 2. / [Петров, А. 1973, 'Домашната свиня от енеолитната епоха в България', *Архив на Селскостопанския музей*, 2.]
- Popov, R. 1904, 'Contribution to the prehistory of Bulgaria, the caves in the Tarnovski region, the settlement near Madara and the caves above Shumen', *Sbornik za narodni umotvoreniya, Nauka i knizhnina 20*, 1904, pp. 1–27. / [Попов, Р. 1904, 'Принос към предисторията на България, Пещерите в Търновския дервент, селището при Мадара и пещерите над Шумен', *Сборник за народни умотворения, наука и книжнина 20*, 1904, с. 1–27.]
- Popov, R. 1908, 'A contribution to the Neolithic mammalian fauna in Bulgaria', *Sbornik za narodni umotvoreniya, Nauka i knizhnina 22*, 1908, pp. 1–22. / [Попов, Р. 1908, 'Принос към неолитната млекопитаеща фауна в България', *Сборник за народни умотворения, наука и книжнина 22*, 1908, с. 1–22.]
- Popov, R. 1908, 'A contribution to the prehistory of Bulgaria', *Sbornik za narodni umotvoreniya, nauka i knizhnina*, 24, pp. 1–18. / [Попов, Р. 1908, 'Принос към предисторията на България', *Сборник за народни умотворения, наука и книжнина*, 24, 1908, с. 1–18.]
- Popov, R. 1908, 'Contribution to the prehistory of Bulgaria: The mound Bakandzhi near Salamanovo, Shumen region', *Periodichesko spisanie na balgarskoto knizhovno drujestvo 69*, 1908, pp. 641–669. / [Попов, Р. 1908, 'Принос към предисторията на България: Могилата Бакъджи при с. Саламаново, Шуменско', *Периодично списание на българското книжовно дружество 69*, 1908, с. 641–669.]
- Popov, R. 1909, 'Contribution to the prehistory of Bulgaria: The Kodzha-Dermen mound', *Periodichesko spisanie na balgarskoto knizhovno*

- no drujestvo 70, 1909, pp. 503–560. / [Попов, Р. 1909, 'Принос към предисторията на България: Коджа-Дерменската могила', Периодическо списание на българското книжовно дружество 70, 1909, с. 503–560.]
- Попов, Р. 1914, 'Prehistoric Deneva mound near Salamanovo village', *Izvestia na balgarskoto arheologicheskoto drujestvo* 4, 1914. / [Попов, Р. 1914, 'Предисторическата Денева могила, при с. Саламаново', *Известия на българското археологическо дружество* 4, 1914.]
- Попов, Р. 1919, 'The Kozhda-Dermen mound near the town of Shumen', *Bulletin de la société archeologique bulgare* 6, 1919, pp. 71–157. / [Попов, Р. 1919, 'Коджа-Дерменската могила при гр. Шумен', *Известия на българското археологическо дружество* 1916/1918 6, 1919, с. 71–157.]
- Попов, Р. 1933, 'Material on the research of the subfossil species from the genus Felis', *Sbornik v chest na prof. A. Ishirkov, Izvestia na balgarskoto georaficheskoto drujestvo* 1, 1933. / [Попов, Р. 1933, 'Материал за проучване на субфосилните видове от рода Felis', *Сборник в чест на проф. А. Иширков, известия на българското географско дружество* 1, 1933.]
- Попов, Р. 1933, 'Research on the fossil and subfossil remains of the genus Canis, contribution on the study of the prehistoric mammalian fauna of Bulgaria', *Annuaire de musée national Bulgare* 1926/1931 V, 1933, pp. 39–83. / [Попов, Р. 1933, 'Изследвания върху фосилните и субфосилните останки от рода Canis в България, принос към проучването на предисторическата бозайна фауна на България, Годишник на народния музей 1926/1931 V, с. 39–83.]
- Ribarov, G. & Bоеv, Z. 1992, 'Research on neolithic remains from the settlement Malak Preslavets, Silistra region', *Dobrudzha* 9, 1992, pp. 85–90. / [Рибаров, Г. & Боев, З. 1992, 'Проучване на неолитни останки от селището Малък Преславец, Силистренско', *Добруджа* 9, 1992, с. 85–90.]
- Ribarov, G. & Bоеv, Z. 1997, 'Bone remains from wild and domestic animal from Telish-Redutite', *Historia naturalis Bulgaria* 4, 1997, pp. 61–70. [Рибаров Г., Боев, З. 1997, 'Костни останки от диви и домашни животни от Телиш - Редутите (Плевенски окръг)', *Historia naturalis Bulgaria* 4, 1997, с. 61–70.]
- Ribarov, G. 2008, 'Prehistoric archeozoological remains from adornments and everyday objects from the region of Nova Zagora, South-eastern Bulgaria', In: Kancheva-Rouseva, T. (ed.), *Archaeologicheskii I istoricheski prouchvania v Novozagorsko*, vol. 2, pp. 220–226. / [Рибаров Г. 2008, 'Праисторически археозоологически останки от накити и предмети на бита от региона на Нова Загора, Югоизточна България', В: Кънчева-Русева, Т. (ред.), *Археологически и исторически проучвания в Новозагорско*, т. 2, с. 220–226.]
- Spasov, N. & Iliev, N. 1994, 'Animal remains from the submerged Late Eneolithic - early Bronze Age settlements in Sozopol (South Bulgarian Black Sea Coast)', *Proceedings of the International Symposium Thracia Pontica* 6, pp. 287–314.
- Spasov, N. & Iliev, N. 2002, 'The animal bones from the prehistoric necropolis near Durankulak (NE Bulgaria) and the latest record of Equus hydruntinus Regalia', In: Todorova, H. (ed.), *Durankulak band II, Teil 1. Die Prähistorischen gräberfelder von Durankulak*, *Deutsches Archäologisches Institut, Anubis*, pp. 313–324.
- Spasov, N. & Iliev, N. 2007, 'Comparative study of the Domestic and wild Animals from the Sector Topolnica. In: Todorova, H., Stefanovich, M., Ivanov, G. (eds.), *The Struma/Strymon River Valley in Prehistory. Proceedings of the International Symposium Strymon Praehistoricus, Kjustendil-Blagoevgrad (Bulgaria), Serres-Amphipolis (Greece)*, Sofia, pp. 519–522. / [Илиев, Н. & Спасов, Н. 2007, 'Компаративно изследване на дивите и домашни животни от сектор Тополница', В: Тодорва, Х., Стефанович, М. & Иванов, Г. (ред.), *The Struma/Strymon River Valley in Prehistory. Proceedings of the International Symposium Strymon Praehistoricus, Kjustendil-Blagoevgrad (Bulgaria), Serres-Amphipolis (Greece)*, Sofia, pp. 519–522.]
- Spasov, N. & Iliev, N. 2014, 'Chapter XII. Faunal remains from Early Neolithic Yabalkovo, bone remains from domestic and wild animals', In: Roodenberg, J., Leshtakov, K., Petrova, V.

- (Eds), Maritsa Project. Volume 2. Yabalkovo. ATE – Ars et Technica Explicatus, Sofia University “St Kliment Ohridski”, Sofia, pp. 425–432.
- Spassov, N. & Iliev, N. 2020, ‘Analyses of bone remains from wild and domestic animals from the prehistoric site Akladi Cheiri, Chernomorets: Late Neolithic, Chalcolithic and Early Bronze Ages’, In: Krauß, R. (ed.), Prehistoric mining and metallurgy at the Southeast Bulgarian Black Sea coast, RessourcenKulturen Band 12, Tübingen University Press, pp. 161–170.
- Spassov, N., Iliev, N. & Boev, Z. 2001, ‘The Animal Remains from the Chalcolithic archaeological site near Dolnoslav (Plovdiv Distr., Historia naturalis Bulgarica 13, pp. 159–179. / [Спасов, Н., Илиев, Н. & Боев, З. 2001, ‘Животинските останки от енеолитния археологически обект край с. Долнослав (Пловдивска област)’, Historia naturalis Bulgarica, 13, 159–179.]
- Spassov, N., Karastoyanova, N., & Chohadzhiev, S. 2015, ‘The Remains of Wild and Domestic Animals from the Late Chalcolithic Tell Settlement of Hotnitsa (Northern Bulgaria)’, Archaeologia Bulgarica XIX 2, 2015, pp. 1–21.
- Vasilev, V. 1981, ‘A second find of bison remains (Bison Bonasus L.) in Bulgaria, with a contribution on the ontological criteria for distinguishing bison and cattle’, Interdisciplinary Studies 7-8, 1981, pp. 89–98. / [Василев, В. 1981, ‘Втора находка от зубър (Bison Bonasus L.) в България, с принос към въпроса за остеологичните различия между зубъра и говедото’, Интердисциплинарни изследвания 7-8, 1981, с. 89–98.]
- Vasilev, V. 1981, ‘The Eneolithic domestic sheep from Ovcharovo’, Interdisciplinary Studies 7-8, 1981, pp. 65–76. / [Василев, Васил. Енеолитната домашна овца от Овчарово, Интердисциплинарни изследвания. Т. V II—V III. С., 1981, с. 65–76.]
- Vasilev, V. 1985, ‘Research on the faunal remains from the settlement mound Ovcharovo’, Interdisciplinary studies 13, Sofia. / [Василев, В. 1985, ‘Изследвания на фауната от селищна могила Овчарово’, Интердисциплинарни изследвания 13, София.]
- *Bronze Age (3rd – 2nd mil. BC).***
- Athanassov, B., Gorczyk, J., Kulov, I. & Stockhammer, P. 2016, ‘Eine Eberzahnlamelle aus der spätbronzezeitlichen Siedlung von Bresto’, In: Bacvarov, K. & Gleser, R. (eds.) Southeast Europe and Anatolia in Prehistory, Essays in Honor of Vassil Nikolov on His 65th Anniversary, Universitätsforschungen zur Prähistorischen Archäologie 293, pp. 465–474.
- Boev, Z. & Ribarov, G. 1990, ‘The ornitofauna from the sunken settlement Urdoviza (Kiten) from the Early Bronze age’, Arheologia 2, pp. 53–57. / [Боев З., Г. Рибаров. 1990. Орнитофауната на потъналото селище при Урдовиза (днес Китен) от раннобронзовата епоха.- Археология, 2, с. 53–57.]
- Boev, Z. 2006, ‘Avian remains from the Early Bronze Age settlement near Dyadovo village (vicinity of the town of Nova Zagora, Stara Zagora Region, SE Bulgaria)’, Historia naturalis bulgarica 17, 2006, pp. 133–135
- Dzhebir, G., Yordanov, G., Yankova, I., Sirakova, D., Petrova, M., Neov, B., Hristor, P, Radoslavov, Georgi, 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, 2018, pp. 3–10.
- Gorczyk, J., Athanassov, B., & Stockhammer, P. W. 2018, ‘Hunting together: Social aspects of hunting at a 13th–12th century BC fortified site in southwestern Bulgaria’, In: Ivanova, M. et al. (eds.) Social Dimensions of Food in the Prehistoric Balkans, pp. 300–319.
- Ivanov, S, Petrov, A, & Tzankov, Ts. 1977, ‘The animal husbandry of the inhabitants of the settlements from the Varna region from the Late Neolithic and the Early Bronze age’, Jivotnovudni Nauki XIV, No. 4, 1977, pp. 132–139. / [Иванов, С., Петров, А, & Цанков, Ц. 1977, ‘Животновъдните практики на населението от селищата край района на Варна от Късния Неолит до Ранната Бронзова епоха’, Животновъдни науки XIV, 4, 1977, с. 132–139.]
- Ivanov, S. & Vasilev, V. 1979, ‘Research on the animal bone remains’, In: Georgiev, G. et al. (eds.) Ezero: The Early Bronze age settlement, BAS,

- Sofia, pp. 425–490. / [Иванов, С. & Василев, В. 1979, 'Проучване на животинските костни остатъци', В: Георгиев, Г. (ред.) Езеро. Раннобронзовото селище, БАН, София, с. 425–490.]
- Ivanov, S. 1959, 'The domestic and wild animals in the everyday life of the population of Yasa Tepe, Plovdiv', *Godishnik na narodnia arheologicheski muzei v Plovdiv* 3, 1959, p. 81. [Иванов, С. 1959, 'Домашните и дивите животни в бита на населението от Яса тепе в Пловдив', *Годишник на Народния археологически музей в Пловдив* 3, 1959, с. 81.]
- Krasteva, M. 2011, 'Analysis of the faunal remains from the Bronze age cult site near the village of Bikovo (Upper Thrace), Bulgaria', *Bulgaria Bulgaria: A multi-contextual approach*, unpublished MA thesis, University of Edinburgh.
- Nakamura, H. 2005, 'The Preliminary Analysis of the Animal Bones Found in Dyadovo tell', In: Kamuro, H. (Ed.), *Dyadovo Excavation 2004. A Preliminary Report of the 16th Excavation at Dyadovo, Bulgaria*, Tokai University Thracian Expedition, Grant-in-Aid for Scientific Research (B), 2004, *Dyadovo Studies* 4, pp. 24–25.
- Ninov, L. 2009, 'Animals from the archaeological complex nearby Koprivlen village, Goce Delchev region (Part I)', *Interdisciplinary studies XX-XXI*, Sofia, 2009, pp. 166–170, ISSN 0204-966.
- Ninov, L. 2009, 'The economy of the fauna from the Late bronze age settlement near Koprivlen, Southwestern Bulgaria', *Archaeologia* 1-4, 2009, Sofia, pp. 105–110. / [Нинов, Л. 2009, 'Стопанско значение на фауната от късното бронзово селище при с. Копривлен, Югозападна България', *Археология* 1-4, 2009, София, с. 105–110, ISSN 0324-1203]
- Ribarov G. 1991, 'The Osteological Material from the Sunken Settlement at Ourdoviza', *Acta de Symposium International: Thracia Pontica IV*, pp. 113–118.
- Ribarov, G. 1994, 'Arheozoological Material From the Eneolithic and Early Bronze Age Settlement at Sosopol', *Actes de Symposium: Thracia Pontica V*, pp. 51–56.
- Spassov, N., Hristova, L., & Iliev, N. 2018, 'The domesticated horses from the submerged prehistoric village of Urdoviza (Kiten) on the Bulgarian Black Sea coast—among the oldest known', *Historia naturalis bulgarica* 25, 2018, pp. 11–14.
- *Iron Age (1st mil. BC)*
- Boev, Z. & Stallibrass, S. 2020, 'Avian Remains from the Thracian Trade Settlement Pistiros (5–2 c. BC) near Vetren, Pazardzhik Province (SC Bulgaria)', *Bulletin of the Natural History Museum–Plovdiv* 5, pp. 43–47.
- Georgieva, R. 2016, 'Riders burials in Thrace', In: Henry, O & Kelp, U (ed.), *Tumulus as Sema: Space, Politics, Culture and Religion in the First Millennium BC*, *ТОРОИ* vol. 27, pp. 269–280.
- Karastoyanova, N., Nikolova, S. & Nezhrizov, G. 2022, 'Faunal remains from the Early Iron Age rock-cut complex Gluhite Kamani (Eastern Rhodopes, Bulgaria)', *Historia naturalis bulgarica* 45 (5), ISSN 0205-3640, pp. 107–124.
- Katsarov, G. 1913, 'The everyday life of the old Thracians according to the classical authors', *Sbornik na balgarskata academia na naukite* 1, 1913. / [Кацаров, Г. Битът на старите траки според класическите писатели. Сборник на българската академия на науките, Сборник на българската академия на науките, 1, 1913.]
- Kouzmanov, M. 2005, 'The horse in the Thracian burial rites', In: Bouzek, J., Domaradzka, L. (eds.), *The Culture of Thracians and their Neighbors*, *Proceedings of the International Symposium in memory of prof. Mieczyslaw Domaradzki with Round table "Archaeological map of Bulgaria"*, pp. 143–146.
- Marinova, E., De Cupere, B., & Nikolov, V. 2016, 'Preliminary results of the bioarchaeological research at the Neolithic site of Mursalevo (Southwest Bulgaria): evidence on food storage, processing and consumption from domestic contexts', *UPA Vol. 293*, 2016, pp. 509–526.
- Markov, G. 1958, 'Contribution to the study on the mammals in Bulgaria, materials from Seuthopolis', *Ivestia na zoologicheskia institute* 7, pp. 134–161. [Марков, Г. 1958, 'Принос към изучаването на бозайниците в България, материали от Светополис', *Известия на Зоологическия институт*, кн. VII, с. 134–161.]

- Nikov, K., Marinova, E., De Cupere, B., Hristova, I., Dimitrova, Y., Iliev, S., & Popov, H. 2018, 'Food supply and disposal of food remains at Late Bronze and Early Iron Age Ada Tepe: bioarchaeological aspects of food production, processing and consumption,' In: Ivanova, M. (ed.) *Social Dimensions of Food in the Prehistoric Balkans*, pp. 278–299.
- Ninov, L. 1988, 'Archaeozoological research of the tomb near Sveshtari,' *Terra Antiqua Balcanica* 3, 1988, pp. 179–183. / [Нинов, Л. 1988, 'Археозоологични проучвания на гробницата край Свещари', *Terra Antiqua Balcanica* 3, 1988, с. 179–183.]
- Ninov, L. 1992, 'Animal remains from the tomb in tumulus No 13 in Sbornyanovo,' *Helis* vol. 2, pp. 127–132.
- Ninov, L. 1996, 'Animal remains from two Thracian tombs in the Kazanlak valley – Sashova and Slavchova,' *Arheologia* 2-3, 1996, pp. 23–30. / [Нинов, 1996, 'Животински останки от две тракийски гробници в Казанлъшката котловина – Сашова и Славчова могила, *Археология* 2-3, 1996, с. 23–30.]
- Ninov, L. 1996, 'Sacrificed animals from mound 1 near Ravnishte, Botevgrad region,' *Arheologia* 1, 1996, pp. 29–33. / [Нинов, 1996, 'Жертвените животни от могила №1 край с. Равнище, Ботевградско', *Археология* 1, 1996, с. 29–33.]
- Ninov, L. 1996, 'The animals from the Thracian burial mounds No12 and No13 in the archaeological reserve Sbornyanovo,' In: Gergova, D. (ed.) *Obredat na obezsmurtiavaneto v Drevna Trakia*, pp. 207–213. / [Нинов, Л. 1996, 'Животните от тракийските надгробни могили No12 и No13 в Археологическия резерват Сборяново', В: Гергова, Д. (ред.), *Обредът на обезсмъртяването в Древна Тракия*, с. 207–213.]
- Ninov, L. 1997, 'Some characteristics of the Thracian horses,' *Godishnik na Natsionalniya Arheologicheski Muzeii* 10, 1997, pp. 177–185. / [Нинов, Л. 1997, 'Някои характерни данни за тракийските коне', *Годишник на Националния Археологически Музей* 10, с. 177–185.]
- Ninov, L. 2005, 'Osteoarcheological research of materials from the pit sanctuary near Svilengrad,' In: Nikolov, V., Nehrizov, G. & Tvetskova, U. (eds.), *Spasitelni arheologicheski razkopki po traseto na zhelezoputna linia Plovdiv – Svilengrad prez 2004*, pp. 502–511. / [Нинов, Л. 2005, 'Остеархеологични изследвания на материали от ямното светилище при Свиленград', В: Николов, В., Нехризов, Г. & Цветкова, Ю. (ред.) *Спасителни археологически проучвания по трасето на железопътната линия Пловдив-Свиленград през 2004*, с. 502–511.]
- Ninov, L. 2008, 'Animal remains from the sanctuary near Babiak,' In: Tonkova, M. & Gotsev, A. (eds.), *Trakijskoto svetilishte kraj Babiak I negovata arheologicheska sreda*, pp. 168–171. / [Нинов, Л. 2008, 'Животински останки от района на светилището при Бабяк', В: Тонкова, М. & Гоцев, А. (ред.), *Тракийското светилище при Бабяк и неговата археологическа среда*, с. 168–172.]
- Ninov, L. 2008, 'Osteological analysis of materials from the Bronze and Iron age,' *Archeological discoveries, and excavations in 2007, 2008*, pp. 239–296. / [Нинов, Л. 2008, 'Остеологични анализи на материали от бронзовата и желязната епоха' *Археологически открития и разкопки през 2007 г., 2008*, с. 293–296.]
- Ninov, L. 2008, 'Research on archaeozoological materials from the site near Svilengrad,' In: Nikolov, V., Nehrizov, G. & Tvetskova, U. (eds.), *Spasitelni arheologicheski razkopki po traseto na zhelezoputna linia Plovdiv – Svilengrad prez 2005*, pp. 534–549. / [Л. Нинов, 2008, 'Изследване на археозоологични материали от обекта при Свиленград', В: Николов, В., Нехризов, Г. & Цветкова, Ю. (ред.), *Спасителни археологически разкопки по трасето на железопътната линия Пловдив – Свиленград през 2005 г.*, 534–549.]
- Ninov, L. 2009, 'Osteological materials found in settlements and cult sites from the Bronze and Iron age,' *Archeological discoveries, and excavations in 2008, Sofia, 2009*, pp. 312–316. / [Нинов, Л. 2009, 'Остеологични материали открити в селища и култови обекти от бронзовата и желязната епоха', *Археологически открития и разкопки през 2008 г., София, 2009*, с. 312–316, ISSN 1313-0889.]
- Ninov, L. 2010, 'Archeozoological investigations of the Thracian town Sbornyanovo (preliminary

- results), *Interdisciplinary studies*, 2010, Sofia, pp.193–205.
- Ninov, L. 2013, 'Archeozoological research on sites from the Bronze and Iron age', *Archeological discoveries, and excavations in 2012, 2013*, pp. 192–194. ISSN: 1313-0889. / [Нинов, Л. 2013, Археозоологически изследвания на обекти от бронзовата и желязната епоха, Археологически открития и разкопки през 2012 г., София, 2013, с. 192–194, ISSN: 1313-0889.]
- Ninov, L. 2015, '№ 120. Animal remains from open sites from the Bronze, Early Iron age and Antiquity', *Archeological discoveries, and excavations in 2014*, pp. 575–576. / [Нинов, Л. 2015, '№120. Животински останки на открити обекти от бронзовата, ранножелязната и античната епоха', Археологически открития и разкопки през 2014, 2015, с. 575–576.]
- Ninov, L. 2016, 'Interdisciplinary and contextual analysis of materials from buildings from the south district bellow the town of the getic capital in AR Sborianovo', *Ot nahodkata do vitrinata: Sbornik esenni chetenia Sborianovo 2014 vol. 11, Faber publishing*, pp. 117–126. [Нинов, Л. 2016, 'Интердисциплинарни и контекстуални анализи на материали от жилищни структури от южно подградие на гетската столица в АР Сборяново', *От находката до витрината: Сборник есенни четения Сборяново 2014 Т. 11, Фабер*, с. 117–126.]
- Nishita, Y., Amaike, Y., Spassov, N., Hristova, L., Kostov, D., Vladova, D., ... & Masuda, R. 2023, 'Diversity of mitochondrial D-loop haplotypes from ancient Thracian horses in Bulgaria', *Animal Science Journal*, 94 (1), doi: e13810. 10.1111/asj.13810.
- Popov, R. 1932, 'A dog breed (*Canis familiaris*) from the 5th cen. BC, *Trudove na balgarskoto prirodnoizpitatelno druzhestvo 15-16, 1932*, pp. 269–288. [Попов, Р. 1932, 'Една кучешка раса (*Canis familiaris*) от V-ти в. пр. Хр.', *Трудове на Българското природноизпитателно дружество том 15-16, с. 269–288.*]
- Popov, R. 1934, 'Remains of horses from mounds 1 and 3 near the road Shumen-Kaspichan', *Madara vol. 1, Sofia*, pp. 439–446. / [Попов, Р. 1934, 'Останки от кон в могили 1 и 3 край шосето Шумен-Каспичан', *Мадара том 1, София*, с. 439–446.]
- Popov, R. 1936, 'Research on a dog race from mound 2 near Madara, *Madara volume 2*, pp. 99–106. [Попов, Р. 1936, 'Изследвания върху кучешка раса от могила № 2 при Мадара', *Сб. Мадара II*, с. 99–106.]
- Rabadjiev, K. 2014, 'The Horse, the Chariot, and the Horseman: On the Interpretation of Images in Thracian Culture' *Universitetsko izdatelstvo Sv. Kliment Okhridski*, ISBN: 9540736676. / [Рабаджиев, К. 2014, 'Конят, колесницата и конникът: Към интерпретацията на образа в тракийската култура, Университетско издателство „Св. Климент Охридски“, ISBN: 9540736676.]
- Ribarov, G. & Bоев, Z. 1990, 'Research on the animal remains from Yasa tepe near Yambol from the Late Iron Age', *Interdisciplinary studies 17, 1990*, pp. 83–90. / [Рибаров Г. & Боев, З. 1990, 'Проучване на останките от животни в Ясъ-тепе край Ямбол от късножелязната епоха', *Интердисциплинарни изследвания 17, 1990*, с. 83–90.]
- Ribarov, G. 1997, 'The wild and domestic animals from the Late Iron age complex Staroto selishte, near the village of Gledachevo, *Martisa-Iztok vol. 4*, pp. 55–59. / [Рибаров, Г. 1997, 'Дивите и домашни животни в късножелязната ямен комплекс при Старото Селище до с. Гледачево', *Марица - Изток т. 4, с. 55–59.*]
- Ribarov, G. 2009, 'Archaeozoological analysis of animal remains from the excavations near km 6 + 400 - 6 + 800 of highway Thrakia, vicinity of Bad Bunar', In: Momchilov, D. (ed.) *Rescue archeological research on the road bed on the national highway Thrakia, LOT 5, surrounding road of the town of Karnobat, KM. 6+400 - 6+800, Varna*, pp. 165–172.
- Spassov, N. 2018, 'Typology of Thracian horses according to osteological analysis of skeletal remains and depictions from the antiquity', *Historia naturalis bulgarica 25*, pp. 15–24.
- Stallibras, S. 2010, 'Body Parts, Placements, and People in an Iron Age Town in Bulgaria', In: Campana, D, Choyke, A., Crabtree, P., de-France, S., LevTov, J. (eds.), *Anthropological Approaches to Zooarchaeology: Colonialism,*

- Complexity and Animal Transformations, Oxford, pp. 56–64.
- Stallibrass, S. 2013, 'Animal bone deposition in Adjijska vodenitza, Vetren, Bulgaria: can it highlight different areas of past human activity in and around the town?', In: Bouzek, J., Domaradska, L., Gotsev, A. & Archibald, Z. (eds.), *Pistiros V: Excavations and studies*, Charles university publishing, Prague, pp. 272–288.
- Stallibrass, S. 2007, 'Research questions and some preliminary results for the animal bones from the excavations at Adjijska vodenitza, Vetren, Bulgaria', In: Bouzek, J., Domaradska, L. & Archibald, Z. (eds.), *Pistiros III: Excavations and studies*, Charles university publishing, Prague, pp. 264–272.
- Teleaga, E. & Bălăşescu, A. 2014, 'Vorbericht über die Untersuchungen des Wagengrabes in einer Kragkuppelkonstruktion der frühhellenistischen Zeit unter der Žaba Mogila (bei Strelča, Zentrallbulgarien)', *Archaeologia Bulgarica* 18, 2014, pp. 19–51.
- Vasilev, V. & Georgiev, G. 1985, 'The domestic and the wild animals from mound 3 near Krалеvo village', *Arheologia* 1, 1985, pp. 1–13. [Василев, В. & Георгиев, Г. 1985, 'Домашните и дивите животни от могила No3 край с. Кралево', *Археология* I, 1985, с. 1–13.]
- Velkov, V. 1956, 'The fauna of ancient Thrace as reported in Classical literature', *Природа* 1, 1956, pp. 75–79. [Велков, В. 1956, 'Фауната на древна Тракия, отразена в античната литература', *Природа* 1, 1956, с. 75–79.]
- Venedikov, I. 1981, 'Agriculture of the Thracians', In: Venedikov, I et al. (eds.) *Razvitie na zemedeliето po balgarskite zemi*, Zemizdat publishing, Sofia. [Венедиков, И. 1981, 'Земеделието при траките', In: Венедиков, И. (et al eds.), *Развитие на земеделието по българските земи*, издателство Земиздат, София.]
- *Roman period and Late Antiquity (1st-6th century AD). ***
- Bartosiewicz, L., & Choyke, A. 1995, 'Die Tierreste aus Iatrus-Krivina (Ausgrabung 1970–1972)', *Iatrus-Krivina. Spätantike Befestigung und frühmittelalterliche Siedlung an der Donau*, 5, pp. 117–121.
- Beech, M. 1998, 'The economy and environment of a Roman, late-Roman and early Byzantine town in north-central Bulgaria: the mammalian fauna from Nicopolis-ad-Istrum', *Anthropozoologica* 25, 1998, pp. 619–630.
- Benecke, N. 2007, 'Archäozoologische Untersuchungen an Tierresten aus dem Kastell Iatrus', *Iatrus-Krivina VI, limesforschungen studien zur organisation der Römischen reichsgrenze an Rhein und Donau: Band 28*, Verlag Philipp von Zabern, Mainz am Rhein ISBN 978-3-8053-3859-2, pp. 384–415.
- Biernacki A. & Klenina, E. 2022, 'The Roman Legionary Camp and Early-Byzantine Town of Novae (Moesia Inferior / Moesia Secunda) after Sixty Years of Research', In: Klenina, E. (Ed.), *Novae. Studies and Materials VIII, Actum Atque Tractatum, Uniwersytet im Adama Mickiewicza w Poznaniu, Poznan*, pp. 9–49.
- Boev, Z. & Beech, M. 2007, 'The Bird Bones', In: Poulter, A. (ed.), *Nicopolis ad Istrum. A Late Roman and Early Byzantine City. The Finds and the Biological Remains*, Oxbow Books, pp. 242–253.
- Boev, Z. & Ribarov, G. 1993, 'Birds from the ancient town of Kabile (1st mil. BC – 6th cen. AD)', *Historia naturalis bulgarica* 4, pp. 68–76. / [Боев, З. & Рибаров, Г. 1993, 'Птиците на античния град Кабиле (I хил. пр. н. е. – VI в. н. е.) край с. Кабиле (Бургаска област)', *Historia naturalis bulgarica* 4, pp. 68–76.]
- Boev, Z. 1991, 'The birds of the Roman town of Nicopolis ad Istrum (2nd–6th c. AD) at Nikjup, Lovech Region', *Historia naturalis bulgarica* 3, 1991, pp. 92–102.
- Boev, Z. 1997, 'Birds of the Roman settlement Arbanas – 1 near town of Pernik', *Historia naturalis bulgarica* 7, 1997, p. 28. / [Боев, З. 1997, 'Птиците от римското селище Арбанас -1 край Перник', *Historia naturalis bulgarica* 7, 1997, p. 28.]
- Boev, Z. 2006, 'Late Holocene avian remains from the localities of the Roman period in Bulgaria', *Historia naturalis bulgarica* 17, pp. 109–123.
- Boev, Z. 2014, 'Animal remains of the Late Antiquity settlement near Dyakovo Village (Kyustendil Region (SW Bulgaria))', *ZooNotes* 65, 2014, pp. 1–7.

- Boev, Z. 2017, 'New data on the subfossil fauna from "Forum Serdica" (Sofia City, Bulgaria; 3-19th century A. D.)', *Historia naturalis Bulgarica* 24, 2017, pp.179–186.
- Boev, Z. 2018, 'Birds in everyday life and art in Bulgaria (Thracian and Roman periods)', *Historia naturalis bulgarica*, 27, 2018, pp. 3–39.
- Boev, Z. 2018, 'Subfossil fauna from "Forum Serdica" (Sofia City, Bulgaria) of Antiquity (2nd–4th century AD) and Ottoman Epoch (15th–18th century AD) (Excavations 2017)', *Bulletin of the Natural History Museum–Plovdiv* 3, pp. 7–13.
- Boev, Z. 2019, 'Late Antiquity (3–5 century AD) Fauna from Building Excavations on Exarch Joseph Street (Sofia City, Bulgaria)', *Bulletin of the Natural History Museum–Plovdiv*, 4, pp. 1–8.
- Boev, Z. 2019, 'Late Antiquity animal remains of the military settlement near Barkach village (Pleven Region, CN Bulgaria)', *ZooNotes* 145, 2019, pp. 1–3.
- Boev, Z. 2019, 'Late Antiquity (3–5 century A.D.) fauna from building excavations on Exarch Joseph Street (Sofia City, Bulgaria)', *Bulletin of the Natural History Museum – Plovdiv* 4, pp. 1–8.
- Boev, Z. 2020, 'New Data on the fauna of the late antiquity northern fortification walls of Serdica (3rd-6th century A.D.) from building excavations on Exarch Joseph Street (Sofia, Bulgaria)', *Bulletin of the Natural History Museum – Plovdiv* 5, pp. 15–23.
- Boev, Z. 2020, 'Bird images in the mosaics of Late Antique basilicas in the town of Sandanski (Blagoevgrad Region, SW Bulgaria)', *Historia naturalis Bulgarica* 41, 2020, pp. 13–21. Doi: 10.48027/hnb.41.02001.
- Boev, Z. 2022, 'Animal remains of the Late Antiquity settlement (3rd-6th century A. D.) near Shipot village (Vidin Region, NW Bulgaria)', *Bulletin of the Natural History Museum – Plovdiv* 7, 2022, pp. 5–11.
- Boev, Z. 2022, 'Animal remains of the Late Antique fortified site (4th-6th century AD) near Shipot village (Vidin Region, NW Bulgaria)', *Bulletin of the Natural History Museum* 7, 2022, pp. 5–11.
- Chrzanowska, A. & Molenda, O. 1983, 'Bone remains from mammals from the site of Novae (Bulgaria)'. / [Chrzanowska, A. & Molenda, O. 1983, 'Szczątki kostne ssaków ze stanowiska Novae (Bułgaria)', *Roczniki Akademii Rolniczej w Poznaniu, CXLV Archeozoologia* 8, pp. 3–19.]
- Gręzak, A. & Piątkowska-Małecka, J. 2000, 'Animal remains from the principia in Novae from the 4th century. / [Gręzak, A. & Piątkowska-Małecka, J. 2000, 'Szczątki zwierzęce z principia w Novae Z IV W', In: Dycka, P. (ed.) *Novensia 12: Ośrodek Badan Archeologicznych w Novae Uniwersytetu Warszawskiego*, Warszawa, pp. 99–105.]
- Gręzak, A. & Lasota-Moskalewska, A. 1998, 'Szczątki zwierzęce z principia w Novae z I w. n.e.', In: Dycka, P. (ed.) *Novensia 11: Ośrodek Badan Archeologicznych w Novae Uniwersytetu Warszawskiego*, Warszawa, 1998, pp. 203–209.
- Iliev, N., Boev, Z. & Spassov, N. 1992, 'Animal bones from a late antiquity villa and early byzantine settlement in Vela voda, district, Pernik', *Arheologia* 1, pp. 44–53. [Илиев, Н., Боев, З. & Спасов, Н. 1992, 'Животински кости от късноантична вила и ранновизантийско селище в кв. Бела вода, Перник', *Археология* 1, 1992, с. 44–53.]
- Iliev, N., Boev, Z. & Spassov, N. 1993, 'Animal bone material from the Roman town Ratsiaria (2nd-4th cen.) near Archar, Mihailovgradski region, *Arheologia* 4, 1993, pp. 52–59. / [Илиев, Н., Боев, З. & Спасов, Н. 1993, 'Животински костен материал от римския град Рациария (II-IV в.) край с. Арчар, Михайловградска област', *Археология* 4, 1993, с. 52–59.]
- Johnstone, C. J. & Hammon, A. 2019, 'Chap. 23. Mammal and bird bones', In: Poulter, A. (ed.) *The transition to Late Antiquity on the lower Danube, Excavations and survey at Ditchin, a late Roman and Early Byzantine fort and a Roman aqueduct*, Oxbow books, pp. 577–661.
- Makowiecki, D. & Schramm, Z. 1995, 'Preliminary results of studies on the archaeozoological material from excavations in Novae (season 1992)', In: A. Biernacki (ed.) *Novae. sfudies and Mateńa's I*, Poznań, 1995, pp. 71–81.
- Makowiecki, D. 1999, 'Animal economy in the microregion of Novae in the light of its archaeozoological data', In: von Bülow, G. &

- Milčeva, A. (eds.), *Der Limes an der Unteren Donau von Diokletian bis Heraklios*, Sofia, pp. 31–56.
- Маковиеcki, D., & Iwaskiewicz, M. 1996, 'Fish skeletal remains from excavations at Novae (1988, 1990, 1993 seasons)', *Archeologia Warsawa* 46, 1996, pp. 52–53.
- Ninov, L. & Ivanova, I. 2012, 'Morphometric and statistical analysis of animals from the antique fort Kovachevo kale', *Popovo – Minalo i Badeshte, VI natsionalna nauchna konferentsia chast 1, Veliko Tarnovo*, pp. 315–343. / [Нинов, Л. & Иванова, Й. 2012, 'Морфометрични и статистически анализи на животните от античната крепост Коваческо кале', *Попово – Минало и Бъдеще, VI национална научна конференция част 1, Велико Търново*, с. 315–343.]
- Ninov, L. 2003, 'Ritual burial of a horse in the necropolis in the locality Yaylata', V: Angelova, S. (red.), *Studia archaeologica. Supplementum I: Sbornik v chest na d-r Petar Gorbanov, Godishnik na Sofiyskia universitet SU. Sv. Kliment Ohridski, Spetsialnost arheologia*, pp. 115–122. / [Нинов, Л. 2003, 'Ритуално погребение на кон в некропола в местността Яйлата', В: Ангелова, С. (ред.), *Studia archaeologica. Supplementum I: Сборник в чест на д-р Петър Горбанов, Годишник на Софийския университет СУ. Св. Климент Охридски, Специалност археология*, с. 115–122.]
- Ninov, L. 2005, 'The archeosteological material from Nikopolis ad Istrum (Preliminary results for the food and feeding habits)', *Yubileen sbornik v chest na prof. Yordan Yordanov, V. Tarnovo*, pp. 443–445. / [Нинов, Л. 2005, 'Археостеологичният материал от Никополис ад Иструм (Предварителни резултати за храната и храненето, Юбилеен сборник в чест на проф. Йордан Йорданов, В. Търново, с. 443–445.)
- Ninov, L. 2007, 'Archeosteological research of Antique sites in 2006', *Archaeological discoveries, and excavations in 2006, Sofia*, 2007, pp. 359–360. / [Нинов, Л. 2007, 'Археостеологични проучвания на антични обекти', *Археологически открития и разкопки през 2006 г. София*, 2007, с. 359–360.]
- Ninov, L. 2008, 'Archeosteological research of sites from Antiquity', *Archeological discoveries, and excavations in 2007*, pp. 515–518. / [Нинов, Л. 2008, 'Археостеологични проучвания на антични обекти', *Археологически открития и разкопки през 2007 г.*, 2008, с. 515–518.]
- Ninov, L. 2008, 'The animals from antiquity in the region of Popovo and Targovishte', *Popovo v minaloto 5: 50 godini muzei v Popovo, Istoricheski muzei Popovo*, pp. 190–210. / [Нинов, Л. 2008, 'Животните през древността в района на Попово и Търговище', *Попово в миналото V: 50 години музей в Попово, Исторически музей Попово*, с. 190–210.]
- Ninov, L. 2009, 'Osteoarheological research on sites from Antiquity', *Archaeological discoveries and excavations in 2008, Sofia*, ISSN 1313-0889, pp. 537–540. / [Нинов, Л. 2009, 'Остеоархеологични проучвания на обекти от античността', *Археологически открития и разкопки през 2008 г.*, София, 2009, ISSN 1313-0889, с. 537–540.]
- Ninov, L. 2009, 'The animals in the material culture of the people in Moesia and Thracia during the 1st-7th century', *Arheologia na balgarskite zemi III, Sofia*, 2009, ISBN 978-954-9388-25-1, pp. 205–223. / [Нинов, Л. 2009, 'Животните в материалната култура на хората в Мизия и Тракия през I – VII век', *Археология на българските земи III*, София, 2009, ISBN 978-954-9388-25-1, с. 205–223.]
- Ninov, L. 2013, 'Animal remains from the sanctuary', In: Torbatov, S. (ed.), *The sanctuary of the Thracian horseman by Sostra, Unicart publishing*, ISBN 978-954-2953-23-4, pp. 229–245. / [Нинов, Л. 2013, 'Животинските кости от светилището', В: Торбатов, С. (ред.), *Светилище на Тракийския конник край Состра*. София, 2013, ISBN 978-954-2953-23-4, с. 229–245.]
- Ninov, L. 2013, 'Archaeozoological research of materials from the archaeological site of Sexanginta Prista', In: Varbanov, V. (ed.) *Sexaginta Prista, Trakiiski yamen kompleks 1, Tarnovo*, pp. 277–301. / [Нинов, Л. 2013, 'Археозоологически изследвания

- на материали от археологически обект Сексагинта приста, В: Върбанов, В. (ред.), *Sexaginta Prista*, Тракийски ямен комплекс 1, Търново, 2013, с. 277–301.]
- Ninov, L. 2013, 'Archeozoological research of Antique sites', *Archaeological discoveries, and excavations in 2012*, Sofia, 2013, ISSN: 1313-0889, pp. 345–346. / [Нинов, Л. 2013, 'Археозоологични проучвания на антични обекти', *Археологически открития и разкопки през 2012 г. София*, 2013, ISSN: 1313-0889, с. 345–346.]
- Ninov, L. 2013, 'Archeozoological analysis of materials from the Early Byzantine fortress of cape Akra, Burgas', In: Hristov, I. et al. (eds.) *Akra prouchvane na rannovizaniiskata krepost na poluostrov Sveti Nikola pri grad Chenomoretets vol. 1*, Sofia, 2013, ISBN 978-954-2953-18-0, pp. 179–198. / [Нинов, Л. 2013, 'Археозоологически анализи на материали от ранновизантийска крепост на нос Акра, Бургаски залив', В: Христов, И et al. (ред.) *Акра проучване на ранновизантийска крепост на полуостров Свети Никола при град Черноморец том 1*, 2013, том 1, ISBN 978-954-2953-18-0, с. 179–198.]
- Ninov, L. 2014, 'Archeosteological research of Antique sites', *Archaeological discoveries, and excavations in 2013*, Sofia, 2014, ISSN: 1313-0889, pp. 429–431. / [Нинов, Л. 2014, 'Археостеологични проучвания на антични обекти', *Археологически открития и разкопки през 2013 г. София*, 2014, ISSN: 1313-0889, с. 429–431.]
- Ninov, L. 2016, 'Archeosteological research of materials from the Ancient fortress Borovets near the village of Razliv', In: Borisova, T. & Zaneva, M. (eds.) *Istoricheski koreni i kulturno istorichesko nasledstvo obshtina Pravets*, Unicart, Sofia, pp. 112–119. / [Нинов, Л. 2016, 'Археостеологични изследвания на материали от Античната крепост Боровец край с. Разлив', В: Борисова, Т. & Занева, М. (ред.) *Исторически корени и културно историческо наследство община Правец*, Unicart, София, с. 112–119.]
- Parks, R. 2019, 'Chap. 22. The fish bones', In: Poulter, A. (ed.) *The transition to Late Antiquity on the lower Danube, Excavations and survey at Ditchin, a late Roman and Early Byzantine fort and a Roman aqueduct*, Oxbow books, pp. 570–575.
- Piasecki, K. 1981, 'Zwierzece szczatki kostne. Aneks IV', *Novae – Sektor Zachodni 1979*, *Archeologia* 32, 1984, pp. 142–143.
- Poulter, A. G., & Beech, M. 2007, 'Nicomolis ad Istrum III: The finds and biological remains: a late Roman and early Byzantine city', Oxbow books, ISBN 978-1842171820.
- Ribarov G. 2001, 'Archaeozoological Finds as Indicators of the Environment, Economy and Life Style', *Archaeological Research v. 5*, Radnevo, 2001, pp. 221–223.
- Ribarov, G. 1983, 'New data on the fauna of Kabile', *Izvestia na muzeite of Ugoiztochna Bulgaria* 6, 1983, pp. 31–41. / [Рибаров, Г. 1983, 'Нови данни за фауната на Кабиле', *Известия на музеите от Югоизточна България т. VI*, 1983, с. 31–41.]
- Ribarov, G. 1990, 'The reduction of mammalian fauna in the vicinity of Kabile (1st mil. BC – 6th cen. AD)', *Terra Antiqua Bulgarica* V, 1990, с. 218–221. / [Рибаров Г. 1990. *Обедняване на бозайната фауна в околностите на Кабиле (I хил. пр. Хр. – 6 в. от н.е.)*, *Terra Antiqua Bulgarica* V, 1990, с. 218–221.]
- Ribarov, G. 1991, 'The fauna of Kabile (1st mil. BC – 6th cen. AD)', *Kabile vol. 2*, pp. 156–167. / [Рибаров Г. 1991, 'Фауната на Кабиле (I хил. пр. Хр. - VI в. от н. е.) по останки от диви и домашни животни', *Кабиле т. II*, с. 156–167.]
- Ribarov, G. 1994, 'Fishing traditions of Inhabitants of Ancient Cabyle and Its Hinterland', *Proceedings of 3rd international symposium Cabyle vol. III*, pp. 421–425.
- Ribarov, G. 1999, 'The animals in the everyday life of the antique (2-4th cen.) and Medieval (9th-12th cen.) settlement near Karanovo, Nova Zagora region', *Arheologicheski i istoricheski prouchvania v Novozagorsko*, Geo pres, 1999, pp. 149–153. / [Рибаров, Г. 1999, *Животните в бита на жителите от античното (II - IV в.) и средновековното (IX - XII в.) селище при Караново, Новозагорско*, Археологически и исторически проучвания в Новозагорско, Гео Прес, 1999, с. 149–153.]
- Ribarov, G. 2004, 'The horses from the ancient burial near the town of Karnobat', *Prirodاتا na Karnobatskia raion vol. 1*, pp. 94–100.

- / [Рибаров Г. 2004. 'Конете от античното погребение до град Карнобат', Природата на Карнобатския регион том 1, с. 94–100.]
- Schramm, Z. 1975, 'Animal bone remains'. / [Schramm, Z. 1975, 'Zwierzęce szczątki kostne', In: Parnickiego-Pudełko, S (ed.), *Novae – Sektor Zachodni 1972, Wyniki badań wykopaliskowych ekspedycji archeologicznej*, Adam Mickiewicz University, Poznań, pp. 215–241.]
- Schramm, Z. 1979, 'Animal bone remains'. / [Schramm, Z. 1979, 'Zwierzęce szczątki kostne', In: Parnickiego-Pudełko, S (ed.), *Novae – Sektor Zachodni 1978-1979, Wyniki badań wykopaliskowych ekspedycji archeologicznej*, Adam Mickiewicz University, Poznań, pp. 97–130.]
- Vasilev, V. & Ivanov, S. 1980, 'The sanctuary near Pernik: The animal remains', In: Venedikov, I. & Fol, A. (eds.) *Trakiiski pametnitsi. Tom 2: Trakiiski svetilishta, Nauka i izkustvo*, Sofia, pp. 9–13. / [Василев В. & Иванов, С. 1980, 'Светилището край Перник, животински останки', В: Венедиков, И. & Фол, А. (ред.) *Тракийски паметници. Том 2: Тракийски светилища*, ИК „Наука и изкуство“, София, с. 9–23.]
- *Medieval period (6th-15th century)***
- Boev, Z. 1995, 'The birds from the medieval settlements in Bulgaria', *Historia naturalis Bulgaria*, 1995, pp. 61–67. / [Боев, З. 1995, 'Птиците от средновековните селища в България', *Historia naturalis Bulgaria*, 1995, с. 61–67.]
- Boev, Z. & Popgeorgiev, G. 2021, 'Animal remains of the medieval settlement (9th –10th century A. D.) near Nedan village (Veliko Tarnovo Region, CN Bulgaria)', *ZooNotes* 170, 2021, pp. 170–174.
- Boev, Z. & Ribarov, G. 1989, 'The birds in the everyday life of the medieval settlement Hisarлъка (Sliven 10th-12th cen.)', *Izvestia na muzeite ot ugoiztochna balgaria* 12, 1989, pp. 207–212. / [Боев З. & Рибаров, Г. 1989, 'Птиците в бита на жителите от средновековното селище на Хисарлъка (Сливен, X–XII в.)', *Известия на музеите от югоизточна България XII*, 1989, с. 207–212.]
- Boev, Z. 1986, 'Bone remains from birds', In: Vazharova, Zh. (ed.) *The medieval settlement Garvan, Silistra region, 6-11 cen.*, Bulgarian Academy of Science publishing, Sofia, p. 68. / [Боев, З. 1986, 'Костни останки от птици', В: Ж. Въжарова (ред.), *Средновековното селище с. Гарван, Силистренски окр., VI–XI в.*, Българска Академия на Науките, София, с. 68.]
- Boev, Z. 1997, 'Falconry in Bulgaria', *Priroda* 3-4, 1997, pp. 74–81. / [Боев, З. 1997, 'Соколарството в България', *Природа* 3–4, с. 74–81.]
- Boev, Z. 2016, 'New animal remains from Pliska, the medieval capital (10 c. AD) of Bulgaria, (Shumen Region, NE Bulgaria)', *Zoonotes* 87, 2016, pp.1–3.
- Boev, Z. 2016, 'Subfossil Vertebrate Fauna from Forum Serdica (Sofia, Bulgaria), 16-18th Century', *Acta Zoologica Bulgarica* 68, pp. 415–424.
- Boev, Z. 2016, 'Biodiversity of vertebrates in Sofia Valley based on their bone remains in "Forum Serdica" in the center of Sofia City (16th-18th century AD)', *Journal of the Bulgarian Academy of Sciences* 3, 2016, pp. 16–22. / [Боев, З. 2016, 'Биоразнообразието от гръбначни животни в Софийското поле въз основа на костните им останки от „Форум Сердика“, София (XVI – XVIII в.)', *Списание на Българската академия на науките* 3, 2016 с. 16–22.]
- Boev, Z. 2017, 'Bone Remains of the Late Antiquity-Early Medieval Deposits of the National Academy of Art (Sofia, Bulgaria)', *Bulletin of the Natural History Museum – Plovdiv* 2, pp. 9–11.
- Boev, Z. 2019, 'Animal remains of the medieval settlement near Brankovtsi village (Vidin Region, NW Bulgaria)', *ZooNotes* 148, 2019, pp. 1–4.
- Boev, Z. 2021, 'Animal remains of the medieval settlement near Petarch village (Sofia Province, CW Bulgaria)', *ZooNotes* 184, 2021, pp. 1–4.
- Boev, Z. 2022, 'Avian remains from the Palace Center and the Citadel of the medieval capital Pliska of Bulgaria (10th century AD)', *ZooNotes* 195, 2022, pp. 1–4.
- Borisov, B. 1991, 'The economy of the medieval settlement on the settlement mound Dyado-

- vo, *Izvestia na muzeite ot Ugoiztochna Balgaria* 14, 1991, pp. 68–83. / [Борисов, Б. 1991, 'Икономиката на средновековното селище върху селищната могила до с. Дядово', *Известия на музеите от Югоизточна България XIV*, с. 68–83.]
- Doncheva-Petkova, L., Apostolov, K. & Ruseva, V. 2016, 'The old Bulgarian necropolis near Balchik, *Balgarska academia na naukite*, Sofia. / [Дончева-Петкова, Л., Апостолов, К. & Русева, В. 2016, 'Прабългарския некропол при Балчик', *Българска Академия на Науките*, София.]
- Пиев, Н. 1994, 'Cattle husbandry in Veliki Preslav (9-10th cen.)', *Arheologia* 3-4, 1994, p. 68. / [Илиев, Н. 1994, 'Товедовъдството във Велики Преслав (9 – 10 в.)', *Археология*, кн. 3-4, с. 68.]
- Ivanov, S. 1965, 'Animal bone remains from the settlement in the locality Dzhedzhovi lozuа, In: Vazharova, Zh. (ed.), *Slavyanski i slavyanobalgarski selishta v balgarskite zemi v kraуа na 6–9 cen.*, *Balgarska akademіa na naukite*, Sofia, pp. 207–225. / [Иванов, С. 1965, 'Животински кости останки от селището в местността Джеджови лозя', В: Вържарова, Ж. (ред.) *Славянски и славянобългарски селища в българските земи в края на 6-9 в.*, *Българска Академия на Науките*, София, с. 207–225.]
- Ivanov, S. 1959, 'The meat-based food of the inhabitants of the Preslav South gate', *Izvestia na arheologicheskia institut* 22, 1959, pp. 209–221. / [Иванов, С. 1959, 'Храната от животински произход на обитателите на южната порта в Преслав', *Известия на археологическия институт XXII*, 1959, с. 209–221.]
- Ivanov, S. 1976, 'Animal remains from early medieval necropolises from Varna region', *Izvestia na narodnia muzei Varna* 12(27), pp. 159–171. / [Иванов, С. 1976, 'Животински остатъци от ранносредновековни некрополи от Варненско', *Известия на Народния музей Варна* 12 (27), с. 159–171.]
- Karastoyanova, N. 2023, 'Faunal Remains from Site 42, Orlovo', In: Grozdanova, G. (ed.) *The medieval settlement near Orlovo village, Haskovo region (site 42 along the gas transmission pipeline Greece – Bulgaria)*, *Archaeologia Bulgarica Supplements* vol. 6., ISBN 978-619-92330-4-7, pp. 87–92.
- Kovachev, G. & Minkov, Ts. 1979, 'The animal bone remains from the medieval settlement near Kovachevo, Pazarzhik region', *Interdisciplinary studies* 3-4, pp. 83–94. / [Ковачев, Г. & Минков, Ц. 1979, 'Животинският костен материал от средновековното селище край с. Ковачево, Пазаржишки окръг', *Интердисциплинарни изследвания* 3–4, с. 83–94.]
- Ninov, L. 1978, 'The domestic and the wild animals from the Medieval fortified settlement near Huma, Razgrad region', In: Rashev, R. & Stanilov, S. (eds.) *Starobalgarskoto ukrepeno selishte kraі Huma, Razgradsko, Razkopki i prouchvania* 17, pp. 173–189. / [Нинов, Л. 1978, 'Домашните и дивите животни от Средновековното укрепено селище край с. Хума, Разградски Окръг', В: Рашев, Р. & Станилов, С. (ред.), *Старобългарското укрепено селище при с. Хума, Разградско, Разкопки и проучвания*, Книга XVII, с. 173–189.]
- Ninov, L. 1990, 'Some aspects of husbandry practices in the Middle ages', *Interdisciplinary studies* 17, 1990, pp. 96–101. / [Нинов, Л. 1990, 'Някои аспекти на животновъдството през Средновековието', *Интердисциплинарни изследвания XVII*, 1990, с. 95–101.]
- Ninov, L. 1992, 'The food of the inhabitants of the Kardzhali monastery', In: Ovcharov, N. (ed.), *Srednovekovniyat manastir v gr. Kardzhali - tsentar na episkopiyata v Ahridos (11.–14. v.)*, *Razkopki i prouchvania* XXIV, pp. 108–133. / [Нинов, Л. 1992, 'Храната на обитателите на манастира в Кърджали', В: Овчаров, Н. (ред.), *Средновековният манастир в гр. Кърджали - център на епископията в Ахридос (11.–14. в.)*, *Разкопки и проучвания XXIV*, 108–133.]
- Ninov, L. 1998, 'Animal husbandry and hunting practices of the population of the fort' In: Yotov, V. (ed.) *Skala: Krepost ot X–XI vek do s. Kladentsi, Tervelsko, Pensoft, Sofia*, pp. 329–343. / [Нинов, Л. 1998, *Животновъдна и ловна дейност на обитателите на крепостта*, В: Йотов, В. (ред.) *Скала: Крепост от X–XI век до с. Кладенци, Тервелско*, Pensoft, София, с. 329–343.]

- Ninov, L. 2004, 'Osteological research on materials from the palace of Preslav', In: Totev, T. (ed.) Preslav, Sbornik 6, Sofia: Izdatelstvo „Marin Drinov“, pp. 350–359. / [Нинов, Л. 2004, 'Остеологични проучвания на материали от Дворцовия комплекс в Преслав', В: Тотев, Т. (ред.) Преслав, Сборник 6, Издателство „Марин Дринов“, София, с. 350–359.]
- Ninov, L. 2005, 'Animal bones from the necropolis of Odartsi', In: Doncheva-Petkova, L. (ed.) Odartsi, nekropoli ot 11 vek vol. 2, pp. 461–466. [Нинов, Л. 2005, 'Животински кости от некрополите при Одръци', В: Дончева-Петкова, Л. (ред.) Одръци, некрополи от XI век т. 2, 2005, с. 461–466.]
- Ninov, L. 2007, 'Archaeozoological research from Pliska', In: Georgiev, P. (ed.), Izsledvania po balgarska srednovekovna arheologia. Sbornik v chest na prof. Rasho Rashev, 2007, pp. 405–413. / [Нинов, Л. 2007, 'Археозоологически проучвания от Плиска', В: Георгиев, П. (ред.), Изследвания по българска средновековна археология, сборник в чест на проф. Рашо Рашев, 2007, с. 405–413.]
- Ninov, L. 2007, 'The sacrificial animals from the Early Medieval necropolis near Karamanite village', In: Problemi na prabalgarskata istoria i kultura: dokladi ot mezhdunarodna konferentsia po prabalgarska istoria i arheologia 4-2, NAİM-BAS publish., pp. 103–120. / [Нинов, Л. 2007, 'Жертвенные животные из раннесредневекового могильника близ с. Караманите', В: Проблеми на прабългарската история и култура: доклади от международна конференция по прабългарска история и археология 4-2, НАИМ-БАН изд., с. 103–120.]
- Ninov, L. 2008, 'Animal bones from Medieval necropolises and settlements', Archaeological discoveries, and excavations in 2007, 2008, pp. 754–757. / [Нинов, Л. 2008, 'Животински кости от средновековни некрополи и селища', Археологически открития и разкопки през 2007 г., 2008, с. 754–757.]
- Ninov, L. 2009, 'Animal remains from Medieval burials, forts, and settlements', Archaeological discoveries, and excavations in 2008, 2009, ISSN 1313-0889, pp. 757–758. / [Нинов, Л. 2009, 'Животински останки от средновековни погребения, крепости и селища', Археологически открития и разкопки през 2008 г., 2009, ISSN 1313-0889, с. 757–758.]
- Ninov, L. 2011, 'Analysis of the animal remains from the “Oldbulgarian production center” near Novosel', In: Bonev, S. & Doncheva, S. (red.) Starobalgarski proizvodstven tsentar za hudozhestven metal pri s. Novosel, Shumensko, Faber, Veliko Tarnovo, ISBM 978-954-400-414. / [Нинов, Л. 2011, 'Анализ на животинските останки открити в „Старобългарски производствен център“ при Новосел', Бонев, С. & Дончева, С. (ред.) Старобългарски производствен център за художествен метал при с. Новосел, Шуменско, Фабер, Велико Търново, ISBM 978-954-400-414.]
- Ninov, L. 2013, 'Archaeozoological research on Medieval sites', Archaeological discoveries and excavations in 2012, Sofia, 2013, ISSN: 1313-0889, pp. 505–507. / [Нинов, Л. 2013, 'Археозоологични проучвания на средновековни обекти' Археологически открития и разкопки през 2012 г. София, 2013, ISSN: 1313-0889, с. 505–507.]
- Ninov, L. 2014, 'Archeoosteological research on Medieval sites', Archaeological discoveries and excavations in 2013, Sofia, 2014, ISSN: 1313-0889, pp. 586–588. / [Нинов, Л. 2014, 'Археостоологични проучвания на средновековни обекти', Археологически открития и разкопки през 2013 г., София, 2014, ISSN: 1313-0889, с. 586–588.]
- Ninov, L. 2015, 'Medieval necropolises, forts and settlements – archeozoological research', Archaeological discoveries and excavations in 2014, Sofia, 2015, ISSN: 1313-0889, pp. 789–790. / [Нинов, Л. 2015, 'Средновековни некрополи, крепости и селища – археозоологически изследвания', Археологически открития и разкопки през 2014 г. София, 2015, ISSN: 1313-0889, с. 789–790.]
- Popov, R. 1934, 'Animal remains from historical times', Madara vol. 1, 1934, p. 221. / [Попов, Р. 1934, 'Животински останки от историческо време', Мадара том 1, 1934 с. 221.]
- Popov, R. 1936, 'Animal remains', Madara vol. 2, pp. 87–93. / [Попов, Р. 1936, 'Останки от животни', Мадара т. 2, с. 87–93.]
- Ribarov, 1997, 'Domestic and wild animals from

- the medieval village near Gledachevo, *Maritza-Iztok arheologicheski prouchvania* vol. 4, pp. 185–188. / [Рибаров, Г. 1997, 'Домашните и диви животни от средновековното селище при Гледачево, Марица – Изток археологически проучвания т. 4, с.185–188.]
- Ribarov, G. 1990, 'The mammals in the everyday life of the inhabitants of the Early byzantine and Medieval settlement Hisarlaka (Sliven)', *Arheologia* 4, 1990, pp. 50–58. / [Рибаров, Г. 1990, 'Бозайниците в бита на жителите от ранновизантийското и Средновековното селище Хисарлъка (Сливен)', *Археология* 4, 1990, с. 50–58.]
- Ribarov, G. 2020, 'The wild and domestic animals according to the materials from the archaeological excavations of the medieval town of Trapezitsa (Northern sector) in the period 2007-2018', *Vladetel, Darzhava i Tsarkva na Balkanite prez Srednovekovieto* vol 1, part 2, *Veliko Tarnovo*, pp. 517–542. / [Рибаров, Г. 2020, 'Дивите и домашни животни според материалите от археологическите разкопки на средновековния град Трапезица (Северен сектор), Велико Търново в периода 2007 – 2018', *Владетел, Държава и Църква на Балканите през Средновековието* том I, част 2, В.Търново, с. 517–542.]
- Ribarov, G. 2021, 'The domestic and wild animals from the medieval fortress Rusokastro, Burgas region, *Ivezstia na Burgaskia muzei* vol. 7, 2021, Burgas, pp. 290–311. / [Рибаров, Г. 2021, 'Домашните и диви животни от средновековната крепост Русокастро, Бургаска област', *Известия на Бургаския музей* т. VII, 2021, Бургас, с. 290–311.]
- Spasov, N. & Iliev, N. 2001, 'On medieval dog breeds from (9–10 cen.), *Godishnik na departament Arheologia*, том IV–V, *Nov balgarski universitet*, Sofia, pp. 319–330. / [Спасов, Н. & Илиев, Н. 2001, 'Върху средновековните породи кучета от Велики Преслав (IX–X век)', *Годишник на департамент Археология*, том IV–V, *Нов български университет*, София, с. 319–330.]
- Spasov, N. & Iliev, N. 1986, 'Bone remains of bison (*Bison bonasus* L.) in the medieval settlement near Garvan village, Silistra District (new investigations)', In: *Vazharova, Z. (ed.), The Medieval Settlement Near Garvan Village, Silistra District, 6th–11th c. A.D.* Bulgarian Academy of Sciences Academic Press, Sofia, p. 68. / [Спасов Н., Илиев, Н. 1986, 'Костни останки от зубър (*Bison bonasus* L.) в средновековното селище Гарван (Силистренско, България)', В: Ж. Въжарова (ред.) *Средновековното селище Гарван (VI–XI в.)*, Българска Академия на Науките, София, с. 68.]
- Stanchev, S. & Ivanov, S. 1958, 'Nekropolat do Novi Pazar', *Balgarska akademia na naukite*, Sofia, pp. 163–227. / [Станчев, С. & Иванов, С. 1958, 'Некрополът до Нови Пазар', Българска Академия на Науките, София, с. 163–227.]
- Vasilev, V. 1989, 'Animal husbandry and hunting in the life of the population from the medieval settlement Durankulak', *Durankulak* vol. 1, *Balgarska akademia na naukite*, Sofia, pp. 225–245. / [Василев, В. 1989, 'Животновъдство и лов в живота на населението от средновековното селище Дуранкулак', *Дуранкулак* том. 1, Българска Академия на Науките, София, с. 225–245.]

Specialized articles

(multi epoch, single animal species, aDNA, and methodology).

- Atanasov, K., Vasilev, V. & Tsonev, P. 1980, 'Some correlations between the metapodia of prehistoric cattle from Bulgaria', *Nauchni trudove na vish intitut po zootehnika i veterinarska meditsina* vol. 27, 1980, pp. 155–163. / [Атанасов К., Василев В. & Цонев П. 1980, 'Някои корелационни зависимости между размерите на метаподите на праисторическите говеда у нас', *Научни трудове на Висш институт по Зоотехника и Ветеринарна Медицина* т. 27, 1980, с. 155–163.]
- Atsenova, N., Palova, N., Mehandjyiski, I., Neov, B., Radoslavov, G., & Hristov, P. 2022, 'The sequence analysis of mitochondrial dna revealed some major centers of horse domestications: the archaeologist's cut', *Journal of Equine Veterinary Science* 109, 2022, doi: 10.1016/j.jevs.2021.103830.
- Boev, Z. 2023, 'Quaternary vertebrate fauna of Bulgaria—composition, chronology and im-

- poverishment', *Geologica Balcanica* 52 (1), 2023, pp. 21–48.
- Boev, N. & Boev, Z. 2018, 'The aurochs (*Bos primigenius bojanos*, 1827) in the environment and culture of Bulgaria', *Zoonotes Supplement* 5, Plovdiv university 'Paisiy Hilendarski' publishing. / [Боев, Н. & Боев, З. 2018, 'Турът (*Bos primigenius bojanos*, 1827) в природата и културата в България', *Zoonotes Supplement* 5, Пловдив: университетско издателство „Паисий Хилендарски“.]
- Boev, Z. & Nikolay, S. 2020, 'Past distribution of Castor fiber in Bulgaria: fossil, subfossil and historical records (Rodentia: Castoridae)', *Lynx* 50, 2020, pp. 37–49.
- Boev, Z. 1996, 'Raptors and Owls (Aves: Falconiformes et Strigiformes) in the Archaeological Record of Bulgaria', *Historia naturalis bulgarica* 6, pp. 83–92.
- Boev, Z. 1997, 'Wild Galliform and Gruiform Birds (Aves, Galliformes and Gruiformes) in the Archaeological Record of Bulgaria', *International Journal of Osteoarchaeology* 7 (4), 1997, pp. 430–439. [https://doi.org/10.1002/\(SICI\)1099-1212\(199707/08\)7:430.CO;2-5](https://doi.org/10.1002/(SICI)1099-1212(199707/08)7:430.CO;2-5).
- Boev, Z. 2014, 'Late Holocene distribution of the European Shag (*Phalacrocorax aristotelis* (Linnaeus, 1761) in Bulgaria', *ZooNotes* 54, 2014, pp. 1–3.
- Boev, Z. 2017, 'Fossil and Subfossil Record of Species of the Genus *Lynx* Kerr, 1792 (Mammalia: Felidae) in Bulgaria', *Acta zoologica bulgarica* 69 (3), 2017, pp. 303–306.
- Boev, Z. 2018, 'Past distribution of *Monachus monachus* in Bulgaria – subfossil and historical records (Carnivora: Phocidae)', *Lynx* 49 (1), pp. 163–176. <https://doi.org/10.2478/lynx-2018-0013>.
- Boev, Z. 2019, 'Camels in Bulgaria', *Priroda* 126, 2019, pp. 98–1033. / [Боев, З. 2019, 'Камилите в България', *Природа* 126, с. 98–103.]
- Boev, Z. 2020, 'Past distribution of *Camelus bactrianus* and *Camelus dromedarius* in Bulgaria: subfossil record (Artiodactyla: Camelidae)', *Lynx, series nova* 50, 2020, pp. 29–36.
- Boev, Z. 2020, 'Past distribution of *Ursus arctos* in Bulgaria: fossil and subfossil records (Carnivora: Ursidae)', *Lynx* 51, 2020, pp. 5–18. <https://doi.org/10.37520/lynx.2020.001>.
- Boev, Z. 2021, 'Last aurochs (*Bos primigenius* Bojanus, 1827) have survived in Bulgaria', *Lynx* 52, 2021, pp. 139–142. <https://doi.org/10.37520/lynx.2021.010>.
- Boev, Z. 2022, 'Past Distribution of the Red Deer (*Cervus elaphus* Linnaeus, 1758) (Cervidae, Mammalia) in Bulgaria', *Bulletin of the Natural History Museum – Plovdiv* 7, 2022, pp. 27–48.
- Boev, Z. 2023, 'Holocene Distribution of Common Crane *Grus grus* (Linnaeus, 1758) (Gruidae) in Bulgaria', *Acta Zoologica Bulgarica* 75, 2023, pp. 439–443.
- 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, 2018, pp. 3–10.
- Hristov, P., Sirakova, D., Mitkov, I., Spassov, N., & Radoslavov, G. 2018, 'Balkan brachicerous cattle—the first domesticated cattle in Europe', *Mitochondrial DNA Part A* 29(1), 2018, pp. 56–61. doi: 29. 56-61. [10.1080/24701394.2016.1238901](https://doi.org/10.1080/24701394.2016.1238901).
- Ishirkov, A. 1921, 'Water buffalo in Bulgaria. Biogeographical notes', *Estestvoznание i geografija* 9–10, pp. 232–349. / [Иширков, А. 1921, 'Биволът в България: биогеографични бележки', *Естествознание и география* 9-10, 1921, с. 232-349.]
- Karastoyanova, N., Gorczyk, J. & Spassov, N. 2020, 'The natural history of the fallow deer, *Dama dama* (Linnaeus, 1758) in Bulgaria in prehistory and new evidence for the existence of an autochthonous Holocene population in the Balkans', *International Journal of Osteoarchaeology* 30(5), 2020, pp. 616–628.
- Neov, B., Spassov, N., Hristova, L., Hristov, P., Radoslavov, G. 2021. 'New data on the evolutionary history of the European bison (*Bison bonasus*) based on subfossil remains from Southeastern Europe', *Ecology and Evolution* 11 (6), 2021, pp. 2842–2848. <https://doi.org/10.1002/ece3.7241>.
- Ninov, L. 1981, 'Comparative skeletal anatomy of the domestic and wild swine in postnal onto-

- genesis', PhD dissertation, Moscow veterinary academy SSSR, Supervisor: Irina Hrustaleva. / [Нинов, 1981, 'Сравнительная морфология скелета домашних и диких свиней в постнатальном онтогенезе', дисертация, Московска ветеринарна акад., СССР, Научен ръководител: Ирина Хрусталева.]
- Ninov, L. 1986, 'Aims and objectives of researching animal bones from archaeological sites', *Interdisciplinary studies* 14, 1986, Sofia, pp. 259–266. / [Нинов, Л. 1986, 'Цели и основни задачи при изучаване на животинските кости от археологически обекти', *Интердисциплинарни изследвания* 14, 1986, София, с.259–266.]
- Ninov, L. 1989, 'Lion remains from the Bulgarian lands', *Arheologia* 2, 1989, pp. 55–61. / [Нинов, Л. 1989, 'Останки от лъв по българските земи', *Археология* 2, 1989, с. 55–61.]
- Ninov, L. 1998, 'Did lions inhabit our lands?', *Otechestvo* 13/297, 1988, p. 73. / [Нинов, Л. 1988, 'Живели ли са лъвовете по нашите земи?', *Отечество* 13/297, 1988, с. 73.]
- Ninov, L. 2013, 'Archaeozoological Research of Materials From of measurements to distinguish wild from domestic pig remains', *ArchaeoZoologia*, 2, 2013, pp. 27–65.
- Petrov, A. 1972, 'The camel', *Priroda* 3, 1972, pp. 46–50. / [Петров, А. 1972, 'Камилата', *Природа* 3, 1972, с. 46–50.]
- Petrov, A. 1986, 'The early history and evolution of domestic animals', Sofia. / [Петров, А. 1986, 'Ранна история и еволюция на домашните животни, София.]
- Popov, R. 1924, 'Remains of beaver in Bulgaria', *Estvoznanie i geografiya* 4–5, pp. 144–146. / [Попов, Р. 1924, 'Останки от бобър в България', *Естествознание и география* 4–5, 1924, с. 144–146.]
- Popov, V. 1997, 'Archaeozoology and archaeo-anthropology: approaches, methods and results', *Chovekat zad nahodkite – arheologiatata dnes I utre*, Sofia, pp. 111–155. / [Попов, В. 1997, 'Археозоология и археоантропология: подходи, методи, резултати', *Човекът зад находките – археологията днес и утре*, София, с. 111–155.]
- Ribarov, G. & Ribarova, B. 2015, 'The place of the horse in the daily life of the people from different historical epochs', *Maritsa-Iztok Arheologicheski prouchvania* vol. 7, pp. 258–262. / [Рибаров Г. & Б. Рибарова. 2015, 'Мястото на коня в бита на хората от различните исторически епохи', *Марица-Изток Археологически Прочувания* т. 7, с. 258–262.]
- Ribarov, G. & Ribarova-Hordulova, B. 2021, 'Archaeozoological data on fishing and sailing along the larger rivers in Eastern Bulgaria and the Black sea during different epochs', *Izvestia na Burgaskia muzei* vol. 7, 2021, pp. 290–311. / [Рибаров Г. & Рибарова-Ходулова, Б. 2021, 'Археозоологични данни за извършване на риболов и плаване по големите реки в Източна България и Черно море през различните епохи', *Известия на Бургаския музей* т. VII, 2021, с. 290–311.]
- Ribarov, G. 1983, 'Fallow deer in our lands', *Priroda* 2. / [Рибаров, Г. 1983, 'Еленът лопатар по нашите земи', *Природа* 2.]
- Ribarov, G. 1990, 'Research on the molluscs from archaeological sites in Southeastern Bulgaria', vol. 17, 1990, pp. 66–82. / [Рибаров, Г. 1990, 'Проучване на останките от мекотели от археологични обекти в Югоизточна България', *Известия на музеите от Югоизточна България* т. XVII, 1990, с. 66–82.]
- Ribarov, G. 1993, 'The camels in Southeast Europe during Antiquity and the Middle Ages', *Ivezstia na muzeite ot Ugoiztochna Bulgaria* vol. 16, pp. 401–409. / [Рибаров, Г. 1993, 'Камилите в Югоизточна Европа през античността и средновековието', *Известия на музеите от Югоизточна България* т. XVI, 1993, с. 401–409.]
- Ribarov, G. 2021, 'The wild fauna of Southeast Bulgaria during the ancient and Middle Ages according to archaeozoology materials', *Maritsa-Iztok Arheologicheski prouchvania* vol. 8, pp. 276–279.
- Spassov, N. & Bozkov, D. 1983, 'Rapport sur le lion de caverne et le lion de l'antiquite aux Balkans et en Bulgarie', In: Dinev, L. & Boev Z. (eds.), *Proceedings of the European Regional Conference on Speleology*, Sofia, pp. 228–233.
- Spassov, N. & Iliev, N. 1997, 'The wild horses of Eastern Europe and the polyphyletic origin

- of the domestic horse', *Anthropozoologica* 25–26, 1997, pp. 753–761.
- Spassov, N. & Iliev, N. 2017, 'The late Pleistocene and Holocene horses of East Europe and the polyphylethic origin of the domestic horse', In: (M. Stefanovich, H. Todorova, H. Hauptmann, eds.), *James H. Gaul in memoriam, The James Harvey Gaul Foundation, Sofia*, pp. 371–390.
- Spassov, N. 1982, 'Evolution and distribution of the European polecat and the Steppe polecats', *Природа* 6, 32–39. / [Спасов, Н. 1982, 'Еволюция и разпространение на черния и степния пор', *Природа* 6, 1982, с. 32–39.]
- Spassov, N. 1992, 'Skeletal morphology, ecology and competition of the Aurochs and European bison in the Holocene of Europe', In: Spitz, F. (ed.), *Proceedings of the Symposium "Ungulates 91"*, Toulouse, pp. 57–61.
- Spassov, N. 2010, 'The Southwesternmost distribution of the Saiga in the Holocene of Europe: a Saiga tatarica find from an archaeological site in Bulgaria', In: Gatsov, I. & Guadelli, J.-L. (eds.), *Saxa Loquuntur. Volume in Honour of the 65th Anniversary of Nikolay Sirakov*, Avalon, Sofia 2010, pp. 317–322.
- Spassov, N. 2016, 'On the origin of Wisent, again', *Historia naturalis bulgarica* 23, 2016, pp. 207–209.