

СПИСЪК НА НАУЧНИТЕ ТРУДОВЕ

на доц. д-р Михаела Недялкова

Научни трудове по придобиване на ОНС „Доктор“

I. Автореферат и публикации, свързани с дисертационния труд

1. **Недялкова, М.** 2005. Динамика в състава на храната и енергетични нужди на домашните мишки *Mus spicilegus* (Petenyi, 1882) и *Mus m. musculus* (Linnaeus, 1758) в условия на синтопия. **Автореферат.** Институт по зоология, София, 44с.
2. **Белчева, М.,** Св. Герасимов. 1993. Храната на дивата форма на домашната мишка (*Mus spicilegus*) в люцернова площ. Метроагроеко'93. 200-203.
3. **Белчева, М.,** Мечева, Р., Герасимов, С. 1994. Съдържание на биогенни елементи и техния баланс в организма на домашната мишка *Mus spicilegus* (Petenyi). Екология'94, 3, 40-42.
4. Атанасов, Н., Р. Мечева, **М. Белчева,** Д. Симеоновска, Св. Герасимов. 1993. Популационна динамика на структурата и плътността на доминантни видове дребни гризачи в люцернови площи от Северна България. Метроагроеко'93. 204-208.
5. **Белчева, М.,** Мечева, Р., Герасимов, С. 1994. Усвояване и асимилация на храната на *Mus spicilegus Petenyi* (Rodentia, Mammalia). Екология'94, 42-44.
6. **Beltcheva, M.,** Metcheva, R. 1996. Methods for estimation the food eaten, the place and functional role of small mammals in ecosystems. "National Parks and their role in biodiversity protection on Balcan Peninsula.", Ohrid, 143-146.
7. **Beltcheva, M.,** Metcheva, R. 1999. Comparison of the biogen contents and balance in the bodies of the house mice *Mus spicilegus* (Petenyi, 1882) and *Mus musculus musculus* (Linnaeus, 1758). Contribution to the zoogeography of the eastern Mediterranean region. v. 1, 51-58

Научни трудове по придобиване на академична длъжност „доцент“

II. Публикации с IF

1. Metcheva, R., **Beltcheva, M.,** Chassovnikarova, T. 2008. The snow vole (*Chionomys nivalis*) as an appropriate environmental bioindicator in alpine ecosystems. Science of the total environment, 391, 2-3, Elsevier, DOI:10.1016/j.scitotenv.2007.10.007, 278-283. ISI **IF: 2.58**
2. **Beltcheva, M.,** Metcheva, R., Peneva, V., Marinova, M., Yankov, Y., Chikova, V. 2011. Heavy metals in Antarctic notothenioid fish from South Bay, Livingston Island, South Shetlands (Antarctica). Biological Trace Element Research, 141, 150-158. SJR: 0.419, ISI **IF: 1.923**
3. Heredia-Rojas J. A., R. Gomez-Flores, A. O. Rodríguez-de la Fuente, E. Monreal-Cuevas, A. C. Torres-Flores, L. E. Rodríguez-Flores, **M. Beltcheva,** A. C. Torres-Pantoja. 2012. Antimicrobial effect of amphotericin B electronically-activated water against *Candida albicans*. African Journal of Microbiology Research, 15, 6, ISSN: 1996-0808,

DOI:10.5897/AJMR12.171, 3684-3689. ISI IF: **0.533**

4. Topashka-Ancheva, M., **Beltcheva, M.**, Metcheva, R., Rojas, J., Rodriguez-De La Fuente, A., Gerasimova, Ts., Rodríguez-Flores, L., Teodorova, S. 2012. Modified natural clinoptilolite detoxifies small mammal's organism loaded with lead II: Genetic, cell, and physiological effects. *Biological Trace Element Research*, 147, 1-3, Springer, ISSN: 0163-4984, DOI: 10.1007/s12011-011-9289-1, 206-216. ISI IF: **1.748**
5. **Beltcheva, M.**, Metcheva, R., Popov, N., Teodorova, S., Heredia-Rojas, J., Rodríguez-De La Fuente, A., Rodríguez-Flores, L., Topashka-Ancheva, M. 2012. Modified natural clinoptilolite detoxifies small mammal's organism loaded with lead I. Lead disposition and kinetic model for lead bioaccumulation. *Biological Trace Element Research*, 147, 1-3, Springer, ISSN: 0163-4984 (Print), 180-188. ISI IF: **1.748**
6. Metcheva, R., **Beltcheva, M.** 2012. Bioenergetic Characteristics of Genus *Mus* (Mammalia: Rodentia) from South Europe. *Acta Zoologica Bulgarica*, 64, 125-131. ISI IF: **0.533**
7. Metcheva, R., **Beltcheva, M.**, Kalinova, G., Marinova, M., Heredia Rojas, J. A., Peneva, V. 2016. Organochloride pesticides in feathers of Pygoscelidae penguins from Livingston and Peterman islands, Western Antarctica. *Acta Zool. Bulg.*, приета за печат. IF: **0.31**
8. Pandourski, I., Metcheva, R., **Beltcheva, M.**, Yankov, Y. 2016. Bat fauna (Mammalia: Chiroptera) from Sakar Mountain (South-Eastern Bulgaria).. *Acta Zool. Bulg.*, приета за печат. ISSN: 0324-0770, ISI IF: **0.31**
9. Heredia-Rojas, JA., **Beltcheva, M.**, Heredia- Rodríguez, O., Rodríguez-de la Fuente, AO., Metcheva, R., Rodríguez-Flores, LE., Santoyo-Stephano, MA., Castanieda-Garza, E. 2016. Evidence of geno-toxicity induced by 60 Hz magnetic fields on mice bone marrow as assessed by in vivo micronucleus test. *Acta Zool. Bulg. Suppl. Acta Zool. Bulg.*, приета за печат. ISI IF: **0.31**
10. **Beltcheva M.**, Metcheva, R. 2017. Ecophysiology of steppe mouse subspecies *Mus spicilegius spicilegius*, peteni, 1883 (rodentia, mammalia) at the south boundary of its distribution. *Russian Journal of Ecology*. приета за печат. ISSN: 1067-4136. ISI IF: **0.456**

III. Публикации в научни книги

1. Metcheva, R., **Beltcheva, M.**, *Bulgarian Antarctic Research a Synthesis*. 14. Comparative and Monitoring Research in Antarctic Vertebrate Fauna from Livingston Island. "St. Kliment Ohridski University" Press, Sofia, 2015, ISBN: 978-954-07-3939-7, 334, 253-264

IV. Публикации в международни списания без IF

1. **Beltcheva, M.** 1999. Comparison between the stomach contents of four species of Muridae (Rodentia, Mammalia) from the alpine ecosystems. Contribution to the zoogeography of the eastern Mediterranean region. v. 1, 45-50.
2. Metcheva, R., Yurukova, L., Bezrukov, V., **Beltcheva, M.**, Yankov, Y. 2010. Trace and Toxic Elements Accumulation in Food Chain Representatives at Livingston Island (Antarctica). *International Journal of Biology*, 2.1, 155-161
3. Simeonovska-Nikolova, D., **Beltcheva, M.**, Larion, A., Nisteanu, V., Metcheva, R. 2014. Variations in the mound size of mound-building mouse, *Mus spicilegius* between Bulgaria and Moldova. *Bulgarian Journal of Agricultural Science*, 20, ISSN: 13100351, 125-128.

SJR: 0.197

4. **Beltcheva, M.**, Metcheva, R., Topashka-Ancheva, M., Popov, N., Teodorova, S., Heredia-Rojas, JA. Rodríguez-de la Fuente, AO, Rodríguez-Flores, LE. 2015. Zeolites versus lead toxicity. Journal of Bioequivalence and Bioavailability, 7, 1, OMICS International Journals, ISSN: 0975-0851, DOI:10.4172/jbb.1000209, 12-29. **SJR: 0.147**
5. Teodorova, S.E., Topashka-Ancheva, M., Gerasimova, Tz., **Beltcheva, M.**, Metcheva, R., Popov, N. 2016. Mathematical model of the mitotic index during chronic lead bioaccumulation in small mammals protected and non-protected by natural clinoptilolite. Research Journal of Chemistry and Environment, 20, 9 (1294), SCImago Journal, ISSN: 0972-0626, 1-9. **SJR: 0.151**

V. Публикации в Български списания и в Научни поредици и сборници

1. Metcheva, R., **Beltcheva, M.**, Gerasimov, S. 1994. Some parameters of physical thermopreferendum and daily activity rhythm in the house mouse (*Mus spretus* Lataste, 1883). *Ekologia*, 25, 40-47.
2. Metcheva, R., Topashka-Ancheva, M., **Beltcheva, M.**, Artinian, A., Nikolova, E. 1996. Population and biological characteristics of different monitor species small mammals from the region of Beli Iskar artificial dam in National park Rila. *Obsevatoire de Moussla OM2*. 4, 168 -176.
3. Iovtchev, M., Metcheva, R., Atanassov, N., M. Apostolova, Bogoeva L., Zivkov, M., Raikova-Petrova, G., **Beltcheva, M.**, Kashukeeva, K. 1996. Investgation of Total Beta-activity of Indicator Vertebrate Species from National Park Rila. *Obsevatoire de Moussla OM2*. 4, 38 - 44.
4. Metcheva, R., A. Artinian, E. Nikolova, **M. Belcheva**, R. Laleva. 1997. Estimation of environmental quality using monitor species small mammals from two regions with different antropogenic influence in Bulgaria. A. Bioaccumulation of toxic elements and their influence on some hystological and hematological indices. *Ecomonitoring in Rozhen and Srednogorie - Bulgaria*. BSBCP, 113-119.
5. **Belcheva, M.**, R. Metcheva. 1997. Estimation of environmental quality using monitor species small mammals from two regions with different antropogenic influence in Bulgaria. B. Population characteristics and food preferences in the monitor species. *Ecomonitoring in Rozhen and Srednogorie - Bulgaria*. BSBCP. 120-123.
6. Metcheva, R, E. Nikolova, **M. Belcheva**, A. Artinian. 1997. Bioaccumulation and distribution of toxic elements from Alinitza, Rila National Park. *Observatoire de Moussla OM2*, 6, 124-128.
7. Iovtchev, M., Metcheva R., **Beltcheva, M.**, M. Apostolova, Bogoeva L., Zivkov, M., Raikova-Petrova, G, Atanassov, N., Kashukeeva, K. 1997. Total Beta-activity of small ammmals, amphibians, fish and plants from Rila Mountains. *Observatoire de Moussla OM2.6*, 129-132.
8. **Belcheva, M.**, R. Metcheva, A. Artinian, E. Nikolova.1998. Asassessment of toxic elements in the snow vole (*Chionomys nivalis*) and its food from Rila Mountain. *Observatoire de Moussla OM2*, 7, 276-280
9. Metcheva, R., J. Štetić, **M. Beltcheva**.1998. Preliminary investigation concerning small mammals fauna in Šar-Planina Mt. *Observatoire de Moussla OM2*, 7, 267-270

10. **Beltcheva M.**, R. Metcheva. 2001. Population of Hillock Mouse *Mus spicilegus* in two Agroecosystems of Bulgaria. Journal of Balkan Ecology, vol. 4 (2); 177-180
11. Мечева, Р., М. Топашка-Анчева, **М. Белчева**, Цв. Йорданова. 2004. Биоиндикаторни възможности на дребни бозайници в зоологичния мониторинг. Лесовъдска мисъл.1, v.10 (29):135 – 143.
12. **Beltcheva, M.**, Metcheva, R., P.Grozdanova. 2005. Diet and Some Population Parameters of the Common Vole (*Microtus arvalis*. Pall., Rodentia, Mammalia) From Grassland in Bulgaria. Journal of Balkan Ecology, vol. 2, p. 181-188.
13. Dimitrov, K., **M. Beltcheva**, R. Metcheva, V. Bezrukov. 2006. Bill coloration of Gentoo. Part II: Easy to Study Causes. Bulg. Antarctic Research, v.5p 45-50

VI. Научни доклади публикувани в пълен размер у нас

1. Metcheva R., **M. Beltcheva**. 2004. Pigoscelidae penguins as monitors of environmental changes of Antarctic ecosystem. Нац. Конф. по екология Нац. Конф. По екология “Биоразнообразие, екосистеми, глобални промени”, 393-396
2. Ostoich, P., **Beltcheva, M.**, Metcheva, R. 2016. Methods, Applicable to the Ecotoxicological Biomonitoring of Terrestrial Vertebrates: A Review, Seminar of Ecology - 2016 with international participation Proceedings” 23-24 April Sofia, приета за печат.

VII. Научни доклади публикувани в пълен размер в чужбина

1. Metcheva, R., **Beltcheva, M.** 1996. National Parks like background stations for biomonitoring. “National Parks and their role in biodiversity protection on Balkan Peninsula.”, Ohrid, 139-141.
2. **Beltcheva, M.**, Metcheva, R., Heredia-Rojas, J. A., Rodrigues de la Fuente, A. O., Rodrigues Flores, L., N. Popov. 2014. Desarrollo de alimentos adicionados con zeolitaz para detoxificacion de metals pasados. Revista Conosimiento UANL, 130, 44-48.

VIII. Учебници

1. Любенова, М., Белчева, М, 2005. Измерване на вторичната продукция. В: Любенова, М. Кратък курс по функционална биоценология. София, изд-во Контакт-Маркетинг, с. 331-344.

СПИСЪК НА ПУБЛИКАЦИИ
на доц. д-р Михаела Недялкова
За участие в конкурс за заемане на академична длъжност „професор“

В4 - Хабилитационен труд – научни публикации в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация

1. **Beltcheva, M.**; Tzvetanova, Y.; Ostoich, P.; Aleksieva, I.; Chassovnikarova, T.; Tsvetanova, L.; Rusew, R. Oral Supplementation with Modified Natural Clinoptilolite Protects Against Cadmium Toxicity in ICR (CD-1) Mice. *Toxics* 2025, 13, 350. **IF: 4.1** <https://www.mdpi.com/2305-6304/13/5/350> **Q1**
2. Heredia-Rojas J. A., Rodríguez-De la Fuente, A. O., Gomez-Flores, R., Heredia-Rodríguez, O., Rodríguez-Flores, L. E., **Beltcheva, M.**, Castañeda-Garza, E. 2018. In Vivo Cytotoxicity Induced by 60 Hz Electromagnetic Fields under a High-Voltage Substation Environment. *Sustainability*, 10, 8, SJR: 0.55, **IF: 2.592** <https://www.mdpi.com/2071-1050/10/8/2789> **Q2**
3. **Beltcheva, M.**, Metcheva, R., Topashka-Antcheva, M., Ostoich, P., Aleksieva, I., Heredia-Rojas, J. A., Tiutunjiev, N., Angelov, Ch. 2020. Natural and Induced UV Radiation Effects on Haematological and Genetic Characteristics of Albino Mice. *Acta Zoologica Bulgarica*, Supplement 15, **IF: 0.278** <https://acta-zoologica-bulgarica.eu/supplement-15-2020/> **Q3**
4. Metcheva, R., **Beltcheva, M.**, Aleksieva, I., Heredia-Rojas, J. A., Ostoich, P. 2020. Species Composition and Population Structure of Rodent Communities in Different Habitats in the Lozenska Mountain, Bulgaria. *Acta Zoologica Bulgarica*, Supplement 15, 205-209. **IF: 0.278** <https://acta-zoologica-bulgarica.eu/supplement-15-2020/> **Q3**
5. Aleksieva I., **Beltcheva M.**, Ostoich P., Chassovnikarova T., Peeva N., Heredia-Rojas J. A., Rodríguez-De la Fuente A.O. 2025. Effects of Zeolite Administration on Kinetics of White Blood Cell in ICR Laboratory Albino Mice after Sub-Chronic Cadmium and Lead Administration. *Acta Zoologica Bulgarica*, 77, 1, 121-130. **IF: 0.5** <https://acta-zoologica-bulgarica.eu/march-2025/> **Q3**
6. **Beltcheva, M.**, Tzvetanova, Y., Todorova, T., Aleksieva, I., Gerasimova, Ts., Chassovnikarova, T. 2024. Does Natural Clinoptilolite Induce Toxicity in Small Mammals? *Acta Zoologica Bulgarica*, 76, 2, 289-297. **IF: 0.5** <https://acta-zoologica-bulgarica.eu/june-2024/> **Q3**
7. **Beltcheva, M.**, Ostoich, P., Aleksieva, I., Heredia-Rojas, J. A., Dimitrova, B. 2024. Small rodents are appropriate bioindicators for total β -activity monitoring in alpine ecosystems. *Acta Zoologica Bulgarica*, suppl. 20, 167-172. **IF: 0.5** <https://acta-zoologica-bulgarica.eu/supplement-20-2024/> **Q3**
8. Todorova, T., Alexieva, I., Ostoich, P., Dimitrova, M., Boyadzhiev, K., Lyubomirova, L., & Beltcheva, M. (2023). Different Lead-and Cadmium-Induced Oxidative Stress Profiles in the Liver and Kidneys of Subchronically-Exposed Mice. *Acta Zool. Bulg.*, 75, 343-349. **IF: 0.4** <https://acta-zoologica-bulgarica.eu/002667-2> **Q4**
9. **Beltcheva, M.**, Metcheva, R., Geleva, E., Aleksieva, I., Ostoich, P., Ravnachka, I., Angelov, H. 2019. Total β - activity in monitor species small rodents from two different altitudes in Rila Mountain (Bulgaria). *AIP Conference Proceedings*, 2075, AIP Publishing,

SJR: 0.18 <https://pubs.aip.org/aip/acp/article-abstract/2075/1/130004/819693/Total-B-activity-in-monitor-small-rodents-species> **SJR**

Г7. Научни публикации в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация (Web of Science и Scopus), извън хабилитационния труд

10. Dundarova, H, Chassovnikarova, T, Todorova, N, **Beltcheva, M**, Aleksieva, I, Luong, NT, Thong, VD. Lyssavirus Antibody Detection in Cave-Dwelling Bats on Cat Ba Island, Vietnam: Implications for Zoonotic Surveillance. Veterinary Sciences. 2025; 12(7):654. **IF: 2.3** <https://doi.org/10.3390/vetsci12070654> **Q1**

11. Metcheva, R., **Beltcheva, M.**, Naumov, B., Yankov, Y., Michev, T., Mitov, P., Kenderov, L. 2018. Actual data on the terrestrial fauna of the Danube Island Tsibar (Ibisha). Comptes rendus de l'Académie bulgare des Sciences, 71(1): 53-60, SJR: 0.206, **IF:0.233** http://www.proceedings.bas.bg/index_old.html **Q2**

12. Heredia-Rojas, J.A., Rodríguez-De la Fuente, A.O., Gomez-Flores, R., Alvarez-Rodríguez, M., Molina-Garza, Z.J., **Beltcheva, M.**, Heredia-Rodríguez, O., Galaviz- Silva, L. In vitro Trypanosoma cruzi growth inhibition by extremely low-frequency electromagnetic fields. 2019. Acta Protozoologica, vol 58, 2, 89-92. SJR:0.383, **IF:1.491** <https://ejournals.eu/en/journal/acta-protozoologica/article/in-vitro-trypanosoma-cruzi-growth-inhibition-by-extremely-low-frequency-electromagnetic-fields> **Q2**

13. De la Fuente, A. R., Heredia-Rojas, J. A., Gomez-Flores, R., **Beltcheva, M.**, Carlos-Ramos, D. A., Noguera-Díaz López, P. A., Heredia-Rodríguez, O. 2024. Wheat stalk growth promotion by a highly diluted fertilizer. Bulgarian Journal of Agricultural Science, 30, 59-62. SJR:0.2, **IF:0.5** https://openurl.ebsco.com/EPDB%3Aged%3A4%3A26511956/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Aged%3A181879476&crl=c&link_origin=scholar.google.bg **Q3**

14. Ilieva, Y., Zaharieva, M. M., Dimitrova, L., Kaleva, M. D., Jordanova, J., Dimitrova, M., **Beltcheva, M.**, Aleksieva, I., Georgiev, Y., Manasiev, Y., Najdenski, H. 2023. Preliminary Data on Escherichia coli, Yersinia enterocolitica, and Other Bacteria, as well as Absent African Swine Fever Virus in the Gut Microbiota of Wild Mice and Voles from Bulgaria. Microbiology Research, 14, 4, SJR:1.3, **IF:1.5** <https://www.mdpi.com/2036-7481/14/4/123> **Q3**

15. Heredia-Rojas, J.A., **Beltcheva, M.**, Rodríguez-De la Fuente, A. O., Gomez-Flores, R., Metcheva, R., Cantú-Martínez, P. C., Heredia-Rodríguez, O. 2020. Evidence of Radioprotective Effect of Resveratrol against Clastogenic Effect of Extremely Low-Frequency Electromagnetic Fields. Acta Zoologica Bulgarica, Supplement 15, 49-54. **IF:0.278** <https://acta-zoologica-bulgarica.eu/supplement-15-2020/> **Q3**

16. Rodrigues de la Fuente, A. O., Gomez-Flores, R., Heredia-Rojas, J. A., Garsia-Munos, E. M., Vargas-Villarreal, J., Hernandez-Garsia, M. E., Gonzales-Salazar, F., Garza-Gonzales, J. N., **Beltcheva, M.**, Heredia-Rodríguez, O. 2019. Trichomonas vaginalis and Giardia lamblia Growth Alterations by Low-Frequency Electromagnetic Fields. Iran J Parasitol, 14, 4, 652-656. SJR:0.44, **IF:0.735** <https://pmc.ncbi.nlm.nih.gov/articles/PMC7028241/> **Q3**

17. Heredia-Rojas J. A., **M. Beltcheva**, R. Metcheva, R. Gomez-Flores, A. O. Rodríguez De La Fuente, O. Heredia-Rodríguez, L. E. Rodríguez-Flores, E. Castañeda-Garza. Evidence of in vivo genotoxicity induced by extremely-low frequency electromagnetic fields compared

with ionizing radiation and a chemical mutagen. JEPE, vol 19, no. 3, 1261–1269, 2018, SJR:0.25, IF:0.774 <https://scibulcom.net/en/article/FdQW8yX74ukVoqrmYKvD> **Q3**

18. De la Fuente, A. R., Heredia - Rojas, J. A., Gomez-Flores, R., **Beltcheva, M.**, Noguera Díaz-López, P. A., Ostoich, P., Heredia-Rodríguez, O. 2024. Effect of acute and long-term extremely low-frequency electromagnetic fields exposure on murine hematological parameters. Acta Zoologica Bulgarica, suppl. 20, 61-69. IF:0.5 <https://acta-zoologica-bulgarica.eu/supplement-20-2024/> **Q3**

19. Heredia-Rojas, J. A., Rodríguez-De la Fuente, A. O., Gomez-Flores, R., **Beltcheva, M.**, Noguera-Díaz López, P. A., Ostoich, P., Heredia- Rodríguez, O. 2024. Comparative effect of the antioxidant's resveratrol and Mangifera indica L. extract on in vivo clastogenicity induced by extremely low-frequency electromagnetic fields. Acta Zoologica Bulgarica, suppl. 20, 71-77. IF:0.5 <https://acta-zoologica-bulgarica.eu/supplement-20-2024/> **Q3**

20. Ostoich P., **Beltcheva, M.**, Metcheva, R. 2019. State, Application and Prospects of Radioecological Biomonitoring in Small Mammals. Acta zoologica bulgarica, 71, 3, 311-324. IF:0.278 <https://acta-zoologica-bulgarica.eu/september-2019/> **Q4**

21. **Beltcheva, M.**, Ostoich, P., Alexieva, I., Metcheva, R. 2022. Natural zeolites as detoxifiers and modifiers of the biological effects of lead and cadmium in small rodents: a review. BioRisk, 17, Pensoft, 147-155. SJR:0.667 <https://www.proquest.com/publiccontent/docview/2653756812?fromopenview=true&pq-origsite=gscholar&sourcetype=Scholarly%20Journals>

22. Metcheva, R., Ostoich, P., **Beltcheva, M.** 2022. Ecocide - global consequences (pesticides, radionuclides, petroleum products). BioRisk, 17, Pensoft, 7-18. SJR:0.667 <https://biorisk.pensoft.net/article/77438/>

23. Roumiana Metcheva, **Michaela Beltcheva**, Peter Ostoich. 2021. “The Boiling Stones”: Prospective and Reliable Biodetoxicators. Ecologia Balkanica, Sp. Ed. 4, Sp. Ed. 4, 207-217. SJR:0.14 https://openurl.ebsco.com/EPDB%3Aagd%3A3%3A26449555/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Aagd%3A154159814&crl=c&link_origin=scholar.google.bg

24. Ostoich, P., **Beltcheva, M.**, Metcheva, R., Alexieva, I., Heredia-Rojas, J. A., Geleva, E., Angelov, Ch. 2020. Observed Reduction by a Factor of 10 in the Whole-Body Total Beta - Activity of Small Mammals from Alpine Ecosystems in Rila Mountain, Bulgaria. Ecologia Balcanica, Special edition 3, 163-168. SJR:0.13 https://openurl.ebsco.com/EPDB%3Aagd%3A7%3A26449511/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Aagd%3A150045457&crl=c&link_origin=scholar.google.bg

25. **Beltcheva, M.**, Aleksieva, I., Metcheva, R., Jovtchev, G., Gateva, S., Dimitrov, D. 2019. Small Mammals Diversity and Population Structure Driven by Habitat Heterogeneity in Rila Mountain, Bulgaria. Silva Balcanica, 20, 2, 5-12. SJR:0.11 <https://www.cabidigitallibrary.org/doi/full/10.5555/20203000578>

26. Metcheva, R., **Beltcheva, M.**, Topashka – Antcheva, M., Tyutyundzhiev, N., Aleksieva, I., Ravnachka, I., Ostoich, P., Arsov, T., Angelov, H. 2019. Potential effect of natural UV irradiation and gamma background on albino mice at two altitudes (Rila Mountain, BG). AIP Conference Proceedings, 2075, 1, SJR:0.16 <https://pubs.aip.org/aip/acp/article-abstract/2075/1/130008/819634/Potential-effect-of-natural-UV-irradiation-and?redirectedFrom=fulltext>

Г8 - Публикувана глава от книга или колективна монография

27. Ostoich, P., **Beltcheva, M.**, Metcheva, R. Nefarious, but in a different way: comparing the ecotoxicity, gene toxicity and mutagenicity of lead (Pb) and cadmium (Cd) in the context of small mammal ecotoxicology. Genotoxicity and Mutagenicity - Mechanisms and Test Methods, Intech Open, 2020, <https://www.intechopen.com/chapters/69753>

28. Ostoich, P., **Beltcheva, M.**, Heredia-Rojas, A., Metcheva, R. Radionuclide Contamination as a Risk Factor in Terrestrial Ecosystems: Occurrence, Biological Risk, and Strategies for Remediation and Detoxification. Poisoning - The Toxicity of Environmental Pollutants, 1, 1, Intech Open, 2022, ISBN:978-1-80355-580-5, 16, 1-16 <https://www.intechopen.com/chapters/81432>

29. Ostoich, P., **Beltcheva, M.**, Takov D., Pilarska D., Alexieva I. and Peeva N. Pesticides as POPs in terrestrial and riverine ecosystems: behavior, effects, monitoring, and management strategies. Part of the book: Persistent Organic Pollutants - Monitoring, Treatment Technologies, and Health Effects, Intech Open, 2025 **In Press** ISBN 978-1-83634-020-1. <https://publish.intechopen.com/s/author-panel>

<https://publish.intechopen.com/s/my-profile> *приложен е сертификат за приета статия*

Списък на публикации, които не влизат в показателите за заемане на академична длъжност „професор“

1. Koshev, Y., **Beltcheva, M.**, Metcheva, R., Aleksieva, I., Kachamakova, M.. Small mammals in Rila National Park, Bulgaria: Diversity, Threats and Conservation. Nikolova M (Ed). Scientific reports: Scientific conference "30 years of Rila National Park" - A challenge for future generations 03 June 2022, 61-68., Directorate of the National Park "Rila", Blagoevgrad, Bulgaria, 2022, ISBN:978-619-90533-8-6, 61-68

2. Heredia-Rojas, A., Rodríguez-de la Fuente, A. O., Gomez-Flores, R., **Beltcheva, M.**, Ostoich, P., Carlos-Ramos, D.A., Noguera, P.A., Heredia-Rodríguez, O. In Vitro Increased Wheat Stalk Growth by Highly Diluted Agitated Preparations of a Commercial Fertilizer. Proceedings of the 5th Balkan Scientific Conference on Biology, Plovdiv University Press, 2021, 2021, ISBN: I S B N 9 7 8 - 6 1 9 - 2 0 2 - 6 5 8 - 5, 9-15

3. Teodorova, S., **Beltcheva, M.**, Metcheva, R., Topashka-Ancheva, M., Popov, N. Zeolites Significantly Diminish Lead Intoxication Harm. J Biochem Mol Med, 2, 1, 2020, 75-90

4. **Белчева, М.**, Пандурски, И., Алексиева, И. Биоразнообразие в Лозенска планина - Бозайници. Институт по биоразнообразие и екосистемни изследвания, БАН, София, 2019, 35-39

5. Ostoich, P., **Beltcheva, M.**, Metcheva, R. Contemporary concepts in the ecotoxicology of cadmium (Cd) in terrestrial ecosystems and its biomonitoring in terrestrial vertebrates. Seminar of Ecology - 2017 with international participation Proceedings, 2018, 96-102

19. 07. 2025 г.

М. Недялкова