

Списък на научните трудове на

гл. ас. д-р Цветелина Жанова Герасимова, представени във връзка с участието в конкурс за академичната длъжност „доцент” по професионално направление 4.3. Биологически науки, научна специалност "Генетика"

Показател А

1. Дисертационен труд за присъждане на образователна и научна степен „доктор“

Цветелина Герасимова (2012). „Сравнително изследване върху чувствителността на кариотипа на мониторинжни видове дребни бозайници към действието на химически мутагени от околната среда”, София, Институт по биоразнообразие и екосистемни изследвания - БАН, 197 с., за получаване на научната и образователна степен „Доктор”, Научна специалност “Екология и опазване на екосистемите”, шифър 02.22.01, Защита на дисертационен труд - 10 август 2012 год. (Диплом № 000191, издаден на 26.10.2012 год.).

Публикации, свързани с дисертацията - не влиза в справката за покриване на минималните наукометрични изисквания

1. Topashka-Ancheva, M., **Yordanova, T.** (2008). Comparative analysis of the karyotype sensitivities of *Apodemus flavicollis* and laboratory mice to DNA damaging agents. *Journal of Natural History (London)*, 42, 5-8, 269-278, Taylor and Francis Ltd., ISSN:0022-2933, DOI:10.1080/00222930701835118, SJR (Scopus):0.39, JCR-IF (WoS):0.627, Q3_(WoS)
2. **Gerasimova, T.**, Topashka-Ancheva, M. (2010). Experimental data for chromosome fragility in small mammal species (Rodentia, Mammalia). *Comptes Rendus de L'Academie Bulgare des Sciences*, 63, 2, Academic Publishing House, 2010, ISSN:1310-1331, 277-284. SJR (Scopus):0.215, JCR-IF (WoS):0.219, Q2_(Scopus)
3. Topashka-Ancheva, M., **Gerasimova, T.** (2012). Chapter 7. Genomic sensitivity of small mammals - a suitable test system in the genetic monitoring. *Ecotoxicology*, InTECH Book Edited by Dr. Ghousia Begum, 2012, ISBN:978-953-51-0027-0, 125-146.

Показател В

4. Хабилизационен труд – научни публикации в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация (Web of Science и Scopus)

1. **Tsvetelina Gerasimova**, Gabriele Jovtchev, Svetla Gateva, Margarita Topashka-Ancheva, Alexander Stankov, Tsveta Angelova, Ana Dobрева, Milka Mileva. (2022). Study on Cytotoxic and Genotoxic Potential of Bulgarian *Rosa damascena* Mill. and *Rosa alba* L. Hydrosols - *In Vivo* and *In Vitro*. *Life-Basel MDPI*, 12 (9), 1452, ISSN:2075-1729,

- DOI:<https://doi.org/10.3390/life12091452>, SJR (Scopus):0.634, JCR-IF (WoS):3.2, **Q2 (WoS, Scopus)**, <https://www.mdpi.com/2075-1729/12/9/1452>
2. Svetla Gateva, Gabriele Jovtchev, Tsveta Angelova, **Tsvetelina Gerasimova**, Ana Dobрева, Milka Mileva. (2023). Cytogenetic studies on genoprotective effect of *Rosa damascena* Mill. hydrosol in plant and lymphocyte test-systems. Life-Basel MDPI, 13, 8, 1753, ISSN:2075-1729, DOI:<https://doi.org/10.3390/life13081753>, SJR (Scopus):0.713, JCR-IF (WoS):3.2, **Q1 (Scopus, WoS)**, <https://www.mdpi.com/2075-1729/13/8/1753>
 3. Svetla Gateva, Gabriele Jovtchev, Tsveta Angelova, **Tsvetelina Gerasimova**, Ana Dobрева, Milka Mileva. (2024). Genotoxic and anti-genotoxic potential of hydrosols from water-steam distillation of oil-bearing roses *Rosa centifolia* L. and *Rosa gallica* L. from Bulgaria. Pharmaceuticals MDPI, 17, 5, 657, ISSN:1424-8247, DOI:<https://doi.org/10.3390/ph17050657>, SJR (Scopus):1.019, JCR-IF (WoS):4.8, **Q1 (Scopus, WoS)**, <https://www.mdpi.com/1424-8247/17/5/657>
 4. **Gerasimova, T.**, Gateva, S., Jovtchev, G., Angelova, T., Topashka-Ancheva, M., Dobрева, A., Mileva, M. (2025). *Rosa damascena* Mill. Essential Oil: Analysis of *In Vitro* and *In Vivo* Genotoxic and Cytotoxic Potentials by Employing Three Cytogenetic Endpoints. Molecules MDPI, 30, 1, ISSN:1420-3049, DOI:<https://doi.org/10.3390/molecules30010078>, SJR (Scopus 2024):0.865, JCR-IF (WoS):4.6, **Q1, (WoS, Scopus)**, <https://www.mdpi.com/1420-3049/30/1/78>
 5. **Gerasimova, Ts.**, Gateva, S., Jovtchev, G., Dobрева, A., Mileva, M., Kokanova-Nedialkova, Z., Gospodinova, M., Angelova, Ts., Nedialkov, P. (2025). Screening of Cytotoxic and Genotoxic Activities of Subcritical Water Extracts from *R. damascena* and *R. alba* Flowers. Molecules MDPI, 30, 21, 4294 DOI:<https://doi.org/10.3390/molecules30214294>, SJR (Scopus 2024):0.865, JCR-IF (WoS):4.6, **Q1, (WoS, Scopus)**, <https://www.mdpi.com/1420-3049/30/21/4294>
 6. Svetla Gateva, Gabriele Jovtchev, **Tsvetelina Gerasimova**, Alexander Stankov, Milka Mileva, Ana Dobрева. (2026). Cytogenetic analysis of the protective potential of subcritical water extracts from *Rosa damascena* Mill. and *Rosa alba* L. International Journal of Ecosystems and Ecology Science (IJEES), 16, 1, 1-8, Hysen Mankolli, ISSN:2224-4980, DOI:<https://doi.org/10.31407/ijeec>, SJR (Scopus):0.123, **Q4, (Scopus)**, [https://ijeec.net/journal-107-International-Journal-of-Ecosystems-and-Ecology-Science-\(IJEES\)-Volume-16-1-2026.html](https://ijeec.net/journal-107-International-Journal-of-Ecosystems-and-Ecology-Science-(IJEES)-Volume-16-1-2026.html)

Показател Г

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

1. Naydenova, E., Topashka-Ancheva, M., Todorov, P., Yordanova, Ts., Troev, K. (2006). Novel a-aminophosphonic acids. Design, characterization, and biological activity. Bioorganic & Medicinal Chemistry, 14, 7, Elsevier, 2006, ISSN:0968-0896, DOI:10.1016/j.bmc.2005.11.002, 2190-2196, SJR (SJR2006=0.928), JCR-IF (WoS): 2.624, **Q1, (Scopus)**, <https://www.scimagojr.com/journalsearch.php?q=25786&tip=sid&clean=0>
2. Naydenova, E., Todorov, P., Topashka-Ancheva, M., Momekov, G., **Yordanova, T.**, Konstantinov, S., Troev, K. (2008). Novel N-(phosphonomethyl) glycine derivatives: Design, characterization and biological activity. European Journal of Medicinal Chemistry, 43, 6, 1199-1205, Elsevier, ISSN:0223-5234, DOI:10.1016/j.ejmech.2007.08.010, SJR (Scopus):0.962, JCR-IF (WoS):2.882, **Q1, (Scopus)**,

3. Topashka-Ancheva, M., **Gerasimova, Ts.**, Dinchev, V., Dimitrov, K. (2009). Karyological Data About the Bulgarian Native Dog Breed “Karakachan Dog”. *Biotechnology & Biotechnological Equipment*, 23, 136-139, Taylor & Francis, OnlineISSN:13102818, DOI:10.1080/13102818.2009.10818384, SJR (Scopus):0.135, JCR-IF (WoS):0.291, **Q4 (WoS)** <https://www.tandfonline.com/doi/abs/10.1080/13102818.2009.10818384>
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5. Kril, A., Iliev, I., Topashka-Ancheva, M., **Gerasimova, Ts.**, Kraicheva, I., Tsacheva, I., Vodenicharova, E., Ivanov, I., Troev, K. (2011). *In Vitro* Antitumor Activity and Safety Testing of an Aminophosphonate Bearing a Furan Ring. *Biotechnology & Biotechnological Equipment*, 25, 4, 2663-2667, Taylor & Francis Online, ISSN:1310-2818, DOI:10.5504/BBEQ.2011.0060, SJR (Scopus):0.417, JCR-IF (WoS):0.76, **Q3 (Scopus)**, <https://www.tandfonline.com/doi/abs/10.5504/BBEQ.2011.0060>
6. 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. SJR (Scopus):0.649, JCR-IF (WoS):1.748, **Q2 (Scopus)**, <https://link.springer.com/article/10.1007/s12011-011-9289-1>
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11. Kril, A., Topashka-Ancheva, M., Georgieva, A., Iliev, I., **Gerasimova, T.**, Kraicheva, I., Tsacheva, I., Bogomilova, A., Vodenicharova, E., Troev, K. (2014). Low cytotoxicity and clastogenicity of some polymeric aminophosphonate derivatives. *Biotechnology & Biotechnological Equipment*, 28, 1, 153-159, Taylor & Francis Group, ISSN:1310-2818, DOI:10.1080/13102818.2014.901676, SJR (Scopus):0.173, JCR-IF (WoS):0.3, **Q4 (WoS, Scopus)**, <https://www.tandfonline.com/doi/full/10.1080/13102818.2014.901676>
12. Janiga, M., Hrehová, Z., Dimitrov, K., **Gerasimova, C.**, Lovari, S. (2016). Lead Levels in the Bones of Snow Voles *Chionomys nivalis* (Martins, 1842) (Rodentia) from European Mountains: A Comparative Study of Populations from the Tatra (Slovakia), Vitosha and Rila (Bulgaria). *Acta Zoologica Bulgarica*, BAS, 68, 2, 291-295, ISSN:0324-0770, SJR (Scopus):0.307, JCR-IF (WoS):0.413, **Q3 (Scopus)**, <https://www.acta-zoologica-bulgarica.eu/downloads/acta-zoologica-bulgarica/2016/68-2-291-295.pdf>
13. 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), 1-9, SCImago Journal, ISSN:0972-0626, SJR (Scopus):0.143, **Q4 (Scopus)**, https://www.researchgate.net/publication/307899001_Mathematical_model_of_the_mitotic_index_during_chronic_lead_bioaccumulation_in_small_mammals_protected_and_non-protected_by_natural_clinoptilolite/stats
14. **Tsvetelina Gerasimova**, Margarita Topashka-Ancheva, Gabriele Jovtchev, Krastio Dimitrov. (2023). Clastogenic effect of Tetrahydrofuran (THF) – a comparative study in five rodent mammal species. *Acta zoologica bulgarica*, 75, 4, 485-495, ISSN:0324-0770 (print), 2603-3798 (online), SJR (Scopus):0.216, JCR-IF (WoS):0.4, **Q4 (Scopus, WoS)**, <https://www.acta-zoologica-bulgarica.eu/2023/002692>
15. 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, DOI: <https://doi.org/10.71424/azb76.2.002776>, SJR (Scopus):0.226, JCR-IF (WoS):0.5, **Q3 (Scopus)**, <https://acta-zoologica-bulgarica.eu/2024/002776>

8. Публикувана глава от книга или колективна монография

16. Jovtchev, G., Gateva, S., **Gerasimova, Ts.**, Topashka-Ancheva, M., Angelova, Ts., Stankov, A., Dobрева, A., Mileva, M. (2023). Chapter 4. A Cytogenetic Overview of Bulgarian *Rosa alba* L. Essential Oil, Hydrosol and Wastewater – Generated by Water-Steam Distillation on *in vivo* and *in vitro* Test Systems. *Novel Aspects on Chemistry and Biochemistry*, 4, BP

International, ISBN:978-81-19491-04-9, eBook ISBN: 978-81-19491-05-6, DOI:10.9734/bpi/nacb/v4/6060C, 34-69.

<https://bookstore.bookpi.org/product/novel-aspects-on-chemistry-and-biochemistry-vol-4/>

Други публикации в списания и в сборници от конференции - не влизат в справката за покриване на минималните наукометрични изисквания

1. Topashka-Ancheva, M., Voinova, G., **Yordanova, Ts.**, Troev, K. (2005). Genotoxic and antiproliferative effects of three newly synthesized aminophosphonic acids. In: Proceedings of the Balkan Scientific Conference of Biology, Plovdiv, 19- 21 May 2005, (Eds B. Gruev, M. Nikolova and A. Donev), Part I, 1, 603-611, <http://web.uni-plovdiv.bg/mollov/bio/bscb2005/part1/603-611.pdf>
2. Dimitrov, K., **Yordanova, Ts.**, Metcheva, R. *Apodemus mystacinus* (Alston & Danford 1877) suffers physiologic tension in its northern distribution area. In: Proceedings of the Balkan Scientific Conference of Biology, Plovdiv, Part II, 19- 21 May 2005, (Eds B. Gruev, M. Nikolova and A. Donev), 2005, 467-472, <http://web.uni-plovdiv.bg/mollov/bio/bscb2005/part2/467-472.pdf>
3. Dimitrov, K., **Yordanova, Ts.**, Metcheva, R. (2005). Application of an advanced closed respirometer for small mammals. Biotechnology and Biotechnological Equipment, 19, 1, 210-214, Diagnosis Press, ISSN:1310-2818, DOI:10.1080/13102818.2005.10817184, JCR-IF (WoS):0.029, SJR (Scopus 2005):0.153, **Q4, Scopus**, <https://www.tandfonline.com/doi/abs/10.1080/13102818.2005.10817184>
4. Todorov, P., Naydenova, E., Topashka-Ancheva, M., **Yordanova, Ts.**, Troev, K. (2006). Synthesis, genotoxic and antiproliferative effects of new aminophosphonic acids. Bulgarian Chemical Communication, 38, 1, 20-23, ISSN: 0861-9808, <https://scispace.com/papers/synthesis-genotoxic-and-antiproliferative-effects-of-new-50xy15b5zz>
5. Topashka-Ancheva, M., **Gerasimova, Ts.** (2029). New cytogenetical data on *Chionomys nivalis* from Vitosha Mountain. Сборник Осма Национална конференция по медицинска биология. 2-4 октомври, 2009, 26-27. <file:///E:/2025/Docent/Docent%20111/bez%20IF/New%20cytogenetical%20data%20on%20Chionomys%20nivalis%20from%20Vitosha%20Mountain.pdf>
6. Kril, A., Iliev, I., Topashka-Ancheva, M., **Gerasimova, Ts.**, Tsacheva, I., Vodenicharova, E. (2010). *In vitro* antitumor activity and safety of furan-containing aminophosphonate. Научна конференция с международно участие „Традиции и съвременност във ветеринарната медицина”, Сборник доклади, пълен текст, 2010, ISSN:1313-4337, 159-166, https://www.researchgate.net/publication/377983436_IN_VITRO_ANTITUMOR_ACTIVITY_AND_SAFE_TY_OF_FURAN-CONTAINING_AMINOPHOSPHONATE
7. Topashka-Ancheva, M., Todorov, P., **Gerasimova, T.**, Naydenova, E. (2011). Genotoxic and antiproliferative effects of recent synthesized hydantoin-phosphonic derivatives. Journal of the University of Chemical Technology and Metallurgy, 46, 2, 191-196, University of Chemical Technology and Metallurgy, 2011, ISSN:13117629, <https://www.scopus.com/pages/publications/84872837406?origin=resultslist>

8. Nikolova-Mladenova, B., Momekov, G., **Gerasimova, Ts.**, Topashka-Ancheva, M. (2014). Comparative evaluation of *in silico* and *in vitro* pharmacological activity of some 5-nitrosalicylaldehyde-derived hydrazones. Journal of Medical and Biological Sciences, 1, 44-48, CreateSpace Independent Publishing Platform, 2014, ISBN:13: 978-1499669787, <https://www.semanticscholar.org/paper/Comparative-evaluation-of-in-silico-and-in-vitro-of-Nikolova-Mladenova-Gerassimova/269f5722eaa4e5b7dda61998536bfaf35e9b51fb>
9. **Gerasimova, Ts.**, Topashka-Ancheva, M., Gateva, S., Jovtchev, G. (2019). Genotoxicity induced by treated with Roundup plant extracts of *Hordeum vulgare* in ICR strain laboratory mice. Proceedings of 23rd International Eco-Conference® 13th Eco-Conference of Environmental protection of urban and suburban settlements: XXIII International Eco-Conference, COBISS.SR-ID 330693895, 2019, ISBN:978-86-83177-55-4, 171-178, https://www.researchgate.net/profile/Vera-Popovic/publication/344376105_Proceedings_XXIII_Eco-conference_2019/links/5f6dbd7492851c14bc94ad26/Proceedings-XXIII-Eco-conference-2019.pdf
10. **Gerasimova, Ts.**, Topashka-Ancheva, M., Dobрева, A., Georgieva, A., Mileva, M. (2022). Evaluation of the genotoxic activity of wastewater obtained after steam distillation of essential oil of Bulgarian *Rosa alba* L. – *in vivo* study. Romanian Biotechnological Letters, 27, 1, 3292-3301, University of Bucharest, 2022, ISSN:2248-3942, doi: 10.25083/rbl/27.1/3292-3301, <https://rombio.unibuc.ro/wp-content/uploads/2022/03/27-1-14.pdf>
11. **Ts. Gerasimova**, G. Jovtchev, S. Gateva, M. Topashka-Ancheva, Ts. Angelova, A. Dobрева, M. Mileva. Study on potential cytotoxic and clastogenic effects of *Rosa centifolia* L. wastewater. XXVI INTERNATIONAL ECO-CONFERENCE ® 2022 XII SAFE FOOD, Proceedings, Ecological Movement of Novi Sad, 2022, ISBN:978-86-83177-59-2, 423-432, https://www.researchgate.net/publication/363730709_26_International_Eco-conference_2022_12_Safe_Food
12. Georgieva, A., Miteva-Staleva, J., Krumova, E., Dobрева, A., Jovtchev, G., Gateva, S., **Gerasimova, Ts.**, Mileva, M. (2022). Essential oil from Bulgarian *Rosa alba* L. and *Rosa damascena* Mill. amplify the antifungal effect of nystatin. XXVI INTERNATIONAL ECO-CONFERENCE ® 2022 XII SAFE FOOD, Proceedings, Ecological Movement of Novi Sad, 2022, ISBN:978-86-83177-59-2, 141-147, https://www.researchgate.net/publication/363730709_26_International_Eco-conference_2022_12_Safe_Food
13. Gabriele Jovtchev, Svetla Gateva, Tsveta Angelova, **Tsvetelina Gerasimova**, Alexander Stankov, Ana Dobрева, Milka Mileva. (2024). Mini review: Cytogenetic analysis of the most grown rose cultivars in Bulgaria – a comparative study. XXVIII International Eco-Conference [and] XIII Safe food, Proceedings, 25-27th September 2024, Novi Sad, Serbia, pp. 111-120, Ecological movement of Novi Sad 21102, ISBN: 978-86-83177-61-5, 111 bis-120 bis,