

**Списък на научните трудове на
гл. ас. д-р Теодора Иванова Тодорова, представени във връзка с
участието в конкурс за академичната длъжност „доцент” по
професионално направление 4.3. Биологически науки, научна
специалност "Генетика"**

(1) Научни трудове, на основата на които е защитена дисертация

- (i1) Chankova, S., **Todorova, T.**, Parvanova, P., Miteva, D., Mitrovska, Z., Angelova, O., Imreova, P., Mucaji, P., 2013, Kaempferol and jatrophan: are they protective or detrimental for *Chlamydomonas reinhardtii*? Comptes rendus de l'Académie bulgare des Sciences, 66(8), 1121-1128. (IF=0.211; Q2)
- (i2) **Todorova, T.**, Miteva, D., Chankova, S., 2015, DNA damaging effect of zeocin and methyl methanesulfonate in *Saccharomyces cerevisiae* measured by CFGE, Comptes rendus de l'Académie bulgare des Sciences, 68(1), 71-78. (IF=0.198; Q2)
- (i3) **Todorova, T.**, Pesheva, M., Gregan, F., Chankova, S., 2015, Antioxidant, antimutagenic and anticarcinogenic effects of *Papaver rhoeas* L. extract on *Saccharomyces cerevisiae*, Journal of Medicinal Food, 18(4): 460-467. doi:10.1089/jmf.2014.0050 (IF=1.622; Q2)
- (i4) **Todorova T.**, K. Bardarov, D. Miteva, V. Bardarov, A. Atanasov, S. Chankova, Protective activity of different extracts of *Clinopodium vulgare* L., сборник „Семинар по екология – 2014“.

(2) Научни трудове извън дисертацията

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

- В4.1 Todorova, T.**, Pesheva, M., Stamenova, R., Dimitrov, M., Venkov, P, 2012, Mutagenic effect of freezing on nuclear DNA of *Saccharomyces cerevisiae*. Yeast, 29, 191–199. <https://doi.org/10.1002/yea.2901> (IF=1.955)
- В4.2 Todorova, T.**, Miteva, D., & Chankova, S. (2019). DNA susceptibility of *Saccharomyces cerevisiae* to Zeocin depends on the growth phase. International Microbiology, 22(4), 419-428. <https://doi.org/10.1007/s10123-019-00065-5> (IF=0.796)
- В4.3 Marinovska, P. G., Todorova, T. I., Boyadzhiev, K. P., Pisareva, E. I., Tomova, A. A., Parvanova, P. N., Dimitrova, M., Chankova, S.G. & Petrova, V. Y.** (2022). Cellular susceptibility and oxidative stress response to menadione of logarithmic, quiescent, and nonquiescent *Saccharomyces cerevisiae* cell populations. BioRisk, 17, 127-138. <https://doi.org/10.3897/biorisk.17.77320> (SJR=0.17)

B4.4 Miteva, D, **Todorova, T**, Chankova, S. How Chlorella species isolated from contrasting habitats respond to UV-B induced stress?. Ecologia Balkanica, 2020, 19-30. http://web.uni-plovdiv.bg/mollov/EB/2020_SE3/019-030_eb.20SE304.pdf (SJR=0.13)

B4.5 Todorova, T, Parvanova, P, Çavuş, H, Yovkova, M, Dimitrova, M, Mohafrash, S, Mossa, AT, Boyadzhiev, K, Dimitrov, M., Chankova, S. Set of tests for chlorpyrifos toxicity screening. Ecologia Balkanica, 2020, 227-238. http://web.uni-plovdiv.bg/mollov/EB/2020_SE3/227-238_eb.20SE325.pdf (SJR=0.13)

B4.6 Todorova T, Boyadzhiev K, Shkondrov A, Parvanova P, Dimitrova M, Ionkova I, Krasteva I, Kozuharova E, Chankova S (2022). Screening of *Amorpha fruticosa* and *Ailanthus altissima* extracts for genotoxicity/antigenotoxicity, mutagenicity/antimutagenicity and carcinogenicity/anticarcinogenicity. BioRisk, 17, 201-212. <https://doi.org/10.3897/biorisk.17.77327> (SJR=0.17)

B4.7 Marinovska P, **Todorova T**, Tomova A, Pisareva E, Boyadzhiev K, Dimitrov M, Parvanova P, Dimitrova M, Chankova S, Petrova V. (2022). *Saccharomyces cerevisiae* yeast cells as a test system for assessing Zeocin toxicity. BioRisk, 17, 105-116. <https://doi.org/10.3897/biorisk.17.77227> (SJR=0.17)

B4.8 Todorova, M. D., Parvanova, P. N., **Todorova, T. I.**, Nikolova, M. T., Berkov, S. H., & Chankova, S. G. (2022). Polar and non-polar fraction from *Origanum vulgare* spp. hirtum methanolic extract—differences in their bioactivity on *Chlamydomonas reinhardtii* test system. BioRisk, 17, 191-200. <https://doi.org/10.3897/biorisk.17.78169> (SJR=0.17)

Г5 - Публикувана монография, която не е представена като основен хабилитационен труд

Г5.1 Тодорова, Т. (2022) *Saccharomyces cerevisiae* – модел за изследване на ефекта на ниските температури и окислителния стрес. Викиер ЕООД, ISBN:978-954-92406-2-7

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

Г7.1 Dimitrov, M., Iliev, I., Bardarov, K., Georgieva, D., & **Todorova, T.** (2021). Phytochemical characterization and biological activity of apricot kernels' extract in yeast-cell based tests and hepatocellular and colorectal carcinoma cell lines. Journal of Ethnopharmacology, 114333. <https://doi.org/10.1016/j.jep.2021.114333> (IF=4.360)

Г7.2 Kozuharova E, Pasdaran A, Al Tawaha AR, **Todorova T**, Naychov Z, Ionkova I. (2022) Assessment of the Potential of the Invasive Arboreal Plant *Ailanthus altissima* (Simaroubaceae)

as an Economically Prospective Source of Natural Pesticides. Diversity; 14(8):680. <https://doi.org/10.3390/d14080680> (IF= 3.029)

Г7.3 Todorova, A., & **Todorova, T.** (2022) Apricot kernels' extract and amygdalin alter bleomycin-induced Ty1 retrotransposition, mitotic gene conversion in the trp-5 locus and reverse point mutations in ilv1-92 allele in *Saccharomyces cerevisiae*. Archives of Microbiology, 204(9), 1-7 <https://doi.org/10.1007/s00203-022-03155-7> (IF=2.667)

Г7.4 Todorova, A., Pesheva, M., Iliev, I., Bardarov, K., **Todorova, T.** (2017) Antimutagenic, Antirecombinogenic, and Antitumor Effect of Amygdalin in a Yeast Cell-Based Test and Mammalian Cell Lines, Journal of Medicinal Food, 20(4): 360-366. <https://doi.org/10.1089/jmf.2016.0108> (IF= 1.844)

Г7.5 **Todorova, T.**, Bardarov, K., Miteva, D., Bardarov, V., Atanasov, A., Chankova, S. (2016) DNA protective activities of *Clinopodium vulgare* L. extracts, Comptes rendus de l'Académie bulgare des Sciences, 69(8), 1019-1024 http://www.proceedings.bas.bg/cgi-bin/mitko/0DOC_abs.pl?2016_8_08 (IF=0.233)

Г7.6 Bardarov, K., **Todorova, T.**, Miteva, D., Bardarov, V., Atanasov, A., Chankova, S. (2016) Preliminary screening for study of the chemical composition of *Clinopodium vulgare* L. water extract, Comptes rendus de l'Académie bulgare des Sciences, 69(6), 717-724 http://www.proceedings.bas.bg/index_old.html (IF=0.233)

Г7.7 Dimitrova, M, Miteva, D, **Todorova, T.**, Parvanova, P, Yovkova, M, Dimitrov, M., Chankova, S. (2022) DNA-repair deficient strains *Chlamydomonas reinhardtii* as good tools for environmental toxicology. Comptes rendus de l'Académie bulgare des Sciences, 75, 2, 223-229 <https://doi.org/10.7546/CRABS.2022.02.07> (IF=0.329)

Г7.8 **Todorova, T.**, Ivanova, I., Parvanova, P., Chankova, S. (accepted 2022) *Clinopodium vulgare* L. extract counteracts DNA damaging action of radiomimetic Zeocin accelerating DSBs rejoining in *Saccharomyces cerevisiae*. Comptes rendus de l'Académie bulgare des Sciences, SJR (Scopus):0.19, JCR-IF (Web of Science):0.329(IF2021=0.329)

Г7.9 Todorova, M. D., Parvanova, P. N., **Todorova, T. I.**, Dronchev, G. D., Nikolova, M. T., Berkov, S. H., & Chankova, S. G. (2022). On the mode of action of *Origanum vulgare* spp. hirtum methanolic extract and essential oil on *Chlamydomonas reinhardtii*. BioRisk, 17, 179-190. <https://doi.org/10.3897/biorisk.17.77313> (SJR=0.17)

Г7.10 Ignatov, I., Neshev, N., Popova, T., Kiselova-Kaneva, Y., Drossinakis, C., Bankova, R., Toshkova, R., Gluhchev, G., Valcheva, N., Angelcheva, M., Dinkov, G., Angushev, I., **Todorova, T.**, Balabanski, V., Baiti, S., Huether, F., & Ignatov, A. I. (2022). Theoretical Analysis of Hydrogen Bonds, Energy Distribution and Information in a 1% *Rosa damascena* Mill Oil Solution. Plant Science Today, 9(3), 760–765. <https://doi.org/10.14719/pst.1645> (SJR=0.24)

Г8 - Публикувана глава от книга или колективна монография

Г8.1 Димитрова, Маргарита, **Тодорова, Теодора**. Някои аспекти на успешната презентация на медицинска тема. Студио 18, 2020, ISBN:978-619-7249-67-5, 107

Г8.2 Тодорова, Т, Първанова, П, Йовкова, М, Димитрова, М, Чанкова, С. Афицидна активност, генотоксичен и мутагенен потенциал на етерично масло от бял риган. Биоцидни свойства на етерично масло от *Origanum vulgare* subsp. *hirtum* (Link) letsw. (гръцки, бял риган), Интел Ентранс, 2021, 41-58. ISBN:978-619-7554-79-3

Г8.3 Todorova, T. Apricot (*Prunus* sect. *armeniaca*) kernels and usage in cancer studies, in Ancient and Traditional Foods, Plants, Herbs and Spices in Human Health, CRC Press, Taylor & Francis group, accepted 2022

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

ii1 Todorova, T, Miteva, D, Chankova, S. How experimental design affects adaptive response in *Saccharomyces cerevisiae*. Seminar of Ecology -2015 with international participation, Фараго, 2016, ISBN:979-853-476-132-4, 167-170

ii2 Radovanova, N, Ivanova, I, **Todorova, T**, Chankova, S. Does combined treatment with *Clinopodium vulgare* extract and zeocin protect nuclear DNA from zeocin-induced damages?. Proceedings Seminar of Ecology - 2016 with international participation, Фараго, 2017, ISBN:979-853-476-132-4, 163-165

ii3 Todorova, T, Miteva, D, Radovanova, N, Ivanova, I, Chankova, S. DNA protection by *Clinopodium vulgare* against zeocin-induced double-strand breaks - role of genotype and experimental design. Proceedings Seminar of Ecology - 2016 with international participation, Фараго, 2017, ISBN:979-853-476-132-4, 160-162

ii4 Parvanova, P., **Todorova, T.**, Miteva, D., Mitrovska, Z., Chankova, S. DNA susceptibility of *Chlamydomonas reinhardtii* and *Saccharomyces cerevisiae* to Nurelle D. Proceedings of 10th anniversary "Seminar of Ecology – 2017", with international participation, Фараго, 2018, ISBN:979-853-476-132-4, 129-131

ii5 Todorova, T, Parvanova, P, Mohafrash, S. M. M., Kostadinov, K, Dimitrov, M, Iliev Ivan, Mitrovska, Z, Mossa, A. T. H., Chankova, S. Nurelle D® bioactivity depending on the test system. Proceedings of 11th "Seminar of Ecology – 2018", with international participation, Institute of Biodiversity and Ecosystem Research, 2019, ISBN:978-954-9746-45-7, 87-98

ii6 Todorova, T., Parvanova, P., Dimitrova, M., Mitrovska, Z., Chankova, S. Optimization of CFGE for *Saccharomyces cerevisiae* strain with a wild type cell wall structure. Proceedings of International Seminar of Ecology - 2019, Farago, 2020, ISBN:978-619-206-153-1, 39-41

ii7 Todorova, T, Dimitrov, M., Ignatov, I., Gluhchev, G., Dinkov, G. Oxidal® Ameliorates the Ty1 Retrotransposition Induced by Methyl Methanesulfonate in *Saccharomyces cerevisiae*.

Microbiology Research Journal International, 30, 4, 2020, ISSN:2456 - 7043, DOI:<https://doi.org/10.9734/mrji/2020/v30i430211>, 34-42

ii8 Стефка Чанкова, **Теодора Тодорова**, Мария Тодорова, Петя Първанова, Мария Йовкова. Мутагенеза от околната среда - съвременно предизвикателство. Списание на БАН, 2, Издателство на БАН „Проф. Марин Дринов“, 2020, ISSN:0007-3989, 56-61

ii9 Димитрова, М, Димитров, В, **Тодорова, Т.** Ролята на интерактивния бинарен урок в обучението по български език като чужд. Български език и литература, Аз-буки, 2021, 6, DOI:<https://doi.org/10.53656/bel2021-6-7.bg/for> (индексирано в WoS, Q4)

ii10 Димитрова, М, Кръстева, Х., **Тодорова, Т.** Теория и практика в обучението по български език като чужд в свободноизбираема дисциплина „Български език за медицински цели“. Bulgarski Ezik i Literatura – Bulgarian Language and Literature, 64, 3, 2022, DOI:<https://doi.org/10.53656/bel2022-3-5-DK>, 292-306 (индексирано в WoS, Q4)