СПИСЪК НА НАУЧНИТЕ ТРУДОВЕ
НА ДОЦ. ДН ЛЮБЕН ИВАНОВ ЗАГОРЧЕВ

за участие в конкурс за заемане на академичната длъжност „професор" по 4.3. Биологически науки (Биохимия)

обявен в ДВ бр. 29/24.03.2026 г.

D. Публикации за участие в конкруса за академичната длъжност "професор" (17 публикации):

Хабилитационен труд – научни публикации:

D.1. Zagorcheva T., Teofanova D., Odjakova M., Li J., **Zagorchev L.** (2026) Pharmacological properties of parasitic plants: current evidence and the role of parasitic lifestyle. Plants (IF = 4.1; SJR = 0.89; Q1)

D.2. Lozanova, V.; Teofanova, D.; Chakarova, B.; Rusanov, K.; Pachedjieva, K.; Tosheva, A.; Zagorcheva, T.; **Zagorchev, L.** (2025) The Antioxidant Properties of Extracts of Cuscuta spp. Depend on the Parasite and the Host Species. Antioxidants, 14, 761. https://doi.org/10.3390/antiox14070761 (IF = 6.6; SJR = 1.484; Q1)

D.3. Chakarova B, **Zagorchev L**, Pachedjieva K, Tosheva A, Zagorcheva T, Rusanov K, Teofanova D. (2025) Analysis of Variations in the Flavonoid Profiles of *Cuscuta campestris* and *Cuscuta epithymum* in Bulgaria as a Potential Chemotaxonomical Marker. Plants, 14(8):1220; https://doi.org/10.3390/plants14081220; (IF = 4.1; SJR = 0.89; Q1)

D.4. Duan W., Shao W., Lin W., Yuan L., Lu Q., Chen L., **Zagorchev L.**, Li J. (2021) Integrated metabolomics and transcriptomics reveal the differences in fruit quality of the red and white *Fragaria pentaphylla* morphs. Food Bioscience. 60: p.100896 DOI: https://doi.org/10.1016/j.fbio.2021.100896 (IF = 5.318; SJR = 0.89; Q1)

Публикации в реферирани издания с IF или SJR:

D.5. **Zagorchev L.**, Marinova M., Albanova I., Zagorcheva T., Li J., Teofanova D. (accepted) Isoenzymatic profiles during early stages of haustoriogenesis within the genus *Cuscuta* are taxonomically dependent. Comptes rendus de l'Academie Bulgare des Sciences. (IF = 0.3; SJR = 0.18; Q3)

D.6. **Zagorchev L.**, Teofanova D., Radkova M., Iantcheva A., Revalska M. (2025) Abiotic stress response of Medicago truncatula plants, modified with gain and loss-of-function of

GRAS7 transcription factor. Comptes rendus de l'Academie Bulgare des Sciences. 78 (12) 1802-1809. https://doi.org/10.7546/CRABS.2025.12.07 (IF = 0.3; SJR = 0.18; Q3)

D.7. **Zagorchev L.**, Zagorcheva T., Teofanova D., Odjakova M. (2025) Methods of control of parasitic weeds of the genus *Cuscuta* - current status and future perspectives. Plants. 14, 2321. https://doi.org/10.3390/plants14152321 (IF = 4.1; SJR = 0.89; Q1)

D.8. Teofanova D., Pachedjieva K., Tosheva A., Marinova B., Savov S., Savov M., Zagorcheva T., **Zagorchev L.** (2025) Application of RAPD markers for *Cuscuta* species identification and biodiversity. PhytoKeys, 265, 1-12. DOI: 10.3897/phytokeys.265.152696 (IF = 1.5; SJR = 0.519; Q2)

D.9. Albanova I, **Zagorchev L**, Odjakova M, Marinov M, Teofanova D. (2025) A novel application of phage display technology for antibody selection, using alternating rounds of positive and negative selection. Comptes rendus de l'Academie Bulgare des Sciences. 78 (6) 846-853. https://doi.org/10.7546/CRABS.2025.06.07 (IF = 0.3; SJR = 0.18; Q3)

D.10. Savov, S., Marinova, B., Teofanova, D., Savov, M., Odjakova, M., & **Zagorchev, L.** (2024). Parasitic Plants—Potential Vectors of Phytopathogens. Pathogens, 13(6), 484; https://doi.org/10.3390/pathogens13060484; (IF = 3.3; SJR = 0.843; Q1)

D.11. Marinova B., Pachedjieva K., Tosheva A., Teofanova D., **Zagorchev L.** (2024) Potential role of DNA methylation and histone H3 acetylation in parasitism of *Cuscuta*. IOP Conf. Series: Earth and Environmental Science 1305, 012016. doi:10.1088/1755-1315/1305/1/012016 (SJR = 0.214)

D.12. Pan H., **Zagorchev L.**, Chen L., Tao Y., Cai C., Jiang M., Sun Z., Li J. (2023) Complete Chloroplast genomes of five *Cuscuta* species and their evolutionary significance in the *Cuscuta* genus. BMC Genomics. 24:310; https://doi.org/10.1186/s12864-023-09427-w (IF = 4.4; SJR = 1.047; Q1)

D.13. Albanova I., **Zagorchev L.**, Teofanova D., Odjakova M., Kutueva L., Ashapkin V. (2023) Host resistance to parasitic plants - current knowledge and future perspectives. Plants. 12(7), 1447; https://doi.org/10.3390/plants12071447 (IF = 4.5; SJR = 0.795; Q1)

D.14. Ashapkin V., Kutueva L., Aleksandrushkina N., Vanyushin B., Teofanova D., **Zagorchev L.** (2023) Genomic and epigenomic mechanisms of the interaction between parasitic and host plants. International Journal of Molecular Sciences. 24(3), 2647 (IF = 5.6; SJR = 1.179; Q1) https://doi.org/10.3390/ijms24032647

D.15. Dimov S., **Zagorchev L.**, Iliev M., Dekova T., Ilieva R., Kitanova M., Georgieva-Miteva D., Dimitrov M., Peykov S. (2021) A snapshot picture of the fungal composition of the bee bread in four locations in Bulgaria, differing in anthropogenic influence. Journal of Fungi 7, 845. https://doi.org/10.3390/jof7100845 (IF = 5.724; SJR = 0.98; Q1)

D.16. Dimov S., Gyurova A., **Zagorchev L.**, Dimitrov Ts., Georgieva D., Peykov S. (2021) NGS-Based Metagenomic Study of Four Traditional Bulgarian Green Cheeses from Tcherni Vit. LWT – Food Science and Technology 152. 112278 https://doi.org/10.1016/j.lwt.2021.112278 (IF = 6.056; SJR = 1.06; Q1)

D.17. Georgieva K., Teofanova D., **Zagorchev L.**, Abumhadi N., Odjakova, M. (2020) Comparative study on salt stress response of common wheat (*Triticum aestivum*: Poaceae) and related ancient cereal crops. Comptes rendus de l'Academie Bulgare des Sciences. 73 (1): 133-139. DOI:10.7546/CRABS.2020.01.17 (IF = 0.378; SJR = 0.218; Q2)

Luyben Zagorchev

Digitally signed by Luyben Zagorchev
Date: 2026.05.05 23:23:10 +03'00'