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**THE SCIENTIFIC ARTICLES SUBMITTED FOR PARTICIPATION IN THE
COMPETITION FOR THE ACADEMIC POSITION
"ASSOCIATE PROFESSOR"**

1. Stankova, I., K. Chuchkov, **K. Kostova**, L. Mukova, A. Galabov. 2009. Synthesis, antioxidative and antiviral activity of hydroxycinnamic acid amides of thiazole containing amino acid. *Amino acids*, 37 (2): 383-388. DOI:10.1007/s00726-008-0165-z. **IF₂₀₀₉=3.877, SJR₂₀₀₉=0.898; Q2.**
2. Dolashka-Angelova, P., L. Velkova, S. Shishkov, **K. Kostova**, A. Dolashki, I. Dimitrov, B. Atanasov, B. Devreese, W. Voelter, J. Van Beeumen. 2010. Glycan structures and antiviral effect of the structural subunit RvH2 of Rapana hemocyanin. *Carbohydr. Res.*, 345 (16): 2343-2347. DOI: 10.1016/j.carres.2010.08.005, **IF₂₀₁₀=2.025, SJR₂₀₁₀=0.73; Q2.**
3. Stankova, I., S. Shishkov, **K. Kostova**, A. Galabov. 2010. New Analogues of Acyclovir - Synthesis and biological activity. *Z. Naturforsch.*, 65: 29-33; **IF₂₀₁₀=0.714, SJR₂₀₁₀=0.397; Q2.**
4. **Kostova, K.**, Hinkov, A., Shishkov, S., Todorov, D., Dimitrova, M., Yordanova, Z., Kapchina-Toteva, V. 2011. Antiherpes Activities of Some Medical Plants from the *Lamiaceae*. *Antiviral Res.*, 90 (2): A56. DOI: 10.1016/j.antiviral.2011.03.106 **IF₂₀₁₁=4.301, SJR₂₀₁₁=1.616; Q1.**
5. Todorov, D., M. Dimitrova, **K. Shishkova**, J. Yordanova, V. Kapchina-Toteva, S. Shishkov. 2013. Comparative anti-herpes effects of the chloroform *in vitro* and *in vivo* extracts derived from *Lamium album* L. *Bulg. J. Agricultural Sci.*, 19 (2): 190-193. **SJR₂₀₁₃= 0.162; Q3.**
6. Todorov, D., A. Hinkov, **K. Shishkova**, S. Shishkov. 2014. Antiviral potential of Bulgarian medicinal plants. *Phytochem. Rev.*, 13 (2): 525-538. DOI: 10.1007/s11101-014-9357-1, **IF₂₀₁₄=2.894, SJR₂₀₁₄=0.923; Q1.**
7. Todorov, D., **K. Shishkova**, D. Dragolova, A. Hinkov, V. Kapchina-Toteva, S. Shishkov. 2015. Antiviral activity of medicinal plant *Nepeta nuda*. *Biotechnol. Biotechnol. Equipment*, 29 (Suppl. 1): 39-S43. DOI:10.1080/13102818.2015.1047215. **IF₂₀₁₅=0.379, SJR₂₀₁₅=0.173; Q4.**

8. Todorov, D., D. Pavlova, A. Hinkov, **K. Shishkova**, D. Dragolova, V. Kapchina-Toteva, S. Shishkov. 2015. Effect of *Teucrium chamaedrys* L. on Herpes simplex virus type 2. *Compt. rend. Acad. bulg. Sci.*, 68 (12): 1519-1526. **IF₂₀₁₅= 0.233, SJR₂₀₁₅=0.205; Q3.**
9. Angelova, P., A. Hinkov, V. Tsvetkov, **K. Shishkova**, D. Todorov, S. Shishkov. 2016. Inhibition of Human Herpes Virus Type 2 Replication by water Extract from *Nepeta nuda* L. *Acta Microbiologica Bulgarica*, 32 (2): 148-149. **SJR₂₀₂₁=0.14; Q4.**
10. Angelova, P., A. Hinkov, V. Tsvetkov, D. Todorov, **K. Shishkova**, D. Dragolova, S. Shishkov, V. Kapchina-Toteva. 2018. Antiherpes virus activity of extracts from *Artemisia chamaemelifolia* Vill. *Compt. rend. Acad. bulg. Sci.*, Vol 72, No11, pp.1475-1483. **IF₂₀₁₈=0.251; SJR₂₀₁₈=0.21; Q2.**
11. Hinkov A., P. Angelova, A. Marchev, Y. Hodzhev, V. Tsvetkov, D. Dragolova, D. Todorov, **K. Shishkova**, V. Kapchina-Toteva, R. Blundell, S. Shishkov, M. Georgiev. 2020. *Nepeta nuda ssp. nuda* L. water extract: Inhibition of replication of some strains of Human Alpha herpes virus (genus Simplex virus) in vitro, mode of action and NMR-based metabolomics, *Journal of Herbal Medicine* (2020), doi: <https://doi.org/10.1016/j.hermed.2020.100334>. **IF₂₀₂₀=1.554, SJR₂₀₂₀=0.483; Q2.**
12. Chuchkov K., R. Chayrov , A. Hinkov, D. Todorov, **K. Shishkova**, I. G. Stankova. 2020. Modifications on the heterocyclic base of ganciclovir, penciclovir, acyclovir - syntheses and antiviral properties, *Nucleosides, Nucleotides & Nucleic Acids*, 39:7, 979-990, DOI: [10.1080/15257770.2020.1725043](https://doi.org/10.1080/15257770.2020.1725043). **IF₂₀₂₀=1.381, SJR₂₀₂₀=0.27; Q3.**
13. Tsvetkov, V., A. Hinkov, D. Todorov, E. Benova, I. Tsonev, T. Bogdanov, S. Shishkov & **K. Shishkova**. 2020. Effect of Plasma-Activated Medium and Water on Replication and Extracellular Virions of Herpes Simplex Virus-1. *Plasma medicine*, 10, 1, 15-26. DOI: [10.1615/PlasmaMed.2020033626](https://doi.org/10.1615/PlasmaMed.2020033626). **SJR₂₀₂₀=0.228; Q3.**
14. Tsvetkov, V., D. Todorov, A. Hinkov, **K. Shishkova**, L. Velkova, A. Dolashki, P. Dolashka, S. Shishkov. 2021. Effect of extracts of some species from Phylum Mollusca against the replication of Human Alphaherpesviruses. *Bulgarian Chemical Communications*, 53, Special Issue-A, 66–72. **IF₂₀₂₁=1.554, SJR₂₀₂₁=0.168; Q4.**
15. **Shishkova, K.**, I. Tsekov, R. Popov, S. Shishkov, and Z. Kalvatchev. 2022. Research of the Genetic Diversity of TT Viruses in Bulgaria. *Compt. rend. Acad. bulg. Sci.*, 75, 11, 1680–1686. **IF₂₀₂₂=0.3; SJR₂₀₂₂=0,182; Q3.**
16. Petrova, D., U. Gašić, L. Yocheva, A. Hinkov, Z. Yordanova, G. Chaneva , D. Mantovska, M. Paunov, L. Ivanova, M. Rogova, **K. Shishkova**, D. Todorov, A. Tosheva, V. Kapchina-Toteva, V. Vassileva, A. Atanassov, D. Mišić, G. Bonchev and M. Zhiponova. 2022.

Catmint (Nepeta nuda L.) Phylogenetics and Metabolic Responses in Variable Growth Conditions. *Front. Plant Sci.* 13:866777. <https://doi.org/10.3389/fpls.2022.866777>. **IF₂₀₂₂=6.627, SJR₂₀₂₂=1.231; Q1.**

17. Todorov, D., V. Tsvetkov, A. Hinkov, **K. Shishkova**, S. Shishkov, D. Pavlova, & D. Mantovska. 2022. Effect of the soil type over the antiherpes activities of *Teucrium chamaedrys*. *Fresenius environmental bulletin*, 31(9), 9831-9838. **IF₂₀₂₂=0,482, SJR₂₀₂₀=0.182; Q4.**

18. Hoxha, R.; Todorov, D.; Hinkov, A.; **Shishkova, K.**; Evstatieva, Y.; Nikolova, D. In Vitro Screening of Antiviral Activity of Lactic Acid Bacteria Isolated from Traditional Fermented Foods. *Microbiol. Res.* 2023, 14, 333–342. <https://doi.org/10.3390/microbiolres14010026> **IF₂₀₂₂=1.5, SJR₂₀₁₉=0.113, Q4.**

19. Shkondrov, A., A. Hinkov, V. Cvetkov, **K. Shishkova**, D. Todorov, S. Shishkov, I. Stambolov, K. Yoncheva & I. Krasteva. 2023. *Astragalus glycyphyllos* L.: antiviral activity and tablet dosage formulation of a standardized dry extract. *Biotechnology & Biotechnological Equipment*, VOL. 37, NO. 1, 2221752, <https://doi.org/10.1080/13102818.2023.2221752>. **IF₂₀₂₂=1,762, SJR₂₀₂₂=0.317; Q3.**

20. **Shishkova, K.**, R. Gergova, E. Tasheva, S. Shishkov, I. Sirakov. 2023. Molecular Screening for High-Risk Human Papillomaviruses in Patients with Periodontitis. *Viruses*, 15, 809. <https://doi.org/10.3390/v15030809> . **IF₂₀₂₁ = 5.818, SJR₂₀₂₂=1.29, Q1.**

21. **Shishkova, K.**, Stoymirska, A., Chayrov, R.; Shishkov, S., Sbirikova-Dimitrova, H., Rusew, R., Shivachev, B., Stankova, I. 2023. Amantadine and Rimantadine Analogues—Single-Crystal Analysis and Anti-Coronaviral Activity. *Crystals*, 13, 1374. <https://doi.org/10.3390/cryst13091374>. **IF₂₀₂₂=2.67, SJR₂₀₂₂=0,458, Q2.**