Списък с публикации, полезни модели и глави от колективни монографии на д-р Людмила Велкова, доцент в лаб. ХБПЕ, ИОХЦФ-БАН, участващи в конкурса по група от показатели Г

(съгласно *Приложение 1* от Правилника за условията и реда за придобиване на научни степени и за заемане на академични длъжности в ИОХЦФ-БАН), които не са представени в предишни процедури

Г1. Vassilev, N. G., Simova, S., Dangalov, M.**, Velkova, L.**, Atanasov, V., Dolashki, A., Dolashka, P. An ^{1}H NMR and MS based study of metabolomics profiling of garden Snail *Helix aspersa* mucus. *Metabolites* **2020**, 10(9), 360-374.

(SJR 0.881, **JCR-IF$_{2020}$ – 4.097**, **Q2)**

https://doi.org/10.3390/metabo10090360

Г2. Georgieva, A., Todorova, K., Iliev, I., Dilcheva, V., Vladov, I., Petkova, S., Toshkova, R., **Velkova, L.**, Dolashki, A., Dolashka, P. Hemocyanins from *Helix* and *Rapana* snails exhibit *in vitro* antitumor effects in human Colorectal adenocarcinoma. *Biomedicines* **2020**, 8(7), 194-207.

(SJR:1.51, **JCR-IF$_{2020}$ – 4.717**, **Q1)**

https://doi.org/10.3390/biomedicines8070194

Г3. Ilieva, N., Petkov, P., Lilkova, E., Lazarova, T., Dolashki, A., **Velkova, L.**, Dolashka, P., Litov, L. *In silico* study on the structure of novel natural bioactive peptides. Lecture Notes in Computer Science (LNCS), Springer Verlag **2020**, *11958*, 332-339.

(SJR: 0.43, **JCR-IF$_{2020}$ – 1.053**, **Q2)**

https://link.springer.com/chapter/10.1007/978-3-030-41032-2_38

Г4. Alexandrova, A., Petrov, L., **Velkova, L.,** Dolashki, A., Tsvetanova, E., Georgieva, A., Dolashka, P. Antioxidant activity of fractions isolated from hemolymph of garden snail *Helix lucorum*. *Journal of Pharmacy & Pharmacognosy Research* **2021**, *9*(2), 143-152.

(SJR:0.29, **JCR-IF$_{2021}$ – 1.37**, **Q2)**

https://doi.org/10.56499/jppres20.935_9.2.143

Г5. Idakieva, K.**,** Todinova**,** S., Dolashki, A., **Velkova, L.,** Raynova, Y.**,** Dolashka, P. Biophysical characterization of the structural stability of *Helix lucorum* hemocyanin. *Biotechnology & Biotechnological Equipment* **2021**, *35*(1), 18-28.

(SJR:0.42, **JCR-IF$_{2021}$ – 1.762**, **Q3)**

https://doi.org/10.1080/13102818.2020.1837010

Г6. Daskalova, A**.,** Petrova, V., **Velkova, L.,** Kujumdzieva, A., Tomova, A., Voelter, W., Dolashka, P. Investigation of protein expression of *Saccharomyces cerevisiae* cells in quiescent and proliferating state before and after toxic stress. *Biotechnology & Biotechnological Equipment* **2021**, *35*(1), 366-376.

(SJR:0.42, **JCR-IF$_{2021}$ – 1.762**, **Q3)**

https://doi.org/10.1080/13102818.2021.1879677

Г7. Daskalova, A.V., Tomova, A.A., Kujumdzieva, A.V., **Velkova, L.G.,** Dolashka, P. A**.,** Petrova, V.Y. Menadione and hydrogen peroxide trigger specific alterations in RNA polymerases profiles in quiescent Saccharomyces cerevisiae cells. *Biotechnology and Biotechnological Equipment* **2021**, 35(1), 1190-1199**.**

(SJR:0.42, **JCR-IF$_{2021}$ – 1.762**, **Q3)**

https://doi.org/10.1080/13102818.2021.1941255

Г8. **Velkova, L.,** Daskalova, A**.,** Dolashki, A., Dolashka, P., Vassilev, T. Immunomodulating potential of IgG antibodies with induced polyspecificity. *Comptes Rendus de L'Academie Bulgare des Sciences* **2021**, *74*(10), 1488-1492.

(SJR:0.24, **JCR-IF$_{2021}$ – 0.378**, **Q3)**

http://www.proceedings.bas.bg/DOI/doi2021_a_08.html

Г9 Vassilev, N., Simova, S., Dangalov, M., **Velkova, L*.,** Atanassov, V., Dolashki, A., Dolashka, P. An ^{1}H NMR and MS Based Study of Metabolomics Profiling of Garden Snail *Helix lucorum* Hemolymph. *Bulgarian Chemical Communications* **2021**, *53*A, 49-56.

(SJR:0.179, JCR-IF$_{2021}$ – 0.398, Q4)

http://www.bcc.bas.bg/BCC_Volumes/Volume_53_Special_A_2021/BCC2021-53-SI-A-049-056.pdf

Г10. Aleksova, M., **Velkova, L.**, Dolashka, P., Radeva, G. Antibacterial activity of bioactive fractions from mucus and hemolymph of different snails species and crab. *Bulgarian Chemical Communications* **2021**, *53*A, 022-026.

(SJR:0.18, JCR-IF$_{2021}$ – 0.398, Q4)

http://bcc.bas.bg/BCC_Volumes/Volume_53_Special_A_2021/BCC2021-53-SI-A-022-026.pdf

Г11. Krumova, E., Dolashka, P**.**, Abrashev, R., **Velkova, L.,** Dolashki, A., Daskalova, A**.**, Dishliyska, V., Atanasov, V., Kaynarov, D., Angelova, M. Antifungal activity of separated fractions from the hemolymph of marine snail *Rapana venosa*. *Bulgarian Chemical Communications* **2021**, *53*A, 042-048.

(SJR: 0.18, JCR-IF$_{2021}$ – 0.398, Q4)

http://www.bcc.bas.bg/BCC_Volumes/Volume_53_Special_A_2021/BCC2021-53-SI-A-042-048.pdf

Г12. Topalova, Y., Belouhova, M., **Velkova, L.**, Dolashki, A., Zheleva, N., Daskalova, E., Kaynarov, D., Dolashka, P. Effect and mechanisms of antibacterial peptide fraction from mucus of *Cornu aspersum* against *Escherichia coli* NBIMCC 8785. *Biomedicines* **2022**, *10*(3), 672.

(SJR:0.87, JCR-IF$_{2022}$ – 4.65, Q1)

https://doi.org/10.3390/biomedicines10030672

Г13. Belouhova, M., Daskalova, E., Yotinov, I., Topalova, Y., **Velkova, L.**, Dolashki, A., Dolashka, P. Microbial diversity of garden snail mucus. *MicrobiologyOpen* **2022**, *11*(1), e1263.

(SJR: 0.84, JCR-IF$_{2022}$ – 3.904, Q2)

https://doi.org/10.1002/mbo3.1263

Г14. Nikolova, M., Konstantinov, S., **Velkova, L.**, Kaynarov, D., Dolashki, A., Dolashka, P**.** Antitumour activity of different bioactive compounds from hemolymph and mucus of mollusca against human urinary bladder cancer cell lines. *Comptes Rendus de L'Academie Bulgare des Sciences* **2022**, *75*(5), 726-736.

(SJR:0.19, JCR-IF$_{2022}$ – 0.373, Q3)

https://doi.org/10.7546/CRABS.2022.05.13

Г15. Petrov, L., Kachaunov, M., Alexandrova, A., Tsvetanova, E., Georgieva, A., Dolashki, A., **Velkova, L.,** Dolashka, P. Snail mucus protective effect on ethanol-induced gastric ulcers in mice. *Life* (MDPI) **2022**, *12*(8), 1106.

(SJR: 0.634, JCR-IF$_{2022}$ – 3.269, Q2)

https://doi.org/10.3390/life12081106

Г16. Tancheva, L., Lazarova, M., **Velkova, L.**, Dolashki, A., Uzunova, D., Minchev, B., Petkova-Kirova, P., Hassanova, Y., Gavrilova, P., Tasheva, K., Taseva, T., Hodzhev, Y., Atanasov, A. G., Stefanova, M., Alexandrova, A., Tzvetanova, E., Atanasov, V**.**, Kalfin, R., Dolashka, P**.** Beneficial Effects of Snail *Helix aspersa* Extract in an Experimental Model of Alzheimer's Type Dementia. *Journal of Alzheimer's Disease* **2022**, *88*(1), 155-175.

(SJR:1.23, JCR-IF$_{2022}$ – 4.819, Q1)

https://journals.sagepub.com/doi/full/10.3233/JAD-215693

Г17. Daskalova, E., Zheleva, N., Belouhova M., Topalova Y., **Velkova, L.,** Dolashki, A., Dolashka P. Antibacterial activity of combined nanodiamonds and snail fractions with biocompounds with Mw below 10 kDa and above 30 kDa. *Comptes Rendus de L'Academie Bulgare des Sciences* **2023**, *76*(1), 35–43.

(SJR 0.18, JCR-IF$_{2023}$ – 0.3, Q3)

https://doi.org/10.7546/CRABS.2023.01.04

Г18. Petrova, M., Vlahova, Z., Schröder, M., Tzintzarov, A., **Velkova L.,** Kaynarov, D., Dolashki, A., Dolashka, P**.**, Ugrinova, I. Anti-tumour activity of bioactive compounds isolated from the hemolymph

and mucus of the garden snail *Helix aspersa* against a panel of human cancer cell lines. *Comptes Rendus de L'Academie Bulgare des Sciences* **2023**, *76*(9), 1350–1359.

(SJR: 0.18, **JCR-IF$_{2023}$ – 0.3**, **Q3)**

https://doi.org/10.7546/CRABS.2023.09.05

Г19. Kirilova, M., Topalova, Y., **Velkova, L*.,** Dolashki, A., Kaynarov, D., Daskalova, E., Zheleva, N. Antibacterial Action of Protein Fraction Isolated from *Rapana venosa* Hemolymph against *Escherichia coli* NBIMCC 8785. *Pharmaceuticals (Basel)* **2024**, *17*(1), 68.

(SJR 0.8, **JCR-IF$_{2023}$ – 4.3**, **Q1)**

https://doi.org/10.3390/ph17010068

Г20. Armenova, N., Petrova, P., Gerginova, M., Krumova, E., Kaynarov, D., **Velkova, L**., Dolashka, P., Petrov, K. Bacillus velezensis R22 inhibits the growth of multiple fungal phytopathogens by producing surfactin and four fengycin homologues. *Biotechnology and Biotechnological Equipment* **2024**, *38*, art.no 2313072.

(SJR 0.33, **JCR- IF$_{2023}$ – 1.5**, **Q3)**

https://doi.org/10.1080/13102818.2024.2313072

Г21. Alexandrova, A., Petrov, L., Tsvetanova, E., Georgieva, A., **Velkova, L.**, Atanasov, V., Dolashki, A., Dolashka, P., Mileva, M. Isolation, identification and redox-modulation capacity of hemolymph's subunits from *Rapana venosa* inhabiting the Bulgarian Black sea. *Farmacia* **2024**, *72*(4), 917-923.

(SJR: 0.25, **JCR-IF$_{2022}$ – 1.2**, **Q2)**

https://doi.org/10.31925/farmacia.2024.4.20

Г22. **Velkova, L.**, Abrashev, R., Miteva-Staleva, J., Dishliyska, V., Dolashki, A., Spasova, B., Dolashka, P., Angelova, M., Krumova, E. The Role of Oxidative Stress in Antifungal Activity of Two Mollusc Fractions on Resistant Fungal Strains. *Int. J. Mol. Sci*. **2025**, *26*(3), 985.

(SJR:1.18, **JCR-IF$_{2024}$ – 4.9**, **Q1)**

https://doi.org/10.3390/ijms26030985