

**Zoznam publikácií vytvorených v rámci projektu
Modifikované (nano)textilné materiály pre zdravotnícke technológie (MODEX)
v 3. následnom monitorovanom období 9/2022 - 9/2023**

1. Molcan, M., Safarik, I., Prochazkova, J., Kopcansky, P., Timko, M., Skumiel, A.; The impact of alternating and rotating regimes on the heating characteristics of magnetic bacterial cellulose structure, (2022) Journal of Magnetism and Magnetic Materials, 563, art. no. 170015 (podiel: 20%)
2. Gombos, J., Balejcikova, L., Kopcansky, P., Batkova, M., Siposova, K., Kovac, J., Zolocheska, K., Safarik, I., Lokajova, A., Garamus, V.M., Dobrota, D., Strbak, O.; Destruction of Lysozyme Amyloid Fibrils Induced by Magnetoferritin and Reconstructed Ferritin, (2022), International Journal of Molecular Sciences, 23(22), 13926 (podiel: 20%)
3. Kopcansky, P., Balejcikova, L., Molcan, M., Strbak, O., Safarik, I., Baldikova, E., Prochazkova, J., Angelova, R., Pospiskova, K.Z., Rajnak, M., Paulovicova, K., Karpets, M., Timko, M., Tomasovicova, N., Zakutanska, K., Lackova, V., Bury, P.: Magnetic Nanoparticles Change the Properties of Traditional Materials and Open up New Application Possibilities, 2023, Book Chapter: Material Aspects of Ferrofluids, pp. 214-249. (podiel: 10%)
4. Rajňák, M., Dolník, B., Paulovičová, K., Cimbala, R., Kopčanský, P., Timko, M., Parekh, K., Upadhyay, R.V.: Dielectric spectrum of a ferrofluid layer exposed to a gradient magnetic field (2023) Journal of Chemical Physics, 158 (20), art. no. 204901 (podiel: 20%)
5. Bury, P., Veveričík, M., Černobila, F., Tomašovičová, N., Zakutanská, K., Timko, M., Miakota, D., Kopčanský, P.: Surface acoustic wave investigation of magnetic nanoparticle size and concentration effect on liquid crystal behavior (2023) Journal of the Acoustical Society of America, 153 (6), pp. 3292-3300 (podiel: 20%)
6. Garbovskiy, Y.A., Kopčanský, P., Kovalchuk, O.V., Kovalchuk, T.M., Volokh, L.V.: Peculiarities of the effect of different types of SOR nanoimpurities on the value of ionic component of the electrical conductivity of the homeotropically aligned nematic liquid crystal 6 CB (2023) Semiconductor Physics, Quantum Electronics and Optoelectronics, 26 (2), pp. 173-179 (podiel: 20%)
7. Kosiachkin, Y., Bulavin, L.A., Kopcansky, P.: Development of Neutron Reflectometry of Surface Layers of Liquid Systems (2023) Ukrainian Journal of Physics, 68 (4), pp. 259-265. (podiel: 20%)
8. Zabashta, Yu.F., Kovalchuk, V.I., Kopčanský, P., Safarik, I., Lazarenko, M.M., Vergun, L.Yu., Bulavin, L.A.: Structural Features of Lamellar-Chain Hydrogels (2023) Ukrainian Journal of Physics, 68(8), pp. 536-542 (podiel: 20%)
9. Józefczak, A.; Kaczmarek, K.; Bielas, R.; Procházková, J.; Šafařík, I. Magneto-Responsive Textiles for Non-Invasive Heating. Int. J. Mol. Sci. 2023, 24, 11744 (podiel: 20%)
10. A. Juríková, I. Antal, I. Khmara, M. Koneracka, M. Kubovcikova, V. Závišová: Optimalization of magnetic nanoparticles modifications for biomedical applications, Book of Abstracts – 16 th International Conference on Magnetic Fluids, Granada, Spain, 2023, PP-PS2-12, s. 190 (podiel: 20%)