Приложение 1 **Правилник на ИОХЦФ**

Показател „Г“ **чл. 36 (3) т. 12**

СПИСЪК С НАУЧНИ ПУБЛИКАЦИИ,

участващи в конкурса по група от показатели „Г“ (съгласно Прил. 1), които не повтарят представените по други конкурси за заемане на акад. длъжности и придобиване на научни степени

Публикации в издания Q1:

6) Szegedi, A., Popova, M., Trendafilova, I., Trif, L., Mihály, J., Makk, J., Mavrodinova, V.. *Bicomponent drug formulation for simultaneous release of Ag and sulfadiazine supported on nanosized zeolite Beta*. Nano-Structures & Nano-Objects, 24, **2020,** 100562, https://doi.org/10.1016/j.nanoso.2020.100562

7) Popova,M., Mihaylova,R., Momekov,G., Momekova,D., Lazarova, H, Trendafilova,I., Mitova,V., Koseva,N., Mihályi,J., Shestakova,P., St. Petkov,P., Aleksandrov,H.A., Vayssilov,Georgi N., Konstantinov,S., Szegedi,Á.. *Verapamil delivery systems on the basis of mesoporous ZSM-5/KIT-6 and ZSM-5/SBA-15 polymer nanocomposites as a potential tool to overcome MDR in cancer cells*. European Journal of Pharmaceutics and Biopharmaceutics, 142, **2019**, 460-472, https://doi.org/10.1016/j.ejpb.2019.07.021

8) Szegedi, A., Trendafilova, I., Mihály, J., Lázár, K., Németh, P., Momekov, G., Momekova, D., Marinov, L., Nikolova, I., Popova, M.. *New insight on prednisolone polymorphs in mesoporous silica/maghemite nanocomposites*. Journal of Drug Delivery Science and Technology, 60, **2020**, 102092, https://doi.org/10.1016/j.jddst.2020.102092

9) Popova, M., Koseva, N., Trendafilova, I., Lazarova, H., Mitova, V., Mihály, J., Momekova, D., Momekov, G., Koleva, I., Aleksandrov, H., Vayssilov, G., Szegedi , A.. *Tamoxifen Delivery System Based on PEGylated Magnetic MCM-41 Silica*. Molecules, 25, 21, **2020**, 5129, https://doi.org/10.3390/molecules25215129

10) Popova, M., Koseva, N., Trendafilova, I., Lazarova, H., Mitova, V., Mihály, J., Momekova, D., Konstantinov, S., Koleva, I., Petkov, P., Vayssilov, G., Aleksandrov, H., Szegedi, A.. *Design of PEG-modified magnetic nanoporous silica based miltefosine delivery system: Experimental and theoretical approaches*. Microporous and Mesoporous Materials, 310, **2021**, 110664, https://doi.org/10.1016/j.micromeso.2020.110664

11) Grozdanova, S., Trendafilova, I., Szegedi, A., Shestakova, P., Mitrev, Y., Slavchev, I., Simeonov, S., Popova, M.. Mesoporous Silica Xerogels Prepared by p-toluenesulfonic AcidAssisted Synthesis: Piperazine-Modification and CO2 Adsorption. Nanomaterials, 15, 19, **2025**, 20794991, https://doi.org/10.3390/nano15191459

12) Trendafilova, I., Popova, M.. *Porous Silica Nanomaterials as Carriers of Biologically Active Natural Polyphenols: Effect of Structure and Surface Modification*. Pharmaceutics, 16, 8, **2024,** 1004, https://doi.org/10.3390/pharmaceutics16081004

Публикации в издания Q2:

13) Szegedi, A., Shestakova, P., Trendafilova, I., Mihayi, J., Tsacheva, I., Mitova, V., Kyulavska, M., Koseva, N., Momekova, D., Konstantinov, S., Aleksandrov, H. A., Petkov, P. St., Koleva, I. Z., Vayssilov, G. N., Popova, M.. *Modified mesoporous silica nanoparticles coated by polymer complex as novel curcumin delivery carriers*. Journal of Drug Delivery Science and Technology, 49, Elsevier, **2019**, 700-712, https://doi.org/10.1016/j.jddst.2018.12.016

Публикации в издания Q3:

14) Trendafilova, I., Momekova, D., Koseva, N., Popova, M.. *Magnetic porous silica-lipid bilayer hybrid carriers for target delivery of curcumin*. Comptes rendus de l'Acad´emie bulgare des Sciences, 75, 10, **2022**, 1437, https://doi.org/10.7546/CRABS.2022.10.05

Публикации в издания Q4:

15) Trendafilova, I., Popova, M., Momekova, D., Szegedi, A., Momekov, G., Zgureva, D., Boycheva, S.. *Silver and quercetin loaded nanostructured silica materials as potential dermal formulations*. Bulgarian Chemical Communications, 49, **2017**, 51-58, https://www.bcc.bas.bg/BCC_Volumes/Volume_49_Special_F_2017/BCC-F-IT-51-58.pdf

16) Popova, M., Trendafilova, I., Tsacheva, I., Georgieva, N., Koseva, N., Szegedi, A., Mihály, J., Novak-Tusar, N.. *Preparation of quercetin delivery systems on the basis of amino-modified KIL-2 mesoporous silica*. Bulgarian Chemical Communications, 50, Special Issue C, **2018**, 190-194, https://bcc.bas.bg/BCC_Volumes/Volume_50_Special_C_2018/pdf/BCC-50-C2018-190-194-Popova-54.pdf