

## ПРИЛОЖЕНИЕ 2

# СПИСЪК С ПУБЛИКАЦИИ СЛЕД ПРИДОБИВАНЕ НА АКАДЕМИЧНА ДЛЪЖНОСТ *ДОЦЕНТ*

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ПРЕДСТАВЕНИ ЗА УЧАСТИЕ В КОНКУРС ЗА ЗАЕМАНЕ НА АКАДЕМИЧНА ДЛЪЖНОСТ ПРОФЕСОР  
В ОБЛАСТ НА ВИШЕТО ОБРАЗОВАНИЕ 4. ПРИРОДНИ НАУКИ, МАТЕМАТИКА И ИНФОРМАТИКА,  
ПРОФЕСИОНАЛНО НАПРАВЛЕНИЕ 4.2. ХИМИЧЕСКИ НАУКИ, ПО НАУЧНА СПЕЦИАЛНОСТ  
„БИООРГАНИЧНА ХИМИЯ, ХИМИЯ НА ПРИРОДНИТЕ И ФИЗИОЛОГИЧНО АКТИВНИТЕ  
ВЕЩЕСТВА“, КЪМ КАТЕДРА „ФАРМАКОЛОГИЯ, ФИЗИОЛОГИЯ НА ЖИВОТНИТЕ, БИОХИМИЯ И  
ХИМИЯ“, ВЕТЕРИНАРНОМЕДИЦИНСКИ ФАКУЛТЕТ, ТРАКИЙСКИ УНИВЕРСИТЕТ,  
ОБЯВЕН В ДВ БР.30/15.04.2022 Г.

### 1. ДИСЕРТАЦИОНЕН ТРУД ЗА ПРИСЪЖДАНЕ НА ОБРАЗОВАТЕЛНА И НАУЧНА СТЕПЕН „ДОКТОР“

**A1. Янева, З.**, 2009. Адсорбция на нитрофеноли върху природни и отпадъчни материали от водна среда, Автореферат на дисертация за присъждане на образователна и научна степен „Доктор“, Химикотехнологичен и металургичен университет, 44 стр.

### 2. ХАБИЛИТАЦИОНЕН ТРУД – НАУЧНИ ПУБЛИКАЦИИ В ИЗДАНИЯ, КОИТО СА РЕФЕРИРАНИ И ИНДЕКСИРАНИ В СВЕТОВНОИЗВЕСТНИ БАЗИ ДАННИ С НАУЧНА ИНФОРМАЦИЯ (WEB OF SCIENCE И SCOPUS) (ПОКАЗАТЕЛ В)

**B1. Yaneva, Z.**, Simeonov, E., Rusenova, N., Ivanova, D., Nikolova, G., Karamalakova, Y., Chilev, C., Beev, G. 2022. Flavonoids extraction kinetics, antimicrobial activity and radical scavenging potential of Bulgarian woundwort (*Solidago virgaurea* L.). *Separations*, **9**(2), 27. <https://doi.org/10.3390/separations9020027> (IF<sub>2020</sub> = 2.777; Scimago Q2; Web of Science Q3)

**B2. Yaneva, Z.**, Ivanova, D., Beev, G., Besheva, K., 2021. Quantification of catechin in Acacia catechu extract by non-derivative, first derivative UV/Vis spectrophotometry and FT-IR spectroscopy. *Bulgarian Chemical Communications*, **52**, 41–47. <https://www.scopus.com/record/display.uri?eid=2-s2.0-85100492199&origin=resultslist&sort=plf->

- [f&featureToggles=FEATURE\\_NEW\\_DOC\\_DETAILS\\_EXPORT:1](#) (SJR<sub>2020</sub> = 0.179; Scimago Q4)
- B3.** Simeonov, E., Yaneva, Z., Chilev, Ch. 2018. Kinetics of green solid-liquid extraction of useful compounds from plant materials - kinetics coefficients and modelling. *Green Processing and Synthesis*, 7(1), 68-73. <https://doi.org/10.1515/gps-2016-0179> (IF<sub>2018</sub> = 1.128; Scimago Q2; Web of Science Q3)
- B4.** Yaneva, Z., Ivanova, D., Popov, N. 2021. Clinoptilolite microparticles as carriers of catechin-rich *Acacia catechu* extracts: Microencapsulation and *in vitro* release study. *Molecules*, 26(6), 1655. <https://doi.org/10.3390/molecules26061655> (IF<sub>2020</sub> = 4.412; Scimago Q1; Web of Science Q2)
- B5.** Yaneva, Z., Georgieva, N., Pavlov, A. 2016. Low-temperature plasma-modified zeolite vs. natural Bulgarian zeolite - comparative physicochemical, spectrophotometric and Fourier Transform Infrared Spectroscopy studies. *Macedonian Journal of Chemistry and Chemical Engineering*, 35(1), 97–105. <http://dx.doi.org/10.20450/mjce.2016.850> (IF<sub>2016</sub> = 0.612; Scimago Q3; Web of Science Q4)
- B6.** Yaneva, Z., Georgieva, N., Staleva, M. 2016. Development of D,L- $\alpha$ -tocopherol acetate/zeolite carrier system: equilibrium study. *Monatshefte fur Chemie*, 147(7), 1167–1175. <https://doi.org/10.1007/s00706-016-1714-x> (IF<sub>2016</sub> = 1.282; Scimago Q2; Web of Science Q3)
- B7.** Yaneva, Z.L., Georgieva, N.V., Bekirska, L.L., Lavrova, S. 2018. Drug mass transfer mechanism, thermodynamics, and *in vitro* release kinetics of antioxidant-encapsulated zeolite microparticles as a drug carrier system. *Chemical and Biochemical Engineering Quarterly*, 2018, 32(3), 281–298. <https://doi.org/10.15255/CABEQ.2018.1319> (IF<sub>2018</sub> = 0.859; Scimago Q2; Web of Science Q3)
- B8.** Yaneva, Z.L. 2019. Nonsteroidal anti-inflammatory drug solid-state microencapsulation on green activated carbon – Mass transfer and host-guest interactions. *Chemical and Biochemical Engineering Quarterly*, 33(2), 249–269. <https://doi.org/10.15255/CABEQ.2019.1656> (IF<sub>2019</sub> = 0.960; Scimago Q3; Web of Science Q3)
- B9.** Yaneva, Z.L., E. B. Simeonov, D. G. Ivanova, 2020. *In vitro* Ultraviolet-B radiation mediated antioxidant response of Bulgarian Goldenrod (*Solidago virgaurea* L.) extract, *Bulgarian Chemical Communications*, Special Issue D, 52. <https://www.scopus.com/record/display.uri?eid=2-s2.0-85096896293&origin=resultslist&sort=plf->

[f&featureToggles=FEATURE\\_NEW\\_DOC\\_DETAILS\\_EXPORT:1](#) (SJR<sub>2020</sub> = 0.180; Scimago Q4)

**B10.** Nikolova, N., Ivanova, D., **Yaneva, Z.** 2022. In Vivo radioprotective potential of newly synthesized azomethine and styrylquinoline derivatives and a natural polyphenol: A preliminary study. *Life*, **12**(3), 346. <https://doi.org/10.3390/life12030346> (IF<sub>2020</sub> = 3.817; Scimago Q1; Web of Science Q2)

### 3. СПИСЪК НА НАУЧНИТЕ ПУБЛИКАЦИИ В ИЗДАНИЯ, КОИТО СА РЕФЕРИРАНИ И ИНДЕКСИРАНИ В СВЕТОВНОИЗВЕСТНИ БАЗИ ДАННИ С НАУЧНА ИНФОРМАЦИЯ (WEB OF SCIENCE И SCOPUS), ИЗВЪН ХАБИЛИТАЦИОННИЯ ТРУД (ПОКАЗАТЕЛ Г)

**Г1.** **Yaneva, Z.**, Georgieva, N. 2014. Study on the physical chemistry, equilibrium, and kinetic mechanism of Azure A biosorption by *Zea mays* biomass. *Journal of Dispersion Science and Technology*, **35**(2), 193–204. <https://doi.org/10.1080/01932691.2013.780242> (IF<sub>2014</sub> = 0.85; Scimago Q2; Web of Science Q4)

**Г2.** Georgieva, N., **Yaneva, Z.**, Dermendzhieva, D. 2017. Sorption equilibrium, thermodynamics and pH-indicator properties of cresyl violet dye/bentonite composite system. *Water Science and Technology*, **76**(5), 1065-1080. (IF<sub>2017</sub> = 1.247; Scimago Q2; Web of Science Q3)

**Г3.** Georgieva, N.V., **Yaneva, Z.L.** 2017. Development of sensitive analytical (RP-HPLC-PDA, UV/VIS) method for the determination of n-isonicotinoyl-n'-(2-fluorobenzal)hydrazone in aqueous phase. *Pharmaceutical Chemistry Journal*, **51**(3), 239–244. (IF<sub>2017</sub> = 0.436; Scimago Q3; Web of Science Q4)

**Г4.** Ivanova, D., Yaneva, Z., Lazarova, D. 2020. Investigation of anti-proliferative effects of natural products quercetin hydrate and catechin hydrate on leukemia lymphocytes. *Revista de Chimie*, **71**(11), 87–93. <https://doi.org/10.37358/RC.20.11.8377> (SJR = 0.253, Scimago Q2)

**Г5.** **Yaneva, Z.**, Georgieva, N. 2017. A sensitive analytical (RP-HPLC-PDA, UV/VIS) method for the determination of newly synthesized N-isonicotinoyl-N'-(3-fluorobenzal)hydrazone (SH2) in aqueous phase. *Studia Universitatis Babes-Bolyai Chemia*, **62**, 199–211. doi:10.24193/subbchem.2017.2.15 (IF<sub>2017</sub> = 0.305; Scimago Q4; Web of Science Q4)

**Г6.** Georgieva, N., **Yaneva, Z.**, Nikolova, N. 2017. Direct Red 28 adsorption on Amosil and *Avena sativa* L.: Mass transfer and kinetics modelling on the solid/solution interface.

- Journal of Solution Chemistry*, **46**(9-10), 1723–1740. doi: 10.1007/s10953-017-0633-8 (IF<sub>2017</sub> = 1.401; Scimago Q3; Web of Science Q4)
- Г7.** Simeonov, E., **Yaneva, Z.**, Chilev, C. 2017. Investigation of the mechanism and kinetics of extraction from plant materials. *Bulgarian Chemical Communications*, **49**(2), 399-409. <https://www.webofscience.com/wos/woscc/full-record/WOS:000404947100015> (IF<sub>2017</sub> = 0.242; Scimago Q4; Web of Science Q4)
- Г8.** Lavrova-Popova, S.I., **Yaneva, Z.L.**, Hlebarov, G.I., Koumanova, B.K. 2018. Study on copper ions adsorption from aqueous solution by Emeraldine. *Bulgarian Chemical Communications*, **50**(2), 274–278. [https://www.scopus.com/record/display.uri?eid=2-s2.0-85055694574&origin=resultslist&sort=plf-f&featureToggles=FEATURE\\_NEW\\_DOC\\_DETAILS\\_EXPORT:1](https://www.scopus.com/record/display.uri?eid=2-s2.0-85055694574&origin=resultslist&sort=plf-f&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1) (SJR<sub>2018</sub> = 0.137; Scimago Q4)
- Г9.** Lavrova-Popova, S., **Yaneva, Z.** 2018. Binary adsorption of copper and sulfates on barium-modified clinoptilolite. *Journal of Chemical Technology and Metallurgy*, **53**(4), 647–656. <https://www.scopus.com/record/display.uri?eid=2-s2.0-85047398133&origin=resultslist&sort=plf-f> (SJR<sub>2018</sub> = 0.259; Scimago Q2)
- Г10.** Tzanova, M., Atanasov, V., **Yaneva, Z.**, Ivanova, D., Dinev, T. 2020. Selectivity of current extraction techniques for flavonoids from plant materials. *Processes*, **8**(10), 1–30, 1222. <https://doi.org/10.3390/pr8101222> (IF<sub>2020</sub> = 2.847; Scimago Q2; Web of Science Q3)
- Г11.** Ivanova, D.G., **Yaneva, Z.L.** 2020. Antioxidant properties and redox-modulating activity of chitosan and its derivatives: biomaterials with application in cancer therapy. *Bioresearch Open Access*, **9**(1), 64-72. <https://doi.org/10.1089/biores.2019.0028> (SJR<sub>2020</sub> = 0.457; Scimago Q3)
- Г12.** **Yaneva, Z.**, Ivanova, D., Nikolova, N., Tzanova, M. 2020. The 21st century revival of chitosan in service to bio-organic chemistry. *Biotechnology and Biotechnological Equipment*, **34**(1), 221–237. <https://doi.org/10.1080/13102818.2020.1731333> (IF<sub>2020</sub> = 1.632; Scimago Q3; Web of Science Q4)
- Г13.** **Yaneva, Z.**, Ivanova, D. 2020. Catechins within the biopolymer matrix—design concepts and bioactivity prospects. *Antioxidants*, **9**(12), 1–29, 1180. <https://doi.org/10.3390/antiox9121180> (IF<sub>2020</sub> = 6.313; Scimago Q2; Web of Science Q1)
- Г14.** Ivanova, D., **Yaneva, Z.**, Bakalova, R., Semkova, S., Zhelev, Z. 2021. The antimalaria drug artemisinin displays strong cytotoxic effect on leukaemia lymphocytes in

combination with Vitamin C and Pro-Vitamin K3. *Bulgarian Journal of Veterinary Medicine*, **24**(4), 533–543. doi: 10.15547/bjvm.2019-0134 (SJR<sub>2020</sub> = 0.211; Scimago Q3)

**Г15.** Ivanova, D., Zhelev, Z., Zlateva, G., Lazarova, D.; **Yaneva, Z.**; Panovska, R.; Aoki, I., Bakalova, R. 2022. Effect of alpha-tocopheryl succinate on the cytotoxicity of anticancer drugs towards leukemia lymphocytes. *Anticancer Research*, 42(1), 547–554. <https://doi.org/10.21873/anticancer.15512> (IF<sub>2020</sub> = 2.48; Scimago Q2; Web of Science Q4)

**Г16.** **Yaneva, Z.**, Ivanova, D., Nikolova, N., Toneva, M. 2022. Organic dyes in contemporary medicinal chemistry and biomedicine. I. From the chromophore to the bioimaging/bioassay agent. *Biotechnology and Biotechnological Equipment*, **36**(1), 1–14. <https://doi.org/10.1080/13102818.2022.2039077> (IF<sub>2020</sub> = 1.632; Scimago Q3; Web of Science Q4)

#### 4. ПУБЛИКУВАНА ГЛАВА ОТ КОЛЕКТИВНА МОНОГРАФИЯ (ПОКАЗАТЕЛ Г)

**Г17.** **Yaneva, Z.**, N. Georgieva, 2017. Chapter 5. Physicochemical and morphological characterization of pharmaceutical nanocarriers and mathematical modeling of drug encapsulation/release mass transfer processes, Book: *Nanoscale Fabrication, Optimization, Scale-up and Biological Aspects of Pharmaceutical Nanotechnology*, 1st Ed., Editor: Alexandru Grumezescu, © William Andrew 2018, Elsevier. Paperback ISBN: 9780128136294, pp. 173–218. <https://doi.org/10.1016/B978-0-12-813629-4.00005-X> (Scopus prominence percentile: 74.346)

#### 4. ПУБЛИКУВАН УНИВЕРСИТЕТСКИ УЧЕБНИК (ПОКАЗАТЕЛ Е)

**Е1.** Георгиева, Н., **З. Янева**, 2013. Мултимедиен учебник “Химия”. Тракийски университет, Стара Загора. Център за електронни форми на дистанционно обучение. <http://edu.uni-sz.bg/book/11.VMF-NGeorgieva-ZIYaneva> ISBN: 978-954-338-094-7

#### 5. ПУБЛИКУВАНО УНИВЕРСИТЕТСКО УЧЕБНО ПОСОБИЕ (ПОКАЗАТЕЛ Е)

**Е2.** Георгиева, Н., А. Павлов, В. Хаджилиев, **З. Янева**, 2017. Ръководство за лабораторни упражнения по химия. ISBN: 978-954-338-140-1, Академично издателство Тракийски Университет, Стара Загора.

**Е3.** Георгиева, Н., Павлов А., Хаджилиев В., **Янева З.**, 2011. Ръководство за практически занятия по химия. ISBN: 978-954-338-020-6, Академично издателство Тракийски Университет, Стара Загора.

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09.05.2022 г.

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