**Табела. 9.8** Компетентност ментора

|  |  |
| --- | --- |
| **Име и презиме** | [Ана Пилиповић](http://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Pilipovic%20Ana%20S&amp;samoar&amp;.WV9DvbaxWUl) |
| **Звање** | Ванредни професор |
| **Ужа научна, уметничка односно стручна област** | Фармација (Основне хемијске дисциплине) |
| **Академска каријера** | Година  | Институција  | Ужа научна, уметничка односно стручна област  |
| Избор у звање | 2019. | Медицински факултет Нови Сад | Основне хемијске дисциплине у фармацији (органска хемија) |
| Докторат | 2011. | Медицински факултет Нови Сад | Клиничка медицина  |
| Диплома | 2006. | Медицински факултет Нови Сад | Фармација |
| **Списак дисертација-докторских уметничких пројеката а у којима је наставнк ментор или је био ментор у претходних 10 година** |
| Р.Б. | Наслов дисертације- докторског уметничког пројекта  | Име кандидата | \*пријављена  | \*\* одбрањена |
| 1. | ТЕРМОДИНАМИЧКА СТАБИЛНОСТ ОДАБРАНИХ МИЦЕЛАРНИХ СИСТЕМА ЖУЧНИХ СОЛИ ЗНАЧАЈНИХ ЗА НОВЕ ФАРМАЦЕУТСКЕ ФОРМУЛАЦИЈЕ | Коста Поповић |  | 2017. |
| \*Година у којој је дисертација-докторски уметнички пројекат пријављена-пријављен (само за дисертације-докторске уметничке пројекте које су у току), \*\* Година у којој је дисертација-докторски уметнички пројекат одбрањена (само за дисертације-докторско уметничке пројекте из ранијег периода) |
| **Категоризација публикације научних радова из области датог студијског програма према класификацији ресорног Министарства просвете, науке и технолошког развоја а у складу са допунским захтевевима стандарда за дато поље**  |
| Р.б. | Публикација | ISI | M | IF |
| 1. | Poša M, Škorić D, **Pilipović A**. [Binary mixture (1:1) of Triton X100 and Propranolol hydrochloride in an aqueous solution of NaCl: Whether mixed micelles are formed, possible clarification in 1H DOSY NMR experiment](https://pdf.sciencedirectassets.com/271359/1-s2.0-S0167732222X0024X/1-s2.0-S0167732222024096/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VjEFgaCXVzLWVhc3QtMSJHMEUCICgBOxpvAHXh5KWHZLCRdsxVLXwm1Zwkj3%2FLj%2FbBEiJ3AiEA5nuKpQLClCNIhzwT8kdjjMUXW8wM0N6%2BMjcw4P2). J Mol Liq. 2023;369:120870. | 4/35 (2022) | 21 (2022) | 6.0 (2022) |
| 2. | Poša M, **Pilipović A**, Popović K, Kumar D. [Thermodynamics of trimethyltetradecylammonium bromide – Sodium deoxycholate binary mixed micelle formation in aqueous solution: Regular solution theory with mutual compensation of excess configurational and excess conformational entropy](https://pdf.sciencedirectassets.com/271359/1-s2.0-S0167732222X00135/1-s2.0-S016773222201011X/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VjEFgaCXVzLWVhc3QtMSJGMEQCIFLuzkQsV3z9o%2FfWFxxlKThIx1IPGMRQx0Z54BgukuEvAiBhejaYIS4Cf9Bl6K4ZNqW%2FJ7u9nmHghvZgeJAjk5BIX). J Mol Liq. 2022;360:119473. | 4/35  | 21  | 6.0  |
| 3. | **Pilipovic A**, Ocokoljic M, Janev M, Posa M. [The ternary mixed micelle of tween 20-sodium deoxycholate- sodium cholate: The molar excess thermodynamic potencials](https://pdf.sciencedirectassets.com/272357/1-s2.0-S0021961421X00122/1-s2.0-S0021961421003098/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VjEFkaCXVzLWVhc3QtMSJHMEUCIEJXt%2BS2eqkW2fTEDUooEiTehxIuGMuYtSh8%2FsLZX%2BLVAiEAw3PNU2%2BNJ8DTmp2VcHo%2FiWjKojl9XNqlzGn). J Chem Thermodyn. 2022;167:106695. | 24/62 | 22 | 2.6 |
| 4. | **Pilipović A**, Mitrović D, Obradović S, Poša M. Docking-based analysis and modeling of the activity of bile acids and their synthetic analogues on large conductance Ca2+ activated K channels in smooth muscle cells. Eur Rev Med Pharmacol Sci. 2021 Dec;25(23):7501-7. | 125/279 | 22 | 3.784 |
| 5. | Poša M, **Pilipović A**. [Activity coefficient of Triton X100 and Brij S20 in the infinitely diluted micellar pseudophase of the binary micelle Triton X100 – Brij S20 in water phase at the temperature interval T = (283.15-318.15) K](https://ezproxy.nb.rs:2147/doi/pdf/10.1021/acs.jced.9b00797). J Chem Eng Data.2020;65:106-19. | 18/60(2018) | 21(2018) | 2.298(2018) |
| 6. | Poša M**,** **Pilipović A**. [Effects of additives (methanol and NaCl) from the aqueous surfactant solutions on the micellisation of sodium deoxycholate and sodium cholate binary mixture in the temperature interval T = (278.15-318.15) K: molar excess Gibbs energy and molar Gibbs energy of micelle formation](https://www.sciencedirect.com/science/article/abs/pii/S0021961420302792). J Chem Thermodyn. 2020;150:106179. | 14/61(2019) | 21(2019) | 2.888(2019) |
| 7. | Poša M**,** **Pilipović A**. [Micellisation of the binary mixture of surfactants Triton X100 and Brij S10 in a water solution at T= (278.15-318.15) K: the excess Gibbs free energy of the binary mixed micelles formation and its interpretation by the first order and the second order Margules function](https://www.sciencedirect.com/science/article/abs/pii/S0021961419303428?via%3Dihub). J Chem Thermodyn. 2019;138:167-78. | 14/61 | 21 | 2.888 |
| 8. | Poša M, **Pilipović A**, Torović Lj, Cvejić Hogervorst J. [Co-solubilisation of a binary mixture of isoflavones in a water micellar solution of sodium cholate or cetyltrimethylammonium bromide: influence of micelle structure](https://reader.elsevier.com/reader/sd/pii/S0167732218333798?token=0866071C3210633BC7798015724B9BF66E4E4F644B76AB6EEEC0C8F69798E6D214786608705A90EABA293BA10F856089). J Mol Liq. 2019;273:134-46.  |  45/159 | 21 | 5.065  |
| 9. | **Pilipović A**, Farkaš Agatić Z, Đurendić-Brenesel M, Poša M. [Co- solubilisation of the binary mixture of 1-naphthol and 2-naphthol in the water micellar solution of sodium-cholate and cetyltrimethylammonium bromide](https://ezproxy.nb.rs:2147/doi/pdf/10.1021/acs.jced.9b00398). J Chem Eng Data. 2019; 64:5185-95. | 18/60(2018) | 21(2018) | 2.298(2018) |
| 10. | Tepavčević V, **Pilipović A**, Popović K, Farakaš Agatić Z, Poša M. [Self-association of Sodium Isoursodeoxycholate and Sodium Isohenodeoxycholate in water](https://pdf.sciencedirectassets.com/271117/1-s2.0-S0009308419X00067/1-s2.0-S000930841930060X/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VjENn%2F%2F%2F%2F%2F%2F%2F%2F%2F%2FwEaCXVzLWVhc3QtMSJHMEUCIQCmW9ZFJSiJS5yTNitdVphqF6EXyolr0GvdclOAXYZEXQIgPkup%2FTZz%2B). Chem Phys Lipids. 2019;223:104778. | 170/299(2018) | 22(2018) | 2.536(2018) |
| 11. | Poša M, Kovačević B, **Pilipović A**. [Microscopic interpretation of parameters of the second order Margules function (function for describing the excess Gibbs energy of the binary micelle formation): micellisation of the binary mixture of surfactants Triton X-100 and (1-hexadecyl)trimethylammonium-bromide in a water solution of NaCl (0.3 mol kg](https://ezproxy.nb.rs:2055/science/article/pii/S0167732218349511/pdfft?md5=655c92231d68d4b1d2be9735339803b8&pid=1-s2.0-S0167732218349511-main.pdf)[-1](https://ezproxy.nb.rs:2055/science/article/pii/S0167732218349511/pdfft?md5=655c92231d68d4b1d2be9735339803b8&pid=1-s2.0-S0167732218349511-main.pdf)[)](https://ezproxy.nb.rs:2055/science/article/pii/S0167732218349511/pdfft?md5=655c92231d68d4b1d2be9735339803b8&pid=1-s2.0-S0167732218349511-main.pdf). J Mol Liq. 2019;279:700-10.  | 45/159 | 21 | 5.065 |
| 12. | Poša M, **Pilipović A**, Tepavčević V, Obradović S. [Micellisation binary mixture of surfactants Na-deoxycholate – Na-decyl-sulphate and Na-hyodeoxycholate – Na-decyl-sulphate: rational development (selection) of the thermodynamic model for describing](https://ezproxy.nb.rs:2147/doi/pdf/10.1021/acs.jced.7b00880) *[G](https://ezproxy.nb.rs:2147/doi/pdf/10.1021/acs.jced.7b00880)[E](https://ezproxy.nb.rs:2147/doi/pdf/10.1021/acs.jced.7b00880)*. J Chem Eng Data. 2018;63:691-701.  | 18/60 | 21 | 2.298 |
| 13. | **Pilipović A,** Ajduković J, Đurendić E, Sakač M, Poša M. [Importance of reversed-phase chromatographic parameters in predicting biopharmaceutical and pharmacokinetic descriptors on the group of androgen derivatives](http://www.sciencedirect.com/science/article/pii/S0928098717302981?via%3Dihub). Eur J Pharm Sci. 2017;106:166-76. | 68/261 | 21 | 3.466 |
| 14. | Poša M, **Pilipović A**. [Self-association of C3 and C6 epimers of hyodeoxycholate anions in aqueous medium: hydrophobicity, critical micelle concentration and aggregation number](http://ac.els-cdn.com/S0167732217309777/1-s2.0-S0167732217309777-main.pdf?_tid=93861278-92cb-11e7-836c-00000aacb35f&acdnat=1504679051_86f30ce79cecab209f1a985503f0d4d0). J Mol Liq. 2017;238:48-57. | 37/146 | 21 | 4.513 |
| 15. | Poša M, **Pilipović A,** Becarević M, Farkaš Z. [pKa values of hyodeoxycholic and cholic acids in the binary mixed micelles sodium-hyodeoxycholate–Tween 40 and sodium-cholate–Tween 40: Thermodynamic stability of the micelle and the cooperative hydrogen bond formation with the steroid skeleton](http://www.sciencedirect.com/science/article/pii/S0039128X16301271). Steroids. 2017;117:62-70. | 175/292 | 22 | 2.523 |
| 16. | [Bjedov S,](http://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Bjedov%20Srdjan) [Jakimov D](http://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Jakimov%20Dimitar%20S), [**Pilipovic A**,](http://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Pilipovic%20Ana%20S) [Posa M,](http://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Posa%20Mihalj%20M) [Sakac M.](http://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Sakac%20Marija%20N) [Antitumor activity of newly synthesized oxo and ethylidene derivatives of bile acids and their amides and oxazolines](http://ac.els-cdn.com/S0039128X17300259/1-s2.0-S0039128X17300259-main.pdf?_tid=5e8ab2aa-62f0-11e7-964b-00000aacb35e&acdnat=1499417197_2ba8498bf32add825a2eb054a289fc82). Steroids. 2017;120:19-25. | 175/292 | 22 | 2.523 |
| 17. | Poša M, **Sebenji A.** [Chemometric and conformational approach to analysis of aggregation capabilities in the set of bile salts of the allo and normal series](http://ac.els-cdn.com/S073170851530296X/1-s2.0-S073170851530296X-main.pdf?_tid=2f5d39e0-653d-11e7-a550-00000aab0f02&acdnat=1499670092_9e3c8ebc4b005c383663cfe7e18d47e9). J Pharm Biomed Anal. 2016;121:[316-24.](http://dx.doi.org/10.1111/ijfs.12832) | 18/76 | 21 | 3,255 |
| 18. | Poša M, **Pilipović A**, Bjedov S, Obradović S, Tepavčević V, Sakač M. [Parameters of micellization and hydrophobicity of sodium salts of 7- buthyl (butylidene) and 7-octyl (octylidene) derivatives of the cholic and the deoxycholic acid in a water solution: pattern recognition - linear hydrophobic congeneric groups](http://ac.els-cdn.com/S0167732216310820/1-s2.0-S0167732216310820-main.pdf?_tid=36b8a240-653f-11e7-970a-00000aab0f6b&acdnat=1499670963_ddd183c50ed6f954e24a0d0a9f100986). J Mol Liq. 2016;224:9-18. | 42/145 | 21 | 3.648 |
| 19. | Cvejić J, Poša M, **Sebenji A**, Atanacković M. [Comparison of solubilization capacity of resveratrol in sodium 3α,12α-dihydroxy-7-oxo-5β-cholanoate and sodium dodecyl sulfate](https://www.hindawi.com/journals/tswj/2014/265953/). The Scientific World Journal. 2014, Article ID 265953, 7 pages, 2014. doi:10.1155/2014/265953 | 16/55(2013) | 21(2013) | 1.219(2013) |
| 20. | Poša M, Bjedov S, **Sebenji A,** Sakač M. [Wittig reaction (with ethylidene triphenylphosphorane) of oxo-hydroxy derivatives of 5 beta-cholanic acid: Hydrophobicity, haemolytic potential and capacity of derived ethylidene derivatives for solubilisation of cholesterol](http://ac.els-cdn.com/S0039128X1400097X/1-s2.0-S0039128X1400097X-main.pdf?_tid=af4cbfa4-653d-11e7-bede-00000aab0f6c&acdnat=1499670306_40054146dc9fee356da1e031224ed44a). Steroids. 2014;86:16-25. | 69/128 | 22 | 2.639 |
| 21. | Poša M, **Sebenji A**[**.** Determination of number-average aggregation numbers of bile salts micelles with a special emphasis on their oxo derivatives - The effect of the steroid skeleton](http://ac.els-cdn.com/S0304416513004911/1-s2.0-S0304416513004911-main.pdf?_tid=aa6cbc68-653e-11e7-b7d8-00000aacb35e&acdnat=1499670728_cdd15e3840aa4bbad89dcdfaf5c654f2). Biochim Biophys Acta. 2014;1840(3):1072-82.  | 14/73 | 21 | 4.381 |
| 22. | Poša M, **Sebenji A,** Trifunović J. [Influence of temperature on retention parameter of bile acids in normal phase thin-layer chromatography: the role of steroid skeleton](http://acta-arhiv.chem-soc.si/60/60-1-151.pdf). Acta Chim Slov. 2013;60(1):151-8.  | 90/152(2012) | 22(2012) | 1.135(2012) |
| **Збирни подаци научне активност наставника** |
| Укупан број цитата, без аутоцитата | 217 |
| Укупан број радова са SCI (или SSCI) листе | 27 |
| Тренутно учешће на пројектима | Домаћи: 1 | Међународни: - |
| Усавршавања | ***Central European Training School on Neutron Methods, 5-10 May 2019, Budapest, Hungary*** |
| Други подаци које сматрате релевантним |  |