**Табела. 9.8** Компетентност ментора

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| --- | --- |
| **Име и презиме** | [Михаљ Поша](http://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Posa%20Mihalj%20M&amp;samoar&amp;offset=0&amp;.Wa5bqjWxWUk) |
| **Звање** | Редовни професор |
| **Ужа научна, уметничка односно стручна област** | Фармација |
| **Академска каријера** | Година  | Институција  | Ужа научна, уметничка односно стручна област  |
| Избор у звање | 2018. | Медицински факултет Нови Сад | Основне хемијске дисциплине у фармацији |
| Докторат | 2008. | Универзитет у Новом Саду, Природно-математички факултет | Хемија-биохемија |
| Магистратура | 2006. | Универзитет у Новом Саду, Природно-математички факултет | Хемија-биохемија |
| Мастер |  |  |  |
| Диплома | 2002. | Универзитет у Новом Саду, Природно-математички факултет | Хемија |
| **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. | УТИЦАЈ ПОРЕКЛА ДРОГЕ И БИОЛОШКОГ ИЗВОРА НА ХЕМИЈСКИ САСТАВ ЕТАРСКОГ УЉА БОРА,ХЕМОМЕТРИЈСКА КЛАСИФИКАЦИЈА | Јелена Живковић | 2013(истекао рок за одбрану) |  |
| 2. | ТЕРМОДИНАМИЧКА СТАБИЛНОСТ БИНАРНИХ МЕШОВИТИХ МИЦЕЛА ОДАБРАНИХ ХОМОЛОГА ИЗ ГРУПА БРИЈ СУРФАКТАНАТА И ПОЛИСОРБАТА | Стоја Обрадовић |  | 2017. |
| 3. | ТЕРМОДИНАМИЧКА СТАБИЛНОСТ ОДАБРАНИХ МИЦЕЛАРНИХ СИСТЕМА ЖУЧНИХ СОЛИ ЗНАЧАЈНИХ ЗА НОВЕ ФАРМАЦЕУТСКЕ ФОРМУЛАЦИЈЕ | Коста Поповић |  | 2017. |
| 4. | УТИЦАЈ ДУЖИНЕ ХИДРОФОБНОГ СЕГМЕНТА ХОМОЛОГНИХ ПОЛИСОРБАТА НА ТЕРМОДИНАМИЧКЕ ПАРАМЕТРЕ БИНАРНИХ МЕШОВИТИХ МИЦЕЛА ПОЛИСОРБАТА И ТРИТОНА X-100 | Ивана Вапа |  | 2016. |
| 5. | ФИЗИЧКО-ХЕМИЈСКЕ КАРАКТЕРИСТИКЕ МЕШОВИТИХ МИЦЕЛА СОЛИ ЖУЧНИХ КИСЕЛИНА И НЕЈОНСКИХ СУРФАКТАНАТА | Дејан Ћирин |  | 2015. |
| 6. | МИЦЕЛАРНА СОЛУБИЛИЗАЦИЈА ХОЛЕСТЕРОЛА ПОМОЋУ ОКСО ДЕРИВАТА ЖУЧНИХ КИСЕЛИНА | Зита Фаркаш |  | 2015. |
| 7. | ИСПИТИВАЊЕ УТИЦАЈА МОЛЕКУЛСКЕ СТРУКТУРЕ НА ЛИПОФИЛНОСТ ЖУЧНИХ КИСЕЛИНА | Ана Пилиповић |  | 2011. |
| \*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. | Farkaš Agatić Z, Popović K, Kumar D, Škorić D, **Poša M**. [Regular solution theory regarding sodium cholate and hexadecyltrimethylammonium bromide or dodecyltrimethylammonium bromide binary mixed micelles](https://reader.elsevier.com/reader/sd/pii/S0167732223004853?token=1C08E086C9E5AEE577937BD119BA9E6A1364261A2391DCD0927361B2EC3C53F59BE302B9D80C431B9C54C7B46F78817B&originRegion=eu-west-1&originCreation=20230428100542). J Mol Liq. 2023;379:121682.  | 4/35 (2022) | 21 (2022) | 6.0 (2022) |
| 2. | **Posa M**, Bhattarai A, Masood Khan J, Saha B, Kumar D. [Impact of double headed geminis on leucine and ninhydrin reaction in buffer solvent](https://pdf.sciencedirectassets.com/271384/1-s2.0-S0927775723X00156/1-s2.0-S092777572301035X/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VjEEEaCXVzLWVhc3QtMSJIMEYCIQCmmjF2fqxjExXeLEzfYuCdxO9ewd%2BSkIJ2L3srv92uzQIhAIu568vJ33FmU5oQGz5Dv%2FsuUXIQy23cE5w68Wnqn). Colloid Surface A. 2023;674:131951. | 58/161 (2022) | 22 (2022) | 5.2 (2022) |
| 3. | **Poša M**. [Self-Association of the Anion of 7-Oxodeoxycholic Acid (Bile Salt): How Secondary Micelles Are Formed](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10380805/pdf/ijms-24-11853.pdf). Int J Mol Sci. 2023 Jul 24;24(14):11853. | 52/178 (2022) | 21 (2022) | 5.6 (2022) |
| 4. | Kumar D, **Poša M**. [Linear hydrophobic congeneric groups of bile acid anion derivatives based on the self-association (micellization) process and the phenomenon of enthalpy–entropy compensation](https://pdf.sciencedirectassets.com/271359/1-s2.0-S0167732223X00117/1-s2.0-S0167732223007286/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VjEFgaCXVzLWVhc3QtMSJHMEUCICgBOxpvAHXh5KWHZLCRdsxVLXwm1Zwkj3%2FLj%2FbBEiJ3AiEA5nuKpQLClCNIhzwT8kdjjMUXW8wM0N6%2BMjcw4P2). J Mol Liq.2023;382:121925. | 4/35 (2022) | 21 (2022) | 6.0 (2022) |
| 5. | **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) |
| 6. | **Poša M**. [Symmetry (Asymmetry) of the Molar Excess Gibbs Free Energy Function of the Binary Mixed Micelles of Bile Acid Anion and Classical Cationic Surfactant: Influence of Sterically Shielded and Sterically Unshielded Polar Groups of the Steroid Skeleton](https://www.mdpi.com/2073-8994/14/11/2337). Symmetry.2022;14(11):2337. | 36/73 | 22 | 2.7 |
| 7. | Bhattarai A, Rub MA, **Posa M**, Saha B, Asiri AM, Kumar D. [Studies of ninhydrin and phenylalanine in cationic dimeric gemini micellar system: Spectrophotometric and conductometric measurements](https://pdf.sciencedirectassets.com/271384/1-s2.0-S0927775722X00204/1-s2.0-S0927775722020891/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VjEFgaCXVzLWVhc3QtMSJGMEQCIFsfeddpiO7Zel4GBqBeOExJRX7AU7Me%2FwB9EgVJQevnAiB1%2Bl5bhCmv4jWL1ApN3qd0HEcyNbL4dSa1jToU23YUc). Colloid Surface A. 2022;655:130334. | 58/161 | 22 | 5.2 |
| 8. | Bhattarai A, Rub MA, **Posa M**, Saha B, KumarD. [Catalytic impacts of cationic twin headed and tailed gemini surfactants toward study of glycine and ninhydrin in sodium acetate-acetic acid buffer system](https://pdf.sciencedirectassets.com/271359/1-s2.0-S0167732222X00135/1-s2.0-S0167732222009801/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VjEFgaCXVzLWVhc3QtMSJHMEUCICgBOxpvAHXh5KWHZLCRdsxVLXwm1Zwkj3%2FLj%2FbBEiJ3AiEA5nuKpQLClCNIhzwT8kdjjMUXW8wM0N6%2BMjcw4P2). J Mol Liq. 2022;360:119442. | 4/35  | 21  | 6.0  |
| 9. | **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  |
| 10. | Puača G, Tepavčević V, **Poša M**. [Interaction between Triton X100 and Brij 58 in their binary mixed micelles: Micellization in aqueous solution and aqueous solution of Poloxamer 188 at the range of temperature T = (273.15–323.15) K](https://pdf.sciencedirectassets.com/272357/1-s2.0-S0021961422X00074/1-s2.0-S0021961422001148/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VjEFgaCXVzLWVhc3QtMSJGMEQCIFLuzkQsV3z9o%2FfWFxxlKThIx1IPGMRQx0Z54BgukuEvAiBhejaYIS4Cf9Bl6K4ZNqW%2FJ7u9nmHghvZgeJAjk5BIX). J Chem Thermodyn. 2022;173:106835. | 24/62 | 22 | 2.6 |
| 11. | 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 |
| 12. | 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 |
| 13. | Popović KJ, Popović DJ, Miljković D, Popović JK, Lalošević D, **Poša M**, Čapo I. [Disulfiram and metformin combination anticancer effect reversible partly by antioxidant nitroglycerin and completely by NF-κB activator mebendazole in hamster fibrosarcoma](https://reader.elsevier.com/reader/sd/pii/S0753332221009525?token=63B3DAD56C5B30854AAC06D7AF281D9451699670FE8A51054A39D8B5D57A4DEFE8EF1F77A4CEB57F19F26FEF07CC3E12&originRegion=eu-west-1&originCreation=20220804082903). Biomed Pharmacother. 2021 Nov;143:112168. | 26/279 | 21a | 7.419 |
| 14. | **Posa M**. [Conformationally rigid and flexible surfactant binary (pseudoternary) mixed micelle with mutual synergistic interaction](https://pdf.sciencedirectassets.com/271359/1-s2.0-S0167732221X00104/1-s2.0-S0167732221008850/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VjEFgaCXVzLWVhc3QtMSJHMEUCICgBOxpvAHXh5KWHZLCRdsxVLXwm1Zwkj3%2FLj%2FbBEiJ3AiEA5nuKpQLClCNIhzwT8kdjjMUXW8wM0N6%2BMjcw4P2). J Mol Liq. 2021;334:116158. | 6/36 | 21 | 6.633 |
| 15. | Tepavcevic V, Cvejic J, **Posa M,** Bjelica A, Miladinovic J, Rizou M, Aldawoud TMS, Galanakis CM. [Classification and discrimination of soybean (Glycine max (L.) Merr.) genotypes based on their isoflavone content](https://ezproxy.nb.rs:2055/science/article/pii/S0889157520313752?via%3Dihub). J Food Compos Anal. 2021;95:103670.  | 19/72 | 21 | 4.520 |
| 16. | **Poša M**, Tepavčević V, Grbović Lj, Mikulić M, Pavlović K. [Hydrophobicity and self-association (micellisation) of bile salts with a lactone or lactam group in a steroid skeleton](https://onlinelibrary.wiley.com/doi/10.1002/poc.4133). J Phys Org Chem. 2021;34(2):e4133. | 34/57 | 22 | 2.155 |
| 17. | **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) |
| 18. | **Poša M**, Bjedov S, Tepavčević V, Mikulić M, Sakač M. [Physicochemical characterization of novel 3-carboxymethyl-bile salts, as permeability and solubility enhancers](https://www.sciencedirect.com/science/article/abs/pii/S0167732219357423). J Mol Liq. 2020;303:112634. | 43/162 | 21 | 6.165 |
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| 20. | **Poša M**, Farkaš Agatić Z, Popović K, Škorić D, Csanádi J[. Excess Gibbs energy of the binary mixed micelle formation between ionic and non-ionic surfactants in the set of: sodium-cholate, sodium-deoxycholate, brij S10 and brij 58 at T = (283.15-323.15) K](https://pdf.sciencedirectassets.com/272357/1-s2.0-S0021961419X00099/1-s2.0-S0021961419306512/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VjENr%2F%2F%2F%2F%2F%2F%2F%2F%2F%2FwEaCXVzLWVhc3QtMSJGMEQCIDdQLPcxYmaF4vPuv4%2FdmHOLVXCxKPW8C0BqkivCVXqkAiA6FR7bNwXAQD5). J Chem Thermodyn. 2020;140:105914. | 14/61(2019) | 21(2019) | 2.888(2019) |
| 21. | **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 |
| 22. | **Poša M.** [Multiphase separation model for the binary mixed micelles](https://pdf.sciencedirectassets.com/271359/1-s2.0-S0167732219X00124/1-s2.0-S0167732219317635/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VjEEEaCXVzLWVhc3QtMSJIMEYCIQC0blhyZ4vIGyq6ku5IyqMJACj4x3W1fePO3ca%2BFdOkgQIhAJcvZIppfAacL5h%2BxKBprswHZFkXDgWQdLNS%2BkX). J Mol Liq. 2019;288:111019.  | 45/159 | 21 | 5.065 |
| 23. | **Poša M**, Popović K, Farkaš Agatić Z. [Influence of cations of the first group of the Periodic Table of Elements on the thermodynamic stabilization of cholic and deoxycholic acid anion micelles](https://pdf.sciencedirectassets.com/271359/1-s2.0-S0167732219X00203/1-s2.0-S0167732219348858/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VjENn%2F%2F%2F%2F%2F%2F%2F%2F%2F%2FwEaCXVzLWVhc3QtMSJHMEUCIQCmW9ZFJSiJS5yTNitdVphqF6EXyolr0GvdclOAXYZEXQIgPkup%2FTZz%2B). J Mol Liq. 2019;296:111840.  | 45/159 | 21 | 5.065 |
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| 26. | 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) |
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| **Збирни подаци научне активност наставника** |
| Укупан број цитата, без аутоцитата | 935, 812 (scopus) |
| Укупан број радова са SCI (или SSCI) листе | 91 |
| Тренутно учешће на пројектима | Домаћи: 1 | Међународни: 1 |
| Усавршавања | Хемометрија (Бабеш-Бољаи Универзитет, Клуж, 2007) |
| Други подаци које сматрате релевантним | Хемометрија (Бабеш-Бољаи Универзитет, Клуж, 2007) |
|  | **Поша М**.Основне методе у хемометрији, Медицински факултет, Нови Сад, 2010 (монографија)**Поша М**.Физичко хемијске особине жучних киселина са освртом на оксо деривате 5β-холанске киселине, Медицински факултет, Нови Сад, 2011 (монографија)**Поша М**.Термодинамика бинарних смеша и мешовитих мицела: системи натријумових соли жучних киселина и нејонских, Медицински факултет, Нови Сад, 2015 (монографија)**Поша М**.Физичка Хемија, Медицински факултет, Нови Сад, 2016 (уџбеник)**Поша М**,Поповић К, Фаркаш Агатић З. Практикум из физичке хемије, Медицински факултет, Нови Сад, 2017.**Поша М**, Пилиповић А, Тепавчевић В. Практикум из органске хемије, Медицински факултет, Нови Сад, 2017. |