**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. | **Posa M.** [Volumetric Flask with White and Blue Balls: Demonstration of Microcanonical Ensemble of Small Populations](https://pubs.acs.org/doi/full/10.1021/acs.jchemed.4c00496). J Chem Educ. 2024;101(9):4057-63. | 98/175(2023) | 22(2023) | 2.5(2023) |
| 2. | **Posa M.** [Connecting De Donder's equation with the differential changes of thermodynamic potentials: understanding thermodynamic potentials.](https://link.springer.com/article/10.1007/s10698-024-09507-z) Found Chem. 2024. doi: 10.1007/s10698-024-09507-z | 15/70(2023) | 21(2023) | 1.8(2023) |
| 3.  | **Posa M.** [The Gibbs-Helmholtz equation and the enthalpy-entropy compensation (EEC) phenomenon in the formation of micelles in an aqueous solution of surfactants and the cloud point effect.](https://www.sciencedirect.com/science/article/pii/S0167732224001648) J Mol Liq. 2024;396:124109. doi: 10.1016/j.molliq.2024.124109 | 5/35(2023) | 21(2023) | 5.3(2023) |
| 4.  | Kumar D, Farkas-Agatic Z, Popovic K, **Posa M.** [Binary Mixed Micelles of Hexadecyltrimethylammonium Bromide-Sodium Deoxycholate and Dodecyltrimethylammonium Bromide-Sodium Deoxycholate: Thermodynamic Stabilization and Mixed Micelle Solubilization Capacity of Daidzein (Isoflavonoid).](https://pubs.acs.org/doi/full/10.1021/acs.iecr.3c04484) Ind Eng Chem Res. 2024;63(7):3336-48. | 46/143(2023) | 22(2023) | 3.8(2023) |
| 5.  | Popovic D, Popovic K, Miljkovic D, Popovic J, Lalosevic D, **Posa M**, Dolicanin Z, Capo I. [Diclofenac and metformin synergistic dose dependent inhibition of hamster fibrosarcoma, rescued with mebendazole](https://pubmed.ncbi.nlm.nih.gov/37738800/). Biomed Pharmacother. 2023;167:115528. | 15/274 | 21a | 6.9 |
| 6. | Pilipovic A, Vapa I, Tepavcevic V, Puaca G, **Posa M**. [Ternary Mixed Micelle Hexadecyltrimethylammonium Bromide-Dodecyltrimethylammonium Bromide-Sodium Deoxycholate: Gibbs Free Energy of Mixing and Excess Gibbs Energy of Mixing](https://www.mdpi.com/1420-3049/28/18/6722). Molecules. 2023;28(18):6722. | 85/285 | 21 | 4.2 |
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| 10. | **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. | 63/285 | 21 | 4.9 |
| 11. | 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) |
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| 14. | 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 |
| 15. | 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  |
| 16. | **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  |
| 17. | 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 |
| 18. | 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 |
| 19. | 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.](https://pubmed.ncbi.nlm.nih.gov/34919252/) Eur Rev Med Pharmacol Sci. 2021 Dec;25(23):7501-7. | 125/279 | 22 | 3.784 |
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| 23. | **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 |
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 | 234/255 | 23 | 0.589 |
| **Збирни подаци научне активност наставника** |
| Укупан број цитата, без аутоцитата | 941 |
| Укупан број радова са SCI (или SSCI) листе | 98 |
| 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. |