**Табела. 9.8** Компетентност ментора

|  |  |
| --- | --- |
| **Име и презиме** | [Димитар Јакимов](http://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Jakimov%20Dimitar%20S&amp;samoar&amp;.W1WJ1zmxWUk)  |
| **Звање** | научни саветник |
| **Ужа научна, уметничка односно стручна област** | Биохемија, медицинска генетика |
| **Академска каријера** | Година  | Институција  | Ужа научна, уметничка односно стручна област  |
| Избор у звање |  |  |  |
| Докторат |  |  |  |
| Магистратура |  |  |  |
| Мастер диплома |  |  |  |
| Диплома |  |  |  |
| **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 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| \*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 (минимално 5 не више од 20)****Категоризација публикације уметничких референци из области датог студијског програма према класификацији из Упутства за припрему документације за акредитацију студијског програма а у складу са допунским захтевевима стандарда за дато поље**  |
| Р.б. | Публикација | ISI | M | IF |
| 1. | Kuzminac I, Stevanović M, **Jakimov D**, Sakač M. [Synthesis, Optimization, In Silico, and In Vitro Testing of D-Homo Lactone Estra-1,3,5-triene Derivatives](https://link.springer.com/article/10.1134/S106816202403021X). Russ J Bioorg Chem. 2024;50(3):870-81. | 271/285(2023) | 23(2023) | 1.0(2023) |
| 2. | Popsavin M, Đokić S, Kovačević I, Stanisavljević SM, Kojić V, et al... **Jakimov D**. [Synthesis and biological activity of thiophene bioisosteres of natural styryl lactone goniofufurone and related compounds](https://www.sciencedirect.com/science/article/pii/S0223523424002204?via%3Dihub). Eur J Med Chem. 2024 Apr 5;269:116340. | 8/60(2023) | 21(2023) | 6.0(2023) |
| 3. | Tot N, Despotović V, Panić S, Kordić B, Finčur N, et al... **Jakimov D**. [Comparative Study on the Removal Efficiency of Clomazone and Amitriptyline via Adsorption and Photocatalysis in Aqueous Media: Kinetic Models and Toxicity Assessment](https://www.mdpi.com/1996-1944/17/6/1369). Materials. 2024;17(6): 1369. | 19/80(2023) | 21(2023) | 3.1(2023) |
| 4. | **Jakimov D**, Bogdanović D, Đuran M, Jurišić V, Kojić V. [In vitro antitumor activity of carboplatin and analogues](https://www.tandfonline.com/doi/full/10.1080/00958972.2023.2284087). J Coord Chem. 2024;77(7-8):697-709. | 22/42(2023) | 22(2023) | 2.2(2023) |
| 5. | Farkas S, Benedeković G, Stanisavljević S, Srećo Zelenović B, Popsavin M, et al... **Jakimov D.** [Synthesis and antiproliferative activity of (5R)-cleistenolide and analogues](https://doiserbia.nb.rs/Article.aspx?ID=0352-51392300018F). J Serb Chem Soc. 2023;88(7-8):705-13. |

|  |  |
| --- | --- |
| 149/175 |  |

 | 23 | 1.0 |
| 6. | Kazuz A, Radovanović Ž, Veljović Đ, Kojić V, **Jakimov D**, Vlajić Tovilović T, et al. [α-tricalcium phosphate/fluorapatite-based cement - promising dental root canal filling material.](https://doiserbia.nb.rs/Article.aspx?ID=1820-61312201022K) Process Appl Ceram. 2022;16(1):22-9. | 12/29(2020) | 22(2020) | 1.804(2020) |
| 7. | Stanković N, Jovanović B, Kostić Kokić I, Stojković Piperac M, Simeunović J, et al... **Jakimov D.** [Toxic effects of a cyanobacterial strain on Chironomus riparius larvae in a multistress environment](https://www.researchgate.net/publication/364108448_Toxic_effects_of_a_cyanobacterial_strain_on_Chironomus_riparius_larvae_in_a_multistress_environment). Aquat Toxicol. 2022;253(4):106321. | 7/106 | 21a | 4.5 |
| 8. | Jovanović Galović A, Jovanović Lješković N, Vidović S, Vladić J, Jojić N, et al... **Jakimov D**. [The Effects of Resveratrol-Rich Extracts of Vitis vinifera Pruning Waste on HeLa, MCF-7 and MRC-5 Cells: Apoptosis, Autophagia and Necrosis Interplay.](https://www.mdpi.com/1999-4923/14/10/2017) Pharmaceutics. 2022 Sep 23;14(10):2017. |

|  |  |
| --- | --- |
|  | 51/277 |

 | 21 | 5.4 |
| 9. | Kuzminac I, Bekić S, Ćelić A, **Jakimov D**, Sakač M. [Antitumor potential of novel 5α,6β-dibromo steroidal D-homo lactone](https://pubmed.ncbi.nlm.nih.gov/36183814/). Steroids. 2022 Dec;188:109118. | 214/285 | 23 | 2.7 |
| 10. | Oklješa A, Raičević V, **Jakimov D**, Klisurić O. [Synthesis, structural, computational, and antiproliferative activity studies of new steroidal tetrazole derivatives](https://www.researchgate.net/publication/358384009_Synthesis_structural_computational_and_antiproliferative_activity_studies_of_new_steroidal_tetrazole_derivatives). J Mol Struct. 2022; 1256:132577. | 74/161 | 22 | 3.8 |
| 11. | Jovanović Galović A, Jovanović Ljesković N, Vidović S, Vladić J, Mrkonjić Z, et al...**Jakimov D.** [Potential of Helicrysum italicum cultivated in urban environment: SCCO2 extract cytotoxicity & NF-kB activation in HeLa, MCF-7 and MRC-5 cells](https://redun.educons.edu.rs/handle/123456789/467). Sustain Chem Pharm. 2022;26. | 49/178 | 21 | 6.0 |
| 12. | Filipović I, Mrkalić E, Pelosi G, Kojić V, **Jakimov D**, Baskić D, et al. [Structural, biological and computational study of oxamide derivative](https://doiserbia.nb.rs/Article.aspx?ID=0352-51392100114F). J Serb Chem Soc. 2022;87(5)545-59. |

|  |  |
| --- | --- |
|  | 155/178 |

 | 23 | 1.0 |
| 13. | Odžaković B, Sailović P, Bodroža D, Kojić V, **Jakimov D**, Kukrić Z. [Bioactive components and antioxidant, antiproliferative, and antihyperglycemic activities of wild cornelian cherry (Cornus mas l.).](https://mjcce.org.mk/index.php/MJCCE/article/view/2417) Maced J Chem Chem En. 2021;40(2):221-30. | 157/180 | 23 | 0.920 |
| 14. | Ajduković J, **Jakimov D**, Rárová L, Strnad M, Dzichenka YU, Usanov S, et al. [Novel alkylaminoethyl derivatives of androstane 3-oximes as anticancer candidates: synthesis and evaluation of cytotoxic effects](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9043769/). RSC Adv. 2021 Nov 22;11(59):37449-61. |

|  |  |
| --- | --- |
|  | 75/180 |

 | 22 | 4.036 |
| 15. | Simonović M, Kojić V, **Jakimov D**, Glumac M, Pejin B. [Raspberry seeds extract selectively inhibits the growth of human lung cancer cells](https://pubmed.ncbi.nlm.nih.gov/31526150/) *[in vitro](https://pubmed.ncbi.nlm.nih.gov/31526150/)*. Nat Prod Res. 2021 Jul;35(13):2253-6. | 38/72 | 22 | 2.488 |
| 16. | Pejin B, Simonović M, Talevska A, Glumac M, **Jakimov D**, Kojić V. [A neglected natural source for targeting glioblastoma](https://www.tandfonline.com/doi/abs/10.1080/14786419.2019.1638386). Nat Prod Res. 2021 Jun;35(11):1856-1860. | 38/72 | 22 | 2.488 |
| 17. | Đukić M, Jeremić M, Filipović I, Klisurić O, Kojić V, **Jakimov D**, et al. [Synthesis, characterization, HSA/DNA interactions and antitumor activity of new [Ru(η](https://www.sciencedirect.com/science/article/pii/S0162013420302841)[6](https://www.sciencedirect.com/science/article/pii/S0162013420302841)[-p-cymene)Cl](https://www.sciencedirect.com/science/article/pii/S0162013420302841)[2](https://www.sciencedirect.com/science/article/pii/S0162013420302841)[(L)] complexes](https://www.sciencedirect.com/science/article/pii/S0162013420302841). J Inorg Biochem. 2020 Dec;213:111256. | 9/45 | 21 | 4.155 |
| 18. | Kojić V**,** Popsavin M, Spaić S, **Jakimov D**, Kovačević I, Svirčev M, et al[. Structure based design, synthesis and in vitro antitumour activity of tiazofurin stereoisomers with nitrogen functions at the C-2’ or C-3’ positions](https://pubmed.ncbi.nlm.nih.gov/31557614/). Eur J Med Chem. 2019;183:111712.  | 5/61 | 21a | 5.573 |
| 19. | Kojić V, Đan I, Bogdanović V, Borišev I, Djordjević A, et al... **Jakimov D**. [The effect of gold nanoparticles and irradiation on healthy and tumor human lung cells](http://ijrr.com/article-1-2661-en.pdf). International Journal of Radiation Research. 2019;17(4):569-78. | 132/133 | 23 | 0.389 |
| 20. | Savić M, Ajduković J, Plavša J, Bekić S, Celić A, et al...**Jakimov D**, et al. [Evaluation of A-ring fused pyridine D-modified androstane derivatives for antiproliferative and aldo-keto reductase 1C3 inhibitory activity](https://pubs.rsc.org/en/content/articlelanding/2018/md/c8md00077h). Medchemcomm. 2018;9(6):969-81. | 35/61 | 22 | 2.394 |
| 21. | Nikolić A, Kuzminac I, Jovanović-Santa S, **Jakimov D**, Aleksić L, Sakač M. [Anticancer activity of novel steroidal 6-substituted 4-en-3-one D-seco dinitriles](https://pubmed.ncbi.nlm.nih.gov/29604312/). Steroids. 2018;135:101-7. | 174/293(2017) | 22(2017) | 2.523(2017) |
| 22. | Pejin B, Tommonaro G, Glumac M, **Jakimov D**, Kojić V. [The redox couple avarol/avarone in the fight with malignant gliomas: the case study of U-251 MG cells](https://pubmed.ncbi.nlm.nih.gov/28504009/). Nat Prod Res. 2018;32(5):616-20. | 33/71 | 22 | 1.999 |
| 23. | Bjedov S, **Jakimov D**, Poša M, Klisurić O, Sakač M. [Synthesis and antitumor activity of alkylated bile acids and oxazolines](https://www.sciencedirect.com/science/article/pii/S0040402017310955). Tetrahedron. 2017;73(49):6932-41. | 23/57 | 22 | 2.377 |
| 24. | Kovačević I, Popsavin M, Benedeković G, Kesić J, Kojić V, **Jakimov D**, et al. [Synthesis and in vitro antitumour activity of crassalactone D, its stereoisomers and novel cinnamic ester derivatives](https://www.sciencedirect.com/science/article/pii/S022352341730291X). Eur J Med Chem. 2017;134:293-303.  | 4/59 | 21а | 4.816 |
| 25. | Kuzminac I, Klisurić O, Škorić D, **Jakimov D**, Sakač M. [Structural analysis and antitumor potential of novel 5,6-disubstituted-17a-homo-17-oxa-androstane derivatives](https://link.springer.com/article/10.1007/s11224-016-0815-9). Struct Chem. 2017;28(3):567-76. | 91/171 | 22 | 2.019 |
| 26. | Bjedov S, **Jakimov D**, Pilipović A, Poša M, Sakač M. [Antitumor activity of newly synthesized oxo and ethylidene derivatives of bile acids and their amides and oxazolines](https://www.sciencedirect.com/science/article/pii/S0039128X17300259). Steroids. 2017;120:19-25.  | 175/292 | 22 | 2.523 |
| 27. | Jeremić M, Wadepohl H, Kojić V, **Jakimov D**, Jelić R, Popović S, et al. [Synthesis, structural analysis, solution equilibria and biological activity of rhodium(III) complexes with a quinquedentate polyaminopolycarboxylate](https://pubs.rsc.org/en/content/articlelanding/2017/ra/c6ra26199j). RSC Adv. 2017;7(9):5282-96. | 71/171 | 22 | 2.936 |
| 28. | Milošević N, Kojić V, Ćurčić J, Jakimov D, Milić N, Banjac N, et al. [Evaluation of in silico pharmacokinetic properties and in vitro cytotoxic activity of selected newly synthesized N-succinimide derivatives](https://www.sciencedirect.com/science/article/pii/S073170851630526X). J Pharm Biomed Anal. 2017;137:252-7. | 22/80 | 21 | 2.831 |
| 29. | Pejin B, Iodice C, Kojic V, **Jakimov D**, Lazovic M, Tommonaro G. [In vitro evaluation of cytotoxic and mutagenic activity of avarol](https://pubmed.ncbi.nlm.nih.gov/26181496/). Nat Prod Res. 2016;30(11):1293-96. | 29/72 | 22 | 1.828 |
| 30. | Francuz J, Kovačević I, Popsavin M, Benedeković G, Srećo-Zelenović B, et al... **Jakimov D**. [Design, synthesis and in vitro antitumour activity of new goniofufurone and 7-epi-goniofufurone mimics with halogen or azido groups at the C-7 position](https://pubmed.ncbi.nlm.nih.gov/28135634/). Eur J Med Chem. 2017;128:13-24.  | 4/59 | 21а | 4.816 |
| 31. | Popsavin M, Kojić V, Torović Lj, Svirčev M, Spaić S, **Jakimov D**, et al. [Synthesis and in vitro antitumour activity of tiazofurin analogues with nitrogen functionalities at the C-2′ position](https://www.sciencedirect.com/science/article/pii/S022352341630037X). Eur J Med Chem. 2016;111:114-25. | 4/60 | 21a | 4.519 |
| 32. | Kovačević I, Popsavin M, Benedeković G, Kojić V, **Jakimov D**, Rodić MV, et al. [Synthesis and antiproliferative activity of goniobutenolides A and B, 5-halogenated crassalactone D derivatives and the corresponding 7-epimers](https://www.sciencedirect.com/science/article/pii/S0223523415303986). Eur J Med Chem. 2016;108:594-604.  | 4/60 | 21a | 4.519 |
| 33. | Savić M, Klisurić O, Penov-Gasi K, **Jakimov D**, Sakač M, Đurendić E. [Synthesis, structural analysis and cytotoxic activity of novel A- and B-modified d-Homo lactone androstane derivative](https://open.uns.ac.rs/handle/123456789/32385). J Chem Crystallogr. 2016;46(2):84-92.  | 25/26 | 23 | 0.549 |
| 34. | Nikolić A, Petri E, Klisurić O, Celić A, **Jakimov D**, Đurendić E, et al. [Synthesis and anticancer cell potential of steroidal 16,17-seco-16,17a-dinitriles: Identification of a selective inhibitor of hormone-independent breast cancer cells](https://pubmed.ncbi.nlm.nih.gov/25619894/). Bioorg Med Chem. 2015;23(4):703-11.  | 15/58(2014) | 21(2014) | 2.793(2014) |
| 35. | **Jakimov D,** Kojić V, Aleksić L, Bogdanović G, Ajduković J, Đurendić E, et al. [Androstane derivatives induce apoptotic death in MDA-MB-231 breast cancer cells](https://pubmed.ncbi.nlm.nih.gov/26494582/). Bioorg Med Chem. 2015;23(22):7189-98. | 15/58(2014) | 21(2014) | 2.793(2014) |
| 36. | Ajduković J, Penov-Gasi K, **Jakimov D,** Klisurić O, Jovanović-Santa S, Sakač M, et al. [Synthesis, structural analysis and antitumor activity of novel 17alpha-picolyl and 17(E)-picolinylidene A-modified androstane derivatives](https://pubmed.ncbi.nlm.nih.gov/25737400/). Bioorg Med Chem. 2015;23(7):1557-68.  | 15/58(2014) | 21(2014) | 2.793(2014) |
| 37. | Popsavin M, Kojić V, Spaić S, Svirčev M, Bogdanović G, **Jakimov D**, et al. [2-Substituted thiazole-4-carboxamide derivatives as tiazofurin mimics: synthesis and in vitro antitumour activity](https://www.sciencedirect.com/science/article/pii/S0040402014002051). Tetrahedron. 2014;70(14):2343-50.  | 17/58(2013) | 21(2013) | 2.817(2013) |
| **Збирни подаци научне активност наставника** |
| **Збирни подаци уметничке активност наставника** |
| Укупан број цитата, без аутоцитата | 610 |
| Укупан број радова са SCI (или SSCI) листе | 60 |
| Тренутно учешће на пројектима | Домаћи | Међународни |
| Усавршавања |  |  |
| Други подаци које сматрате релевантним |  |
| Максимална дужине не сме бити већа од 2 странице А4 |  |