**Табела. 9.8** Компетентност ментора

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| **Име и презиме** | [Ото Барак](https://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Barak%20Otto%20F&amp;samoar&amp;.XHUqZDoo-Uk) |
| **Звање** | Редовни професор |
| **Ужа научна, уметничка односно стручна област** | Физиологија |
| **Академска каријера** | Година  | Институција  | Ужа научна, уметничка односно стручна област  |
| Избор у звање | 2021. | Медицински факултет Нови Сад | Физиологија |
| Докторат | 2010. | Медицински факултет Нови Сад | Физиологија |
| Магистратура | 2003. | Медицински факултет Нови Сад | Физиологија |
| Диплома | 1998. | Медицински факултет Нови Сад | Општа медицина |
| **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. | ФУНКЦИОНАЛНА АДАПТАЦИЈА СОМАТОСЕНЗОРНОГ СИСТЕМА – ПРАГ НАДРАЖАЈА МЕХАНОРЕЦЕПТОРА КОЖЕ И ЊИХОВА ФУНКЦИОНАЛНА АДАПТАЦИЈА НА ЛАК ДОДИР | Владимир Галић | 2017. |  |
| 2.  | ВАСКУЛАРНА ДИСФУНКЦИЈА КОД ОСОБА ИНФИЦИРАНИХ ВИРУСОМ ХУМАНЕ ИМУНОДЕФИЦИЈЕНЦИЈЕ | Андреј Преведен |  | 2023. |
| 3.  | АНАЛИЗА ОДНОСА МАСЕ И ДИСТРИБУЦИЈЕ МАСНОГ ТКИВА СА ВАРИЈАБИЛНОШЋУ СРЧАНЕ ФРЕКВЕНЦИЈЕ КОД ГОЈАЗНИХ ОСОБА РАЗЛИЧИТИХ МЕТАБОЛИЧКИХ ПРОФИЛА | Марина Растовић |  | 2016. |
| \*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. | Ostojic J**,** Kozic D, Ostojic S, Ilic A, Galic V, Matijasevic J, Dragicevic D, **Barak O**, Boban J. [Decreased Cerebral Creatine and N-Acetyl Aspartate Concentrations after Severe COVID-19 Infection: A Magnetic Resonance Spectroscopy Study](https://www.mdpi.com/2077-0383/13/14/4128). J Clin Med. 2024;13(14):4128. | 58/167(2023) | 22(2023) | 3.0(2023) |
| 2. | Bailey D, Bain A, Hoiland R, **Barak O**, Drvis I, Stacey B, et al. [Severe hypoxaemic hypercapnia compounds cerebral oxidative-nitrosative stress during extreme apnoea: Implications for cerebral bioenergetic function](https://physoc.onlinelibrary.wiley.com/doi/10.1113/JP285555). J Physiol. 2024 Feb 13 | 61/270(2023) | 21(2023) | 4.7(2023) |
| 3. | Preveden A, Čolović P, Garipi E, Bogdan M, Preveden M, Marić D, Brkić S, **Barak O**. [Influence of physical activity on endothelial function in people living with HIV](https://onlinelibrary.wiley.com/doi/10.1111/hiv.13533). HIV Med. 2023 Aug 17 | 57/95 | 22 | 2.8 |
| 4. | Mihalek N, Radovanović D, **Barak O**, Čolović P, Huber M, Erdoes G. [Convalescent plasma and all-cause mortality of COVID-19 patients: systematic review and meta-analysis](https://www.nature.com/articles/s41598-023-40009-8). Sci Rep. 2023;13(1):12904. | 21/72 | 21 | 3.8 |
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|  | 20/68 |

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|  | 42/79 |

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| 7. | Kelly T, Patrician A, Bryant-Ekstrand M, Brown C, Gasho C, et al...**Barak O.** [High prevalence of patent foramen ovale in recreational to elite breath hold divers.](https://www.sciencedirect.com/science/article/pii/S1440244022000779) J Sci Med Sport. 2022;25(7):553-56.  | 16/87 | 21 | 4.0 |
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| 36. | Bain AR, Ainslie PN, **Barak OF**, Hoiland RL, Drvis I, Mijacika T, et al. [Hypercapnia is essential to reduce the cerebral oxidative metabolism during extreme apnea in humans](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5584699/pdf/10.1177_0271678X16686093.pdf). J Cereb Blood Flow Metab. 2017;37(9):3231-42. | 29/261 | 21 | 6.045 |
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| 42. | **Barak OF**, Caljkušić K, Madden D, Ainslie PN, Slavic D, Buca A, et al. [Elevations in intra-cranial blood flow velocities following a SCUBA dive and the influence of post-dive exercise.](https://pubmed.ncbi.nlm.nih.gov/27176888/) Int J Sport Med. 2016;37(8):591-7. | 15/82(2015) | 21(2015) | 2.528(2015) |
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| 53. | Klašnja A, Grujić N, Popadić Gaćeša J, **Barak O**, Tomić S, Brkić S. [Influence of graded exercise therapy on anxiety levels and health-related quality of life in chronic fatigue syndrome.](https://pubmed.ncbi.nlm.nih.gov/24509993/) J Sports Med Phys Fitness. 2014;54(2):210-5. | 60/81 | 23 | 0.972 |
| 54. | **Barak O**, Klašnja A, Popadić Gaćeša J, Ovčin Z, Grujić N. [Gender differences in parasympathetic reactivation during recovery from Wingate anaerobic test](http://hrcak.srce.hr/index.php?show=clanak&id_clanak_jezik=185326). Period Biol. 2014;116(1):53-8. | 84/85 | 23 | 0.139 |
| 55. | Klašnja A, Popadić Gaćeša J, **Barak O**, Karan V, Grujić N. [Peak cardiac power output and cardiac reserve in sedentary men and women](http://hrcak.srce.hr/index.php?show=clanak&id_clanak_jezik=185333). Period Biol. 2014;116(1):59-63. | 84/85 | 23 | 0.139 |
| **Збирни подаци научне активност наставника** |
| Укупан број цитата, без аутоцитата | 950 |
| Укупан број радова са SCI (или SSCI) листе | 61 |
| Тренутно учешће на пројектима | Домаћи: 2 | Међународни: 2 |
| Усавршавања | - стручна размена у склопу међународне сарадње са Московском Медицинском Академијом им. Сеченова- последокторски стручни бравак на Медицинском факултету Свеучилишта у Сплиту |
| Други подаци које сматрате релевантним |  |