**Табела. 9.3.** Компетентност наставника

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Име и презиме** | | | | Душан Мрђа | | | | |
| **Звање** | | | | Редовни професор | | | | |
| **Ужа научна област** | | | | Нуклеарна физика | | | | |
| **Академска каријера** | | | Година | Институција | | | Област | |
| Избор у звање | | | 2017. | ПМФ Нови Сад | | | Нуклеарна физика | |
| Докторат | | | 2007. | ПМФ Нови Сад | | | Нуклеарна физика | |
| Диплома | | | 2001. | ПМФ Нови Сад | | | Нуклеарна физика | |
| **Списак предмета које наставник држи у текућој школској години** | | | | | | | | |
| Р.Б. | | Назив предмета | | | | Врста студија | | |
| 1. | | Интеракције космичког зрачења | | | | Докторске студије | | |
| Најзначајнији радови  **у складу са захтевима допунских стандарда за дато поље** | | | | | | | | |
| 1. | Dusan Mrdja, Istvan Bikit, Kristina Bikit, Jaroslav Slivka, Jan Hansman, László Oláh and Dezső Varga, *First cosmic-ray images of bone and soft tissue*, EPL (Europhysics Letters), Volume 116, Number 4 , 2016. | | | | | | | M21 |
| 2. | I.Bikit, D.Mrdja, K.Bikit, J.Slivka, N.Jovancevic, L.Oláh,G.Hamar,D.Varga, *Novel approach to imaging by cosmic-ray muons*, EPL (Europhysics Letters), 113, 2016 | | | | | | | M21 |
| 3. | D. Mrdja, I. Bikit, K. Bikit, J. Slivka, I. Anicin*, Study of radiation dose induced by cosmic-ray origin low-energy gamma rays and electrons near sea level*, Journal of Atmospheric and Solar-Terrestrial Physics, Volume 123, February 2015, Pages 55-62 | | | | | | | M22 |
| 4. | D. Mrda, I. Bikit, M. Veskovic, J. Slivka, N. Todorovic, J. Nikolov, S. Forkapic, K. Bikit, *Time resolved spectroscopy of cosmic-ray muons induced background*, Astroparticle Physics, Volume 42, 2013, Pages 103-111 | | | | | | | M21 |
| 5. | D. Mrđa, I. Bikit, N. Žikić-Todorović, S. Forkapić, J. Slivka, M. Vesković, *First test of the active shield for a gamma ray spectrometer*, Radiation Measurements, 2007., Vol. 42, str. 1361- 1367 | | | | | | | M21 |
| 6. | Mrđa D., Bikit I., Vesković M., Forkapić S., *Contribution of Pb-210 bremsstrahlung to the background of lead shielded gamma spectometers*, Nuclear Instruments and Methods in Physics Research A, 2007., Vol. 572, str. 739- 744 | | | | | | | M21 |
| 7. | K. Bikit, J. Nikolov, I. Bikit, D. Mrda, N. Todorovic, S. Forkapic, J. Slivka, M. Veskovic, *Reinvestigation of the irregularities in the 3H decay*, Astroparticle Physics, Volume 47, 2013, Pages 38-44 | | | | | | | M21 |
| 8. | Bikit Istvan, Mrdja Dusan, Bikit Kristina, Slivka Jaroslav, Forkapic Sofija*, Study of "A method to enhance coincidence time resolution with applications for medical imaging systems (TOF/PET)"* , RADIATION MEASUREMENTS, (2015), vol. 72 br. , str. 95-99 | | | | | | | M21 |
| 9. | I. Bikit, D. Mrđa, I. Aničin, M. Vesković, *Comment on ‘‘Electron and gamma background in CRESST detectors”*, Astroparticle Physics, 2010., Vol. 34,str. 139–141 | | | | | | | M21 |
| 10. | T. Nemes, D. Mrda, I. Bikit, *Absolute activity measurement of 152Eu sources with a single detector,* Nuclear Instruments and Methods in Physics Research A,2011.,Vol. 648,str. 114–123 | | | | | | | M21 |
| 11. | I.Bikit, T.Nemes, D.Mrda, *Simple method for absolute activity measurement of 60Co source*, Nuclear Instruments and Methods in Physics Research A , 2009.,Vol. 603, str. 333- 336 | | | | | | | M21 |
| 12. | I. Bikit, T.Nemes, D.Mrda, N.Jovancevic, *On the absolute source activity measurement with a single detector:The 133Ba case*, Nuclear Instruments and Methods in Physics Research A, 2009., Vol. 612, str. 103-111 | | | | | | | M21 |
| 13. | I.Bikit, D.Mrda, I.Aničin, M.Veskovic, J.Slivka, M.Krmar, N.Todorovic, S.Forkapic, *Production of X-rays by cosmic muons in heavily shielded gamma ray spectrometers*, Nuclear Instruments and Methods in Physics Research A, 2009., Vol. 606, str.495-500 | | | | | | | M21 |
| 14. | T.Nemes, D.Mrda, I.Bikit, S.Grujic, *An improved formula for determination of the activity via the sum-peak method* , Applied Radiation and Isotopes 114 (2016) 173–178 | | | | | | | M22 |
| 15. | [Bikit Istvan,](http://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Bikit%20Istvan%20S)[Mrdja Dusan,](http://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Mrdja%20Dusan%20S)[Bikit Kristina,](http://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Bikit%20Kristina%20I)[Grujic Selena,](http://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Grujic%20Selena%20D)[Knezevic D,](http://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Knezevic%20D)[Forkapic Sofija,](http://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Forkapic%20Sofija%20M)[Kozmidis-Luburic Uranija, *Radon adsorption by zeolite*, RADIATION MEASUREMENTS, (2015), vol. 72 br. str. 70-74](http://kobson.nb.rs/nauka_u_srbiji.132.html?autor=Kozmidis-Luburic%20Uranija) | | | | | | | M21 |
| **Збирни подаци научне активност наставника** | | | | | | | | |
| Укупан број цитата, без аутоцитата | | | | | 197 ( Извор: Scopus) | | | |
| Укупан број радова са SCI (или SSCI) листе | | | | | 65 ( Извор: Scopus) | | | |
| Тренутно учешће на пројектима | | | | | Домаћи 2 | Међународни --- | | |
| Усавршавања | | | | | Макс Планк Институт, Минхен, Немачка , 2002. година | | | |
| Други подаци које сматрате релевантним --- | | | | | | | | |