

ИНСТИТУТ ТЕХНИЧКИХ НАУКА САНУ

Кнез Михаила 35/IV

11000 Београд, Србија

НАУЧНОМ ВЕЋУ ИНСТИТУТА ТЕХНИЧКИХ НАУКА САНУ

Предмет: Молба за покретање поступка за избор у научно звање

Молим Научно веће Института техничких наука САНУ, да у складу са Правилником о поступку, начину вредновања и квантитативном исказивању научно-истраживачких резултата истраживача ("Сл. Гласник РС", бр. 24/2016, 21/2017 и 38/2017) покрене поступак мог избора у звање научни сарадник.

За чланове комисије за припрему извештаја Научном Већу предлажем:

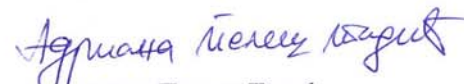
- др Дарка Косановића, виши научни сарадник, Институт техничких наука САНУ
- др Нину Обрадовић, научни саветник, Институт техничких наука САНУ
- др Ненада Тадића, научни сарадник, Универзитет у Београду, Физички факултет

У прилогу достављам:

1. Биографију
2. Библиографију
3. Извештај о цитираности
4. Уверење о стицању звања доктора наука

У Београду, 05.10. 2020.

Подносилац захтева



др Адриана Пелеш Тадић

истраживач сарадник

Института Техничких Наука САНУ

ПРИЛОГ 1 – БИОГРАФИЈА

Др Адриана Пелеш Тадић је рођена 1. августа 1984. године у Београду. Основну и средњу школу завршила је у Београду. Дипломирала је на Физичком факултету Универзитета у Београду, смер Примењена физика и информатика 2011. године са просечном оценом 8,20 одбраном дипломског рада под називом "Коришћење дигиталне видео камере у спектроскопији-калибрација и примене". Докторске академске студије уписала је школске 2012/13 године на Физичком факултету Универзитета у Београду, смер Примењена и компјутерска физика. Докторску дисертацију под називом "Полимерни нанокомпозити на бази PVDF и механички активирани праха ZnO, карактеризација и примена у МЕМС технологијама" Адриана Пелеш Тадић одбранила је 01.10.2020. године на Физичком факултету Универзитета у Београду.

Од јуна 2012. године запослена је као истраживач-приправник у Институту техничких наука САНУ у Београду. У звање истраживач сарадник изабрана је 11.10.2013. године, док је у исто звање реизабрана 06.05.2016. године. На породичком и трудничком одсуству је била у периоду од 2017. до 2018. године, у трајању од 16 месеци и 19 дана. Била је ангажована је на пројектима основних истраживања из области хемије које финансира Министарство за просвету, науку и технолошки развој Републике Србије.

Др Адриана Пелеш Тадић се бавила технологијом и механичком активацијом прахова, синтезом полимерних композита, испитивањем утицаја параметара процесирања на структуру и својства материјала, математичким моделовањем и МЕМС технологијама. Ангажована је на пројектима основних истраживања из области хемије које финансира Министарство за просвету и науку Републике Србије.

Рецензент је часописа *Ceramics International* и *Science of Sintering*.

Члан је Српског керамичког друштва.

ПРИЛОГ 2 – БИБЛИОГРАФИЈА

Радови у врхунском међународном часопису (M21)

1. A. Peleš, V.P. Pavlović, S. Filipović, N. Obradović, L. Mančić, J. Krstić, M. Mitrić, B. Vlahović, G. Rašić, D. Kosanović, V.B. Pavlović, Structural investigation of mechanically activated ZnO powder, *Journal of Alloys and Compounds* 648 (2015) 971-979, doi:10.1016/j.jallcom.2015.06.247 **M21a**
2. D. Kosanović, J. Živojinović, N. Obradović, V.P. Pavlović, V.B. Pavlović, A. Peleš, M.M. Ristić, "The influence of mechanical activation on the electrical properties of Ba_{0.77}Sr_{0.23}TiO₃ ceramics", *Ceramics International*, 40, 8 Part A (2014) 11883-11888, doi:10.1016/j.ceramint.2014.04.023

Радови у истакнутом међународном часопису (M22)

3. **A. Peleš**, O. Aleksić, V. P. Pavlović, V. Djoković, R. Dojčilović, Z. Nikolić, F. Marinković, M. Mitrić, V. Blagojević, B. Vlahović and V. B. Pavlović, Structural and electrical properties of ferroelectric poly(vinylidene fluoride) and mechanically activated ZnO nanoparticle composite films, *Phys. Scr.* 93 (2018) 105801 (11pp), <https://doi.org/10.1088/1402-4896/aad749>
4. Z. Djurić, I. Jokić, **A. Peleš**, Fluctuations of the number of adsorbed molecules due to adsorption-desorption processes coupled with mass transfer and surface diffusion in bio/chemical MEMS sensors, *Microelectronic Engineering* 124 (2014) 81–85, doi:10.1016/j.ceramint.2014.04.023
5. **Peles Adriana**, Djordjevic Natasa, Obradovic Nina, Tadic Nenad, Pavlovic Vladimir, Influence of Prolonged Sintering Time on Density and Electrical Properties of Isothermally Sintered Cordierite-based Ceramics, *Science of Sintering*, 45 (2013) 157-164, doi: 10.2298/SOS1302157P
6. N. Obradović, N. Đorđević, **A. Peleš**, S. Filipović, M. Mitrić, V. B. Pavlović, The Influence of Compaction Pressure on the Density and Electrical Properties of Cordierite-based Ceramics, *Science of Sintering*, 47 (2015) 15-22, doi:10.2298/SOS1501015O

Саопштење штампано у целости са међународног скупа (M33)

- Z. G. Djuric, I. M. Jokic, **A. Peles**, "Highly sensitive graphene-based chemical and biological sensors with selectivity achievable through low-frequency noise measurement Theoretical considerations", *Proceedings of the International Conference on Microelectronics, ICM (2014 29th International Conference on Microelectronics, MIEL 2014)*, IEEE, 2014, pp. 153-156, <http://dx.doi.org/10.1109/MIEL.2014.6842108>

Учешће на међународним конференцијама и семинарима (M34)

1. **Adriana Peleš**, Suzana Filipović, Vera P. Pavlović, Miodrag Mitrić, Nina Obradović, Vladimir B. Pavlović, The influence of mechanical activation on the structure of ZnO, *Program and the Book of Abstracts / Twelfth Young Researchers' Conference Materials Sciences and Engineering December*

11-13, 2013, Belgrade, Serbia (Oral presentation),

<http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/695>

2. Z. Djurić, I. Jokić, **A. Peleš**, Highly Sensitive Graphene-based Chemical and Biological Sensors with Selectivity Achievable through Low-Frequency Noise Measurement Theoretical Considerations, 29th International conference on microelectronics, Belgrade, Serbia 12-14 May 2014 (oral presentation), <http://dx.doi.org/10.1109/MIEL.2014.6842108>

3. **Adriana Peleš**, Zoran Djurić and Ivana Jokić, Analysis of the low-frequency noise spectrum in graphene-based biochemical sensors and its application in analyte recognition and quantification, The Fourteenth Young Researchers' Conference Materials Sciences and Engineering, December 9-11, 2015. Belgrade (oral presentation).

4. Jelena Živojinović, Nina Obradović, Vera P. Pavlović, Vladimir B. Pavlović, **Adriana Peleš**, Momčilo M. Ristić, The influence of mechanical activation on the electrical properties of Ba_{0.77}Sr_{0.23}TiO₃, Advanced Ceramics and Application : new frontiers in multifunctional material science and processing : program and the book of abstracts : II Serbian Ceramic Society Conference, Sep 30th-Oct 1st, 2013, Belgrade (2013) (poster presentation) <http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/387>

5. Nina Obradović, **Adriana Peleš**, N. Đorđević, Smilja Marković, Miodrag Mitrić, Vladimir B. Pavlović, Influence of one activated component on the sintering process of three phase system, The Fifteenth Annual Conference YUCOMAT 2013: Programme and the Book of Abstracts (2013), (poster presentation), <http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/663>

6. Nataša Đorđević, A. Mihajlović, **Adriana Peleš**, Nina Obradović, Vladimir B. Pavlović Influence of MoO₃ on cordierite ceramics sintering and crystallization, The Fifteenth Annual Conference YUCOMAT 2013: Programme and the Book of Abstracts (2013), (poster presentation), <http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/650>

7. Nebojša Labus, J. Krstić, **Adriana Peleš**, Jelena Živojinović, Maria Vesna Nikolić, Density of the ZnTiO₃ nanopowder as a loose powder and as a compact obtained by different methods, Advanced Ceramics and Application : new frontiers in multifunctional material science and processing : program and the book of abstracts : II Serbian Ceramic Society Conference, Sep 30th-Oct 1st, 2013, Belgrade (2013) (poster presentation), <http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/673>

8. Jelena Živojinović, Darko Kosanović, Nina Obradović, **Adriana Peleš**, Nebojša Labus, Suzana Filipović, Vladimir B. Pavlović, Miodrag Mitrić, Momčilo Ristić, Dilatometric Analysis of Mechanically Activated SrTiO₃ Powder, Advanced Ceramics and Application : new frontiers in multifunctional material science and processing : program and the book of abstracts : II Serbian Ceramic Society Conference, Sep 30th-Oct 1st, 2013, Belgrade (2013), (poster presentation), <http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/676>

9. **Adriana Peleš**, Vera P. Pavlović, Nina Obradović, Jelena Živojinović, Miodrag Mitrić, Vladimir B. Pavlović, Characterization of mechanically activated ZnO powder, Advanced Ceramics and

Application : new frontiers in multifunctional material science and processing : program and the book of abstracts : II Serbian Ceramic Society Conference, Sep 30th-Oct 1st, 2013, Belgrade, (poster presentation), <http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/688>

10. Nina Obradović, Nataša Đorđević, Nebojša Labus, **Adriana Peleš**, Miodrag Mitrić, Vladimir B. Pavlović, Density and electrical properties of cordierite based ceramics as function of compaction pressure, Advanced Ceramics and Application : new frontiers in multifunctional material science and processing : program and the book of abstracts : II Serbian Ceramic Society Conference, Sep 30th-Oct 1st, 2013, Belgrade (2013), (poster presentation), <http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/678>

11. Zoran Đurić, Ivana Jokić, **Adriana Peleš**, Fluctuations of the number of adsorbed molecules due to adsorption-desorption processes coupled with mass transfer and surface diffusion in bio/chemical MEMS sensors, The 39th International Conference on Micro and Nano Engineering MNE 2013, 16-19 September 2013, London, UK (Poster presentation), <http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/820>

12. Vladimir B. Pavlović, **Adriana Peleš**, Vera P. Pavlović, V. Đoković, R. Dojčilović, M. Dukić, B. Vlahović, Piezoelectric polymer/ceramic nanostructures for mechanical energy harvesting, Advanced Ceramics and Application : new frontiers in multifunctional material science and processing : program and the book of abstracts : II Serbian Ceramic Society Conference, Sep 30th-Oct 1st, 2013, Belgrade, (poster presentation),

13. **A. Peleš**, S. Filipović, N. Obradović, J. Krstić, V. Pavlović, The morphological characterization of mechanically activated ZnO powder, Advanced Ceramics and Application III, 29.09.-01.10.2014, Belgrade, Serbia (poster presentation), <http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/875>

14. Zoran Djurić, Ivana Jokić and **Adriana Peleš**, Analyte Recognition And Quantification Based On Fluctuation Phenomena On The Active Surface Of Biochemical Sensors, The 19th Symposium on Condensed Matter Physics - SFKM 2015, Belgrade - Serbia (poster presentation), <http://www.sfkm.ac.rs/book.pdf>

15. N. Tadić, **A. Peleš**, N. Radić, B. Stojadinović, B. Grbić, R. Vasilić, S. Stojadinović, Photocatalytic properties of Al₂O₃/ZnO coatings formed by plasma electrolytic oxidation on aluminum substrate, Advanced Ceramics and Application IV, 21.09.-23.09.2015 Belgrade, Serbia (poster presentation), <http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/690>

Учешће на домаћим конференцијама (M64)

Suzana Filipović, Nina Obradović, Vladimir B. Pavlović, Adriana Peleš, Smilja Marković, Miodrag Mitrić, Nebojša Mitrović, Mehanohemijaska Sinteza Magnezijum Titanata, Etran 2-5 juna 2014, Vrnjačka Banja, Srbija (oral presentation), <http://www.itn.sanu.ac.rs/opus4/frontdoor/index/index/docId/903>

Докторска дисертација (М70)

Адриана П. Пелеш Тадић *"ПОЛИМЕРНИ НАНОКОМПОЗИТИ НА БАЗИ PVDF И МЕХАНИЧКИ АКТИВИРАНОГ ПРАХА ZnO, КАРАКТЕРИЗАЦИЈА И ПРИМЕНА У МЕМС ТЕХНОЛОГИЈАМА"*

Физички факултет, Универзитет у Београду, 01.10.2020.

ПРИЛОГ 3 – ИЗВЕШТАЈ О ЦИТИРАНОСТИ ДР АДРИАНЕ ПЕЛЕШ ТАДИЋ

(према индексним базама *Web of Science Core Collection* и *Scopus*, на дан 5. 10. 2020)

укупан број цитата: 37

хетероцитати: 21

h-индекс = 5

1. Structural investigation of mechanically activated ZnO powder

By: Peles, A.; Pavlovic, V. P.; Filipovic, S.; et al.

JOURNAL OF ALLOYS AND COMPOUNDS Volume: 648 Pages: 971-979 Published: NOV 5 2015

Хетероцитати

1. Shin, J.; You, J.-M.; Lee, J. Z.; Kumar, R.; Yin, L.; Wang, J.; Meng, Y. S. Deposition of ZnO on Bismuth Species towards a Rechargeable Zn-Based Aqueous Battery. *PHYSICAL CHEMISTRY CHEMICAL PHYSICS* **2016**, *18* (38), 26376–26382. <https://doi.org/10.1039/c6cp04566a>.
2. Carvalho, M. H.; Rizzo Piton, M.; Lemine, O. M.; Bououdina, M.; Galeti, H. V. A.; Souto, S.; Pereira, E. C.; Galvão Gobato, Y.; De Oliveira, A. J. A. Effects of Strain, Defects and Crystal Phase Transition in Mechanically Milled Nanocrystalline In₂O₃ Powder. *Materials Research Express* **2019**, *6* (2). <https://doi.org/10.1088/2053-1591/aec62>.
3. Soni, A.; Mulchandani, K.; Mavani, K. R. Effects of Substrates on the Crystalline Growth and UV Photosensitivity of Glancing Angle Deposited Porous ZnO Nanostructures. *Sensors and Actuators, A: Physical* **2020**, *313*. <https://doi.org/10.1016/j.sna.2020.112140>.
4. Türemiş, M.; Keskin, I. Ç.; Katı, M. I.; Kibar, R.; Şirin, K.; Çanlı, M.; Çorumlu, V.; Çetin, A. Optimizing Optical and Structural Properties of Nanocomposites by ZnO and BP-3. *Russian Journal of Physical Chemistry A* **2018**, *92* (9), 1762–1771. <https://doi.org/10.1134/S0036024418090315>.
5. Brankov, M.; Locharoenrat, K. Photostability Testing for Coumarin-153 Doped ZnO Thin Films Prepared with Spin-Coating Technique. *UKRAINIAN JOURNAL OF PHYSICAL OPTICS* **2016**, *17* (2), 75–80.
6. Yakushova, N. D.; Pronin, I. A.; Averin, I. A.; Vishnevskaya, G. V.; Syrov, M. M.; Levitsky, V. S.; Karmanov, A. A.; Moshnikov, V. A. Research of Structural Properties of Zinc Oxide Nanopowders Obtained by High-Energy Mechanical Milling (Attritor) Using Raman Spectroscopy. In *Journal of Physics: Conference Series*; Institute of Physics Publishing, 2017; Vol. 872. <https://doi.org/10.1088/1742-6596/872/1/012032>.
7. Marković, S.; Stanković, A.; Dostanić, J.; Veselinović, L.; Mančić, L.; Škapin, S. D.; Dražić, G.; Janković-Častvan, I.; Uskoković, D. Simultaneous Enhancement of Natural Sunlight- and Artificial UV-Driven Photocatalytic Activity of a Mechanically Activated ZnO/SnO₂ Composite. *RSC Advances* **2017**, *7* (68), 42725–42737. <https://doi.org/10.1039/c7ra06895f>.

Коцитати

8. Živojinović, J.; Pavlović, V. P.; Kosanović, D.; Marković, S.; Krstić, J.; Blagojević, V. A.; Pavlović, V. B. The Influence of Mechanical Activation on Structural Evolution of Nanocrystalline SrTiO₃ Powders. *Journal of Alloys and Compounds* **2017**, 695, 863–870. <https://doi.org/10.1016/j.jallcom.2016.10.159>.

Аутоцитати

9. Peleš, A.; Aleksić, O.; Pavlović, V. P.; Djoković, V.; Dojčilović, R.; Nikolić, Z.; Marinković, F.; Mitrić, M.; Blagojević, V.; Vlahović, B.; Pavlović, V. B. Structural and Electrical Properties of Ferroelectric Poly(Vinylidene Fluoride) and Mechanically Activated ZnO Nanoparticle Composite Films. *Physica Scripta* **2018**, 93 (10). <https://doi.org/10.1088/1402-4896/aad749>.

2. The Influence of Compaction Pressure on the Density and Electrical Properties of Cordierite-based Ceramics

By: Obradovic, N.; Dordevic, N.; Peles, A.; et al.

SCIENCE OF SINTERING Volume: 47 Issue: 1 Pages: 15-22 Published: JAN-APR 2015

Хетероцитати

1. Ayala-Landeros, J. G.; Saucedo-Rivalcoba, V.; Bribiesca-Vasquez, S.; Castaño, V. M.; Martínez-Hernández, A. L.; Velasco-Santos, C. Influence of Corn Flour as Pore Forming Agent on Porous Ceramic Material Based Mullite: Morphology and Mechanical Properties. *Science of Sintering* **2016**, 48 (1), 29–39. <https://doi.org/10.2298/SOS1601029A>.

Коцитати

2. Pavlovic, M.; Andric, L.; Radulovic, D.; Drmanic, S.; Dordevic, N.; Petrov, M. Influence of Mechanical Activation of a Cordierite-Based Filler on Sedimentation Stability of Lost Foam Refractory Coatings. *SCIENCE OF SINTERING* **2019**, 51 (1), 15–25. <https://doi.org/10.2298/SOS1901015P>.
3. Obradovic, N.; Blagojevic, V.; Filipovic, S.; Dordevic, N.; Kosanovic, D.; Markovic, S.; Kachlik, M.; Maca, K.; Pavlovic, V. Kinetics of Thermally Activated Processes in Cordierite-Based Ceramics. *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY* **2019**, 138 (5), 2989–2998. <https://doi.org/10.1007/s10973-018-7924-1>.
4. Obradovic, N.; Filipovic, S.; Dordevic, N.; Kosanovic, D.; Pavlovic, V.; Olcan, D.; Dordevic, A.; Kachlik, M.; Maca, K. Microstructural and Electrical Properties of Cordierite-Based Ceramics Obtained After Two-Step Sintering Technique. *SCIENCE OF SINTERING* **2016**, 48 (2), 157–165. <https://doi.org/10.2298/SOS1602157O>.
5. Obradovic, N.; Pavlovic, V.; Kachlik, M.; Maca, K.; Olcan, D.; Dordevic, A.; Tshantshapanyan, A.; Vlahovic, B.; Pavlovic, V. Processing and Properties of Dense Cordierite Ceramics Obtained through Solid-State Reaction and Pressure-Less Sintering. *ADVANCES IN APPLIED CERAMICS* **2019**, 118 (5), 241–248. <https://doi.org/10.1080/17436753.2018.1548150>.
6. Obradovic, N.; Dordevic, N.; Filipovic, S.; Markovic, S.; Kosanovic, D.; Mitric, M.; Pavlovic, V. Reaction Kinetics of Mechanically Activated Cordierite-Based Ceramics

Studied via DTA. *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY* **2016**, 124 (2), 667–673. <https://doi.org/10.1007/s10973-015-5132-9>.

7. Obradović, N.; Gigov, M.; Đorđević, A.; Kern, F.; Dmitrović, S.; Matović, B.; Đorđević, A.; Tshantshapanyan, A.; Vlahović, B.; Petrović, P.; Pavlović, V. Shungite – a Carbon-Mineral Rock Material: Its Sinterability and Possible Applications. *Processing and Application of Ceramics* **2019**, 13 (1), 89–97. <https://doi.org/10.2298/PAC1901089O>.

3. Fluctuations of the number of adsorbed molecules due to adsorption-desorption processes coupled with mass transfer and surface diffusion in bio/chemical MEMS sensors

By: Djuric, Zoran; Jokic, Ivana; Peles, Adriana

MICROELECTRONIC ENGINEERING Volume: 124 Pages: 81-85 Published: JUL 25 2014

Хетероцитати

1. Karparvarfard, S. M. H.; Asghari, M.; Vatankhah, R. A Geometrically Nonlinear Beam Model Based on the Second Strain Gradient Theory. *International Journal of Engineering Science* **2015**, 91, 63–75. <https://doi.org/10.1016/j.ijengsci.2015.01.004>.
2. Yayli, M. O.; Kandemir, S. Y.; Cercevik, A. E. A Practical Method for Calculating Eigenfrequencies of a Cantilever Microbeam with the Attached Tip Mass. *JOURNAL OF VIBROENGINEERING* **2016**, 18 (5), 3070–3077. <https://doi.org/10.21595/jve.2016.16636>.
3. Aćimović, S. S.; Šípová-Jungová, H.; Emilsson, G.; Shao, L.; Dahlin, A. B.; Käll, M.; Antosiewicz, T. J. Antibody–antigen Interaction Dynamics Revealed by Analysis of Single-Molecule Equilibrium Fluctuations on Individual Plasmonic Nanoparticle Biosensors. *ACS Nano* **2018**, 12 (10), 9958–9965. <https://doi.org/10.1021/acs.nano.8b04016>.
4. Negi, S.; Mittal, P.; Kumar, B.; Juneja, P. K. Organic LED Based Light Sensor for Detection of Ovarian Cancer. *Microelectronic Engineering* **2019**, 218. <https://doi.org/10.1016/j.mee.2019.111154>.
5. Sovilj, P.; Vujičić, B.; Sokola, M.; Pejić, D.; Beljić, Ž.; Mitrović, Z. Stochastic Measurement of Noise True Rms Using Two-Bit Flash A/D Converters. *Tehnicki Vjesnik* **2017**, 24 (5), 1315–1322. <https://doi.org/10.17559/TV-20151124100705>.

Коцитати

6. Jakšić, O.; Jokić, I.; Frantlović, M.; Randjelović, D.; Tanasković, D.; Lazić, Z.; Vasiljević-Radović, S. Joint Effect of Heterogeneous Intrinsic Noise Sources on Instability of MEMS Resonators. *Electronics* **2015**, 19 (2), 59–65. <https://doi.org/10.7251/ELS1519059J>.

4. Influence of Prolonged Sintering Time on Density and Electrical Properties of Isothermally Sintered Cordierite-based Ceramics

By: Peles, A.; Dordevic, N.; Obradovic, N.; et al.

SCIENCE OF SINTERING Volume: 45 Issue: 2 Pages: 157-164 Published: MAY-AUG 2013

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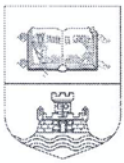
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На основу члана 29 Закона о општем управном поступку («Службени гласник РС» број 18/2016 и 95/2018), и члана 149 Статута Универзитета у Београду - Физичког факултета, по захтеву АДРИАНЕ ПЕЛЕШ ТАДИЋ, мастер физичара, издаје се следеће

У В Е Р Е Њ Е

АДРИАНА ПЕЛЕШ ТАДИЋ, мастер физичар, дана 1. октобра 2020. године, одбранила је докторску дисертацију под називом

„ПОЛИМЕРНИ НАНОКОМПОЗИТИ НА БАЗИ PVDF И МЕХАНИЧКИ АКТИВИРАНОГ ПРАХА ZnO,
КАРАКТЕРИЗАЦИЈА И ПРИМЕНА У МЕМС ТЕХНОЛОГИЈАМА”

пред Комисијом Универзитета у Београду - Физичког факултета и тиме испунила све услове за промоцију у ДОКТОРА НАУКА – ФИЗИЧКЕ НАУКЕ.

Уверење се издаје на лични захтев, а служи ради регулисања права из радног односа и важи до промоције, односно добијања докторске дипломе.

Уверење је ослобођено плаћања таксе.



ДЕКАН ФИЗИЧКОГ ФАКУЛТЕТА

Проф. др Иван Белча