Табела 1. Подаци о наставницима Факултета техничких наука у Косовској Митровици потребни за унапређење сајта факултета

Име и Презиме	Милена Мајкић
Звање	Ванредни професор
Катедра	Катедра за математику и физику
Стручни назив	Доктор наука - физика
Ужа научна област	Теоријска физика интеракција атомских система са површином чврстог тела
Датум избора у звање	1.07.2020.

Предмети које наставник држи на основним, мастер и докторским студијама (по акредитацији из 2021. године)

1.	OT2	Техничка физика 1
2.	3OE	Физика
3.	OT6	Техничка физика 2
4.		Техничка физика
5.	OM5	Физика и мерења
6.	5OE	Лабораторијске вежбе из физике
7.	O38	Утицај зрачења на безбедност и здравље на раду
8.	O316	Заштита животне средине од зрачења и буке

Збирни подаци научне, односно уметничке и стручне активности наставника – подаци који ће бити приказани на почетној страни (на сајту факултета) за наставника

Укупан број радова по категоријама

Категорија	Број радова
M21	1
M22	7
M23	1
M31	3
M33	21
M52	1

Цитираност

Укупан број цитата: **21 (без аутоцитата)**

h-index:

Веб-сајтови и друштвене мреже (Scopus, ORCID, Google scholar, Research gate …)

https://www.researchgate.net/profile/Milena-Majkic

Библиографија – подаци који ће се приказати за наставника кликом на одговарајући линк на сајту факултета

Радови у часописима са SCI листе

1.	**M22** **M. D. Majkić** and N. N. Nedeljković *Velocity effect on the nanostructure creation at a solid surface by the impact of slow highly charged ions*

	Vacuum 190 (2021), 110301 **DOI: https://doi.org/10.1016/j.vacuum.2021.110301**
2.	**M22** **M. D. Majkić**, N. N. Nedeljković and M.A.Mirković *Neutralization energy contribution to the nanostructure creation by the impact of highly charged ions at arbitrary angle of incidence upon a metal surface covered with a thin dielectric film* Vacuum 165 (2019), 62-67 **DOI:** https://doi.org/10.1016/j.vacuum.2019.04.002
3.	**M23** **M. D. Majkić**, N. N. Nedeljković and R. J. Dojčilović *Interaction of slow highly charged ions with a metal surface covered with a thin dielectric film . The role of the neutralization energy in the nanostructures formation* Mater. Res. Express 4 (2017), 095027 **DOI:** https://doi.org/10.1088/2053-1591/aa8bc7
4.	**M22** N. N. Nedeljković, **M. D. Majkić**, D. K. Božanić and R. J. Dojčilović *Dynamics of the Rydberg state population of slow highly charged ions impinging a solid surface at arbitrary collision geometry* J. Phys. B: At. Mol. Opt. Phys. **49** (2016), 125201 **DOI:** https://doi.org/10.1088/0953-4075/49/12/125201
5.	**M22** N. N. Nedeljković, **M. D. Majkić**, S. M. D. Galijaš *Grazing incidence collisions of multiply charged ions on solid surfaces. Influence of the formation of intermediate Rydberg states* J. Phys. B: At. Mol. Opt. Phys. **45** (2012) 215202 **DOI**: https://doi.org/10.1088/0953-4075/45/21/215202
6.	**M22** S. M. D. Galijaš, N. N. Nedeljković, **M. D. Majkić** *Resonances in the Final Rydberg State Population of Multiply Charged Ions ArVIII, KrVIII, and XeVIII Escaping Solid Surfaces* Surf. Sci. **605**, (2011) 723-732 **DOI:** https://doi.org/10.1016/j.susc.2011.01.008
7.	**M22** N. N. Nedeljković, S. M. D. Galijaš, **M. D. Majkić** *Final Rydberg State Population Probabilities of Multiply Charged Ions Escaping Solid Surfaces* Surf. Sci. **603**, (2009) 2403-2412 **DOI:** https://doi.org/10.1016/j.susc.2009.05.016
8.	**M22** N. N. Nedeljković, **M. D. Majkić**, S. M. D. Galijaš, S. B. Mitrović *Population Dynamics of the Ions SVI, ClVII and ArVIII Interacting with Solid Surfaces* Applied Surface Science **254**, (2008) 7000-7007. **DOI:** https://doi.org/10.1016/j.apsusc.2008.05.274
9.	**M21** N. N. Nedeljković and **M. D. Majkić** *Intermediate Stages of the Rydberg-Level Population of Multiply Charged Ions Escaping Solid Surfaces* Phys. Rev. A **76,** (2007) 042902 **DOI**: https://doi.org/10.1103/PhysRevA.76.042902
10.	**M31** **M. D. Majkić**, N. N. Nedeljković, S. M. D. Galijaš *Intermediate stages of the neutralization of multiply charged ions interacting with solid surfaces* *J. Phys.: Conf. Ser.* **399**, (2012) 012009 **DOI**: https://doi.org/10.1088/1742-6596/399/1/012009
11.	**M31** S. M. D. Galijas, N. N. Nedeljkovic and **M. D. Majkic** *The non-resonant neutralization dynamics of the multiply charged Rydberg ions escaping solid surfaces* *J. Phys.: Conf. Ser.* **399**, (2012) 012008 **DOI**: https://doi.org/10.1088/1742-6596/399/1/012008
Радови у часописима ван SCI листе	

1. M. D. Majkić, N. N. Nedeljković and M.A.Mirković, (2019), Effect of the cascade neutralization energy on the surface modification by the impact of slow highly charged ions, University Thought - Publication in Natural Sciences

DOI: 10.5937/univtho9-22085

Радови са међународних конференција

1. STABRAWA, Ilona (Jan Kochanowski University of Kielce); BANAS, Dariusz (Jan Kochanowski University); Prof. KUBALA-KUKUŚ, Aldona (Institute of Physics, Jan Kochanowski University); JABŁOŃSKI, Łukasz (Jan Kochanowski University in Kielce); JAGODZIŃSKI, Paweł (Jan Kochanowski University, Kielce); SOBOTA, Daniel (Institute of Physics, Jan Kochanowski University in Kielce); Mr SZARY, Karol (Institute of Physics, Jan Kochanowski University); PAJEK, Marek (Institute of Physics, Jan Kochanowski University); Dr MENDYK, Ewaryst (Department of Chemistry, M. Curie-Skłodowska University); Mr SKRZYPIEC, Kzysztof (Department of Chemistry, M. Curie-Skłodowska University); Mr TEODORCZYK, Marian (Institute of Electronic Materials Technology); Prof. BORYSIEWICZ, Michał (Institute of Electronic Technology,); Prof. MAJKIC, Milena (Faculty of Technical Sciences, University of Pristina); Prof. NEDELJKOVIC, Natasa (Faculty of Physics, University of Belgrade)

Mechanism of nanostructure formation in interaction of slow, highly charged xenon ions with gold surface

18th SPARC Topical Workshop, 6-9 September 2021, pp 44

https://indico.gsi.de/event/12711/attachments/36390/49170/20210906_SPARC_WK_BookOfAbstracts.pdf

2. Special Session “Atomic Collisions in Plasmas” Devoted to Ratko Janev

N. N. Nedeljković and M. D. Majkić

Two-State Vector Model for the Ion-Surface Interaction: Foundation and Application

Contributed Papers, 30th Summer School and

International Symposium on the Physics of Ionized Gases - SPIG, Šabac, Serbia,

August 24 -28, 2020 , pp 327

http://spig2020.ipb.ac.rs/Spig2020-Book-Onine.pdf

3. M. D. Majkić, N. N. Nedeljković and M. A. Mirković

Ionic Velocity as a Measure of an Interplay of the Neutralization Energy and the Deposited Kinetic Energy in the Surface Nanostructure Creation

Contributed Papers, 30th Summer School and International Symposium on the Physics of

Ionized Gases - SPIG, Šabac, Serbia, August 24 -28, 2020 , pp 101-104
http://spig2020.ipb.ac.rs/Spig2020-Book-Onine.pdf

4. M. D. Majkić, N. N. Nedeljković and R. J. Dojčilović
Interplay of the Ion-Surface Collision Parameters and Their Role in the Nanostructure Formation, Contributed Papers, 29th Summer School and International Symposium on the Physics of Ionized Gases - SPIG, August 28-1sept, 2018, Belgrade , pp 86-90
http://www.spig2018.ipb.ac.rs/SPIG2018-book-online.pdf

5. M. D.Majkić, N. N. Nedeljković, R. J. Dojčilović and M. A. Mirković
Effect of the Ionic Core Polarization on the Neutralization in a Dielectric film at Metal Surface
Contributed Papers, 29th Summer School and International Symposium on the Physics of Ionized Gases - SPIG, August 28- 1sept, 2018, Belgrade, Serbia, pp 90-94
http://www.spig2018.ipb.ac.rs/SPIG2018-book-online.pdf

6. N. N. Nedeljković , M. D.Majkić and M. A. Mirković
Influence of the Collision Geometry on the Neutralization of Highly Charged Ions at Metal Surface Covered with a thin Dielectric Film, Contributed Papers, 29th Summer School and International Symposium on the Physics of Ionized Gases – SPIG 2018, August 28- 1sept, 2018, Belgrade, Serbia, pp 94-98
http://www.spig2018.ipb.ac.rs/SPIG2018-book-online.pdf

7. M. D.Majkić, R. J. Dojčilović and N. N. Nedeljković
Final Charge and Energy Z -Distributions of Slow ArZ+, KrZ+ and XeZ+ Ions in Front of a Solid Surface,28th Summer School and International Symposium on the Physics of Ionized Gases- SPIG, August 29- 2sept, 2016, Belgrade, Serbia, pp 162-166
http://www.spig2016.ipb.ac.rs/spig2016-book-online.pdf

8. M. D. Majkić, N. N. Nedeljković, D. K. Božanić and R. J. Dojčilović
Rydberg State Population of Slow ArXV, KrXV and XeXV Ions Impinging a Solid Surface at Arbitrary Collision Geometry,28th Summer School and International Symposium on the Physics of Ionized Gases August 29- 2sept, 2016, Belgrade, Serbia, pp 166-170
http://www.spig2016.ipb.ac.rs/spig2016-book-online.pdf

9. N. N. Nedeljković, M. D. Majkić, M. A. Mirković and R. J. Dojčilović
Cascade Neutralization of Slow Highly Charged Ions Impinging a Solid Surface at

Arbitrary Collision Geometry, 28th Summer School and International Symposium on the Physics of Ionized Gases August 29- 2sept, 2016, Belgrade, Serbia, pp 174-178 http://www.spig2016.ipb.ac.rs/spig2016-book-online.pdf

10. M.D.Majkić, S.M.D.Galijaš, I.P.Prlina and N.N. Nedeljković Population Dynamics of the SVI, ClVII and ArVIII Ions in the Grazing Incidence on Solid Surface,27th Summer School and International Symposium on the Physics of Ionized Gases- SPIG, August 26- 29, 2014, Belgrade, Serbia, http://www.spig2014.ipb.ac.rs/doc/SPIG2014-book-online.pdf

11. N.N. Nedeljković, M.D.Majkić and S.M.D.Galijaš Effect of the Solid Work Function on the Population of the Ar X Ions in the Grazing Incidence Geometry, 27th Summer School and International Symposium on the Physics of Ionized Gases- SPIG, August 26- 29, 2014, Belgrade, Serbia http://www.spig2014.ipb.ac.rs/doc/SPIG2014-book-online.pdf

12. M. D. Majkić, N. N. Nedeljković, R. Dojčilović and M. B. Obradović: TVM v.s. kinetic energy gain for multiply charged ions interacting with solid surfaces, 26th Summer School and International Symposium on the Physics of Ionized Gases, SPIG, August 27th- 31st 3, 2012, Zrenjanin, Serbia, 399, pp 99-102 http://spig2012.pmf.uns.ac.rs/

13. S. M. D. Galijaš, N. N. Nedeljković, M. D. Majkić and I. P. Prlina, Population of the Rydberg states of the ArVIII, KrVIII and XeVIII ions at solid surface for grazing incidence 26th Summer School and International Symposium on the Physics of Ionized Gases, SPIG, August 27th- 31st 3, 2012, Zrenjanin, Serbia, 399, pp 95-98 http://spig2012.pmf.uns.ac.rs/

14. N. N. Nedeljković, M. D. Majkić, S. M. D. Galijaš and M. A. Mirković, Population probabilities of multiply charged ions interacting with solid surface: parallel velocity effect, 26th Summer School and International Symposium on the Physics of Ionized Gases, SPIG, August 27th- 31st 3, 2012, Zrenjanin, Serbia, 399, pp 91-94 http://spig2012.pmf.uns.ac.rs/

15. M. D. Majkić, N. N. Nedeljković, and S. M. D. Galijaš

Neutralization of Multiply Charged Rydberg Ions Interacting With Solid Surfaces under the Grazing Incidence Geometry, 25th Summer School and International Symposium on the Physics of Ionized Gases, August 30 -September 3, 2010, Donji Milanovac, Serbia, Contributed Papers & abstracts of invited lectures and progress reports, eds. L. Č. Popović and M. M. Kuraica, Publications of the Astronomical Observatory of Belgrade 89, (2010) 105-108. http://webhost.rcub.bg.ac.rs/~spig2010/

16. S. M. D. Galijaš, N. N. Nedeljković, M. D. Majkić, and A. B. Bunjac The effect of core polarization on the population of the Rydberg states of Ar VIII ions escaping solid surfaces, 25th Summer School and International Symposium on the Physics of Ionized Gases, August 30 - September 3, 2010, Donji Milanovac, Serbia, Contributed Papers & abstracts of invited lectures and progress reports, eds. L. Č Popović and M. M. Kuraica, Publications of the Astronomical Observatory of Belgrade 89, (2010) 101-104. http://webhost.rcub.bg.ac.rs/~spig2010/

17. M. D. Majkić, N. N. Nedeljković, S. M. D. Galijaš Neutralization Distances of ArZ+ Rydberg Ions Interacting with Solid Surfaces, 24th Summer School and International Symposium on the Physics of Ionized Gases, August 25-29, 2008, Novi Sad, Serbia, Contributed Paper, Publ. Astron. Obs. Belgrade 84, (2008) 161-164 http://www.spig2008.phy.bg.ac.rs/

18. M. D. Majkić, N. N. Nedeljković, D. P. Majkić Kinetic energy gain for ions interacting with solid surface, ENS -1.10 Infoteh – Jahorina (2014) https://www.infoteh.rs.ba/zbornik/2014/radovi.html

19. M. D. Majkić, N. N. Nedeljković, D. P. Majkić Analysis of interaction of ArVIII, KrVIII and XeVIII ions with the surface using MATLAB, Origin and Coreldraw, ENS-1.11 Infoteh -Jahorina (2014) https://www.infoteh.rs.ba/zbornik/2014/radovi.html

20. N. N. Nedeljković, Lj. D. Nedeljković, M. D. Majkić, and M. S. Dražić,

Neutralization in the quantum teleology of the ion-surface interaction, 23rd Summer School and International Symposium on the Physics of Ionized Gases, August 28-September, 2006, Kopaonik, Serbia, Contributed papers (2006) pp. http://spig2006.ipb.ac.rs/Papers.htm#Section221

21. Lj. D. Nedeljković, N. N. Nedeljković, M. D. Majkić and D. I. Kelemen Neutralization rates of 3CRydberg ions within the QTM of the ion- surface interaction, 23rd Summer School and International Symposium on the Physics of Ionized Gases, August 28-September, 2006, Kopaonik, Serbia, Contributed papers (2006) pp. http://spig2006.ipb.ac.rs/Papers.htm#Section221

Радови са домаћих конференција

Књиге и монографије
Напомена: свака књига/монографија мора да има наведене: ауторе, годину публиковања, назив издавача, ИСБН број и тип књиге (уџбеник, монографија, помоћни уџбеник ...).

1. Физика 1, за студенте Факултета техничких наука, Милена Мајкић, 2019, одобрено од стране Наставно-научног већа Факултета техничких наука у Косовској Митровици на седници одржаној 19.06.2019. год, број 663/3-8

   ИСБН 978-86-80893-97-6, Уџбеник (Уџбеник, одлука, рецензија)

Пројекти

Национални

1. Учесник пројекта ON 171029 Министарства просвете, науке и технолошког развоја Републике Србије под називом „Проучавање утицаја третирања на диелектричне, оптичке, магнетне и особине површина кристалних и полимерних система“.

Међународни

Области интересовања

Други подаци које сматрате релевантним (признања, награде, елаборати, студије, чланства, сертификати, усавршавања, комерцијални пројекти итд.)