

Табела. 9.6. Компетентност наставника

Име и презиме		Ненад Лазаревић		
Звање		виши научни сарадник		
Ужа научна област		физика кондензоване материје и статистичка физика		
Академска каријера	Година	Институција	Област	Ужа научна односно уметничка област
Избор у звање	2017	Институт за физику у Београду	физика	физика кондензоване материје и статистичка физика
Докторат	2012	Физички факултет, Универзитет у Београду	физика	физика кондензоване материје и статистичка физика
Магистратура				
Мастер диплома				
Диплома	2008	Физички факултет, Универзитет у Београду	физика	физика кондензоване материје и статистичка физика
<b>Списак предмета које наставник држи на докторским студијама</b>				
Р.Б.	Ознака	Назив предмета		
1.	ФИЗДФКМ1	Спектроскопске технике у физици кондензоване материје		
Најзначајнији радови у складу са захтевима допунских услова стандарда за дато поље (минимално 10 не више од 20)				
1.	Nenad Lazarević and Rudi Hackl, <i>Fluctuations and pairing in Fe-based superconductors: light scattering experiments</i> , J. Phys.: Condens. Matter 32 413001 (2020). (Review article)		ИФ= 2.711 M22	
2.	Sanja Djurdjić Mijin, AM Milinda Abeykoon, Andrijana Šolajić, Ana Milosavljević, Jelena Pešić, Yu Liu, Cedomir Petrovic, Zoran V Popović, <b>Nenad Lazarević</b> , <i>Short-Range Order in V13</i> , Inorg. Chem., 59, 22, 16265–16271 (2020).		ИФ= 4.85 M21a	
3.	A. Baum, H. N. Ruiz, <b>N. Lazarević</b> , YaoWang, T. Böhm, R. Hosseinian Ahangharnejhad, P. Adelman, T. Wolf, Z. V. Popović, B. Moritz, T. P. Devereaux and R. Hackl, <i>Frustrated spin order and stripe fluctuations in FeSe</i> , Communications Physics, 2, 14 (2019)		ИФ= 4.684 M21	
4.	Feng Jin, <b>Nenad Lazarević</b> , Changle Liu, Jianting Ji, Yimeng Wang, Shuna He, Hechang Lei, Cedomir Petrovic, Rong Yu, Zoran V. Popović, and Qingming Zhang, <i>Phonon anomalies and magnetic excitations in BaFe2Se2O</i> , Phys. Rev. B 99, 144419 (2019)		ИФ= 3.813 M21	
5.	Ana Milosavljević, Andrijana Šolajić, Bojana Višić, Marko Opačić, Jelena Pešić,		IF = 2.809 M21	

	Yu Liu, Cedomir Petrovic, Zoran V Popović, <b>Nenad Lazarević</b> , <i>Vacancies and spin-phonon coupling in <math>CrSi_{0.8}Ge_{0.1}Te_3</math></i> , <i>J Raman Spectrosc.</i> 51: 2153– 2160 (2020)	
6.	A. Milosavljević, A. Šolajić, S. Djurdjić-Mijin, J. Pešić, B. Višić, Yu Liu, C. Petrovic, <b>N. Lazarević</b> , Z. V. Popović, <i>Lattice dynamics and phase transitions in <math>Fe_{3-x}GeTe_2</math></i> , <i>Phys. Rev. B</i> 99, 214304 (2019)	IF = 3.813 M21
7.	A. Baum, A. Milosavljević, <b>N. Lazarević</b> , M. M. Radonjić, B. Nikolić, M. Mitschek, Z. Inanloo Maranloo, M. Šćepanović, M. Grujić-Brojčin, N. Stojilović, M. Opel, Aifeng Wang, C. Petrovic, Z. V. Popović, and R. Hackl, <i>Phonon anomalies in FeS</i> , <i>Phys. Rev. B</i> 97, 054306 (2018)	IF = 3.836 M21
8.	D. Jost, J.-R. Scholz, U. Zweck, W. R. Meier, A. E. Böhmer, P. C. Canfield, <b>N. Lazarević</b> , and R. Hackl, <i>Indication of subdominant d-wave interaction in superconducting <math>CaKFe_4As_4</math></i> , <i>Phys. Rev. B</i> 98, 020504(R) (2018)	IF = 3.836 M21
9.	A. Baum, Ying Li, M. Tomić, <b>N. Lazarević</b> , D. Jost, F. Löffler, B. Muschler, T. Böhm, J.- H. Chu, I. R. Fisher, R. Valentí, I. I. Mazin, and R. Hackl, <i>Interplay of lattice, electronic, and spin degrees of freedom in detwinned <math>BaFe_2As_2</math> : A Raman scattering study</i> , <i>Phys. Rev. B</i> 98, 075113 (2018)	IF = 3.836 M21
10.	S. Djurdjić-Mijin, A. Šolajić, J. Pešić, M. Šćepanović, Y. Liu, A. Baum, C. Petrovic, <b>N. Lazarević</b> , and Z. V. Popović, <i>Lattice dynamics and phase transition in <math>CrI_3</math> single crystals</i> , <i>Phys. Rev. B</i> 98, 104307 (2018)	IF = 3.836 M21
11.	A. Milosavljević, A. Šolajić, J. Pešić, Yu Liu, C. Petrovic, <b>N. Lazarević</b> , and Z. V. Popović, <i>Evidence of spin-phonon coupling in <math>CrSiTe_3</math></i> , <i>Phys. Rev. B</i> 98, 104306 (2018)	IF = 3.836 M21
12.	M. Opacic, <b>N. Lazarevic</b> , D. Tanaskovic, M. M. Radonjic, A. Milosavljevic, Y. Ma, C. Petrovic, and Z. V. Popovic, "Small Influence of Magnetic Ordering on Lattice Dynamics in $TaFe_{1.25}Te_3$ ", <i>Phys. Rev. B</i> 96, 174303 (2017).	IF=3.736 M21
13.	M. Opačić, <b>N. Lazarević</b> , M. M. Radonjić, M. Šćepanović, H. Ryu, A. Wang, D. Tanasković, C. Petrovic, and Z. V. Popović, <i>Raman Spectroscopy of <math>K_xCo_{2-y}Se_2</math> Single Crystals Near the Ferromagnet-paramagnet Transition</i> , <i>J. Phys. Cond. Matt.</i> 28, 485401 (2016).	IF=2.346 M21
14.	U. Ralević, <b>N. Lazarević</b> , A. Baum, H.-M. Eiter, R. Hackl, P. Giraldo-Gallo, I. R. Fisher, C. Petrovic, R. Gajić, and Z. V. Popović, <i>Charge density wave modulation and gap measurements in <math>CeTe_3</math></i> , <i>Phys. Rev. B</i> 94, 165132 (2016)	IF=3.836 M21
15.	Z. V. Popović, M. Šćepanović, N.	IF=3.736 M21

	Lazarević, M. Opačić, M. M. Radonjić, D. Tanasković, Hechang Lei, and C. Petrovic, Lattice dynamics of BaFe <sub>2</sub> X <sub>3</sub> (X=S,Se) compounds, Phys. Rev. B 91, 064303 (2015)	
16.	25. Hyejin Ryu, Milinda Abeykoon, Kefeng Wang, Hechang Lei, N. Lazarevic, J. B. Warren, E. S. Bozin, Z. V. Popovic, and C. Petrovic, Insulating and metallic spin glass in Ni-doped K <sub>x</sub> Fe <sub>2</sub> -ySe <sub>2</sub> single crystals, Phys. Rev. B 91, 184503 (2015)	IF=3.767 M21
17.	<b>N. Lazarević</b> , E. S. Bozin, M. Šćepanović, M. Opačić, Hechang Lei, C. Petrovic, and Z. V. Popović, <i>Probing IrTe<sub>2</sub> crystal symmetry by polarized Raman scattering</i> , Phys. Rev. B 89, 224301 (2014)	IF=3.767 M21
18.	<b>N. Lazarević</b> , M. Radonjić, M. Šćepanović, Hechang Lei, D. Tanasković, C. Petrovic, and Z. V. Popović, <i>Lattice dynamics of KNi<sub>2</sub>Se<sub>2</sub></i> , Phys. Rev. B 87, 144305 (2013)	IF=3.767 M21
19.	<b>N. Lazarević</b> , M. Abeykoon, P. W. Stephens, Hechang Lei, E. S. Bozin, C. Petrovic, and Z. V. Popović, <i>Vacancy-induced nanoscale phase separation in K<sub>x</sub>Fe<sub>2</sub>-ySe<sub>2</sub> single crystals evidenced by Raman scattering and powder x-ray diffraction</i> , Phys. Rev. B 86, 054503 (2012)	IF=3.767 M21
20.	<b>N. Lazarević</b> , Hechang Lei, C. Petrovic, and Z. V. Popović, <i>Phonon and magnon excitations in block-antiferromagnetic K<sub>0.88</sub>Fe<sub>1.63</sub>S<sub>2</sub></i> , Phys. Rev. B 84, 214305 (2011)	IF=3.774 M21
<b>Збирни подаци научне активност наставника</b>		
Укупан број цитата, без аутоцитата		254
Укупан број радова са SCI (или SSCI) листе		41
Тренутно учешће на пројектима		Домаћи   Међународни
Усавршавања		
Други подаци које сматрате релевантним		
<p>Руководилац билатералног пројекта са Немачком „Orbital-dependent correlation effects and phase relations in alkali-doped iron selenide superconductors“.</p> <p>Руководилац билатералног пројекта са Немачком „Fluctuations, magnetic frustrations and sub-dominant pairing in iron based superconductors“.</p> <p>Руководилац билатералног пројекта са Немачком „Inelastic light scattering study of the strain tuned nematic and magnetic phases“.</p> <p>Руководилац је пројекта “Strain effects in iron chalcogenide superconductors” у оквиру ПРОМИС позива Фонда за науку Републике Србије.</p>		
Максимална дужине не сме бити већа од 1 странице А4		

**Table. 9.6** Teachers' competences

<b>Name and family name</b>		Nenad Lazarević		
<b>Title</b>		Associate Research Professor		
<b>Narrow scientific area</b>		Condensed matter physics and statistical physics		
<b>Academic career</b>	Year	Institution	Area	Narrow scientific or art area
Election to the title	2017	Institute of Physics Belgrade	Physics	Condensed matter physics and statistical physics
PhD	2012	Faculty of Physics, University of Belgrade	Physics	Condensed matter physics and statistical physics
Master degree				
Master diploma				
Diploma	2008	Faculty of Physics, University of Belgrade	Physics	Condensed matter physics and statistical physics
<b>List of subjects the teacher is lecturing in doctoral studies</b>				
<b>No.</b>	<b>Mark</b>	<b>Subject name</b>		
1	ФИЗДФКМ1	Spectroscopic methods in condensed mater physics		
The most significant papers, in compliance with the requirements of the additional requirements of the standard for the given field ( <b>minimum 10, not more than 20</b> )				
1.	Nenad Lazarevic and Rudi Hackl, <i>Fluctuations and pairing in Fe-based superconductors: light scattering experiments</i> , J. Phys.: Condens. Matter 32 413001 (2020). (Review article)		ИФ= 2.711 M22	
2.	Sanja Djurdjić Mijin, AM Milinda Abeykoon, Andrijana Šolajić, Ana Milosavljević, Jelena Pešić, Yu Liu, Cedomir Petrovic, Zoran V Popović, <b>Nenad Lazarević</b> , <i>Short-Range Order in V13</i> , Inorg. Chem., 59, 22, 16265–16271 (2020).		ИФ= 4.85 M21a	
3.	A. Baum, H. N. Ruiz, <b>N. Lazarević</b> , YaoWang, T. Böhm, R. Hosseinian Ahangharnejhad, P. Adelman, T. Wolf, Z. V. Popović, B. Moritz, T. P. Devereaux and R. Hackl, <i>Frustrated spin order and stripe fluctuations in FeSe</i> , Communications Physics, 2, 14 (2019)		ИФ= 4.684 M21	
4.	Feng Jin, <b>Nenad Lazarević</b> , Changle		ИФ= 3.813 M21	

	Liu, Jianting Ji, Yimeng Wang, Shuna He, Hechang Lei, Cedomir Petrovic, Rong Yu, Zoran V. Popović, and Qingming Zhang, Phonon anomalies and magnetic excitations in BaFe <sub>2</sub> Se <sub>2</sub> O, Phys. Rev. B 99, 144419 (2019)	
5.	Ana Milosavljević, Andrijana Šolajić, Bojana Višić, Marko Opačić, Jelena Pešić, Yu Liu, Cedomir Petrovic, Zoran V Popović, <b>Nenad Lazarević</b> , <i>Vacancies and spin-phonon coupling in CrSi<sub>0.8</sub>Ge<sub>0.1</sub>Te<sub>3</sub></i> , <i>J Raman Spectrosc.</i> 51: 2153–2160 (2020)	IF = 2.809 M21
6.	A. Milosavljević, A. Šolajić, S. Djurdjić-Mijin, J. Pešić, B. Višić, Yu Liu, C. Petrovic, <b>N. Lazarević</b> , Z. V. Popović, <i>Lattice dynamics and phase transitions in Fe<sub>3-x</sub>GeTe<sub>2</sub></i> , Phys. Rev. B 99, 214304 (2019)	IF = 3.813 M21
7.	A. Baum, A. Milosavljević, <b>N. Lazarević</b> , M. M. Radonjić, B. Nikolić, M. Mitschek, Z. Inanloo Maranloo, M. Šćepanović, M. Grujić-Brojčin, N. Stojilović, M. Opel, Aifeng Wang, C. Petrovic, Z. V. Popović, and R. Hackl, <i>Phonon anomalies in FeS</i> , Phys. Rev. B 97, 054306 (2018)	IF = 3.836 M21
8.	D. Jost, J.-R. Scholz, U. Zweck, W. R. Meier, A. E. Böhmer, P. C. Canfield, <b>N. Lazarević</b> , and R. Hackl, <i>Indication of subdominant d-wave interaction in superconducting CaKFe<sub>4</sub>As<sub>4</sub></i> , Phys. Rev. B 98, 020504(R) (2018)	IF = 3.836 M21
9.	A. Baum, Ying Li, M. Tomić, <b>N. Lazarević</b> , D. Jost, F. Löffler, B. Muschler, T. Böhm, J.- H. Chu, I. R. Fisher, R. Valentí, I. I. Mazin, and R. Hackl, <i>Interplay of lattice, electronic, and spin degrees of freedom in detwinned BaFe<sub>2</sub>As<sub>2</sub> : A Raman scattering study</i> , Phys. Rev. B 98, 075113 (2018)	IF = 3.836 M21
10.	S. Djurdjić-Mijin, A. Šolajić, J. Pešić, M. Šćepanović, Y. Liu, A. Baum, C. Petrovic, <b>N. Lazarević</b> , and Z. V. Popović, <i>Lattice dynamics and phase transition in CrI<sub>3</sub> single crystals</i> , Phys. Rev. B 98, 104307 (2018)	IF = 3.836 M21
11.	A. Milosavljević, A. Šolajić, J. Pešić, Yu Liu, C. Petrovic, <b>N. Lazarević</b> , and Z. V. Popović, <i>Evidence of spin-phonon coupling in CrSiTe<sub>3</sub></i> , Phys. Rev. B 98, 104306 (2018)	IF = 3.836 M21
12.	M. Opacic, <b>N. Lazarevic</b> , D. Tanaskovic, M. M. Radonjic, A. Milosavljevic, Y. Ma, C. Petrovic, and Z. V. Popovic, "Small Influence of Magnetic Ordering on Lattice Dynamics in TaFe <sub>1.25</sub> Te <sub>3</sub> ", Phys. Rev. B 96, 174303 (2017).	IF=3.736 M21
13.	M. Opačić, <b>N. Lazarević</b> , M. M.	IF=2.346 M21

	Radonjić, M. Šćepanović, H. Ryu, A. Wang, D. Tanasković, C. Petrovic, and Z. V. Popović, <i>Raman Spectroscopy of <math>K_xCo_{2-y}Se_2</math> Single Crystals Near the Ferromagnet-paramagnet Transition</i> , J. Phys. Cond. Matt. 28, 485401 (2016).	
14.	U. Ralević, N. Lazarević, A. Baum, H.-M. Eiter, R. Hackl, P. Giraldo-Gallo, I. R. Fisher, C. Petrovic, R. Gajić, and Z. V. Popović, <i>Charge density wave modulation and gap measurements in CeTe3</i> , Phys. Rev. B 94, 165132 (2016)	IF=3.836 M21
15.	Z. V. Popović, M. Šćepanović, N. Lazarević, M. Opačić, M. M. Radonjić, D. Tanasković, Hechang Lei, and C. Petrovic, <i>Lattice dynamics of BaFe2X3 (X=S,Se) compounds</i> , Phys. Rev. B 91, 064303 (2015)	IF=3.736 M21
16.	25. Hyejin Ryu, Milinda Abeykoon, KefengWang, Hechang Lei, N. Lazarevic, J. B. Warren, E. S. Bozin, Z. V. Popovic, and C. Petrovic, <i>Insulating and metallic spin glass in Ni-doped <math>K_xFe_{2-y}Se_2</math> single crystals</i> , Phys. Rev. B 91, 184503 (2015)	IF=3.767 M21
17.	N. Lazarević, E. S. Bozin, M. Šćepanović, M. Opačić, Hechang Lei, C. Petrovic, and Z. V. Popović, <i>Probing IrTe2 crystal symmetry by polarized Raman scattering</i> , Phys. Rev. B 89, 224301 (2014)	IF=3.767 M21
18.	N. Lazarević, M. Radonjić, M. Šćepanović, Hechang Lei, D. Tanasković, C. Petrovic, and Z. V. Popović, <i>Lattice dynamics of <math>KNi_2Se_2</math></i> , Phys. Rev. B 87, 144305 (2013)	IF=3.767 M21
19.	N. Lazarević, M. Abeykoon, P. W. Stephens, Hechang Lei, E. S. Bozin, C. Petrovic, and Z. V. Popović, <i>Vacancy-induced nanoscale phase separation in <math>K_xFe_{2-y}Se_2</math> single crystals evidenced by Raman scattering and powder x-ray diffraction</i> , Phys. Rev. B 86, 054503 (2012)	IF=3.767 M21
20.	N. Lazarević, Hechang Lei, C. Petrovic, and Z. V. Popović, <i>Phonon and magnon excitations in block-antiferromagnetic <math>K0.88Fe1.63S2</math></i> , Phys. Rev. B 84, 214305 (2011)	IF=3.774 M21

**Cumulative data of scientific activity of the teacher**

Total number of citations, without self citations	254	
Total number of papers on the SCI (or SSCI) list	41	
Current participation in projects	Domestic	International
specialization		

Other information you consider to be important

Bilateral project with Germany „Orbital-dependent correlation effects and phase relations in alkali-doped iron selenide superconductors“, Principal

investigator.

Bilateral project with Germany „Fluctuations, magnetic frustrations and sub-dominant pairing in iron based superconductors“, Principal investigator.

Bilateral project with Germany „Inelastic light scattering study of the strain tuned nematic and magnetic phases“, Principal investigator.

“Strain effects in iron chalcogenide superconductors”, Science Fund of the Republic of Serbia, Principal investigator.

Maximum length may not be over 1 A4 page