Табела. 9.6. Компетентност наставника

Име и презиме		Растко Василић		
Звање		Ванредни професор		
Ужа научна област		Примењена физика		
Академска каријера	Година	Институција	Област	Ужа научна односно уметничка област
Избор у звање	2021	Физички факултет Универзитета у Београду	Физика	Примењена физика
Докторат	2006	Универзитет Државе Њујорк у Бингемтону, САД	Наука и инжењерство материјала	Наука о материјалима
Магистратура	2000	Физички факултет Универзитета у Београду	Физика	Примењена физика
Диплома	1997		Физика	Експериментална физика

Списак предмета које наставник држи на докторским студијама		
Р.Б.	**Ознака**	**Назив предмета**
1	ФИЗДФКМ17	Скенирајућа атомска микроскопија чврстих тела
2	ФИЗДФПФ2	Изабрана поглавља из метрологије

Најзначајнији радови **у складу са захтевима допунских услова стандарда за дато поље (минимално 10 не више од 20)**		
1	K. Mojsilović, N. Tadić, U. Lačnjevac, S. Stojadinović, R. Vasilić, "Characterization of Al–W oxide coatings on aluminum formed by pulsed direct current plasma electrolytic oxidation at ultra-low duty cycles", Surface & Coatings Technology, 411, 126982 (2021)	**M21**
2	M. Serdechnova, C. Blawert, S.A. Karpushenkov, L.S. Karpushenkova, T. Shulha, P. Karlova, R. Vasilić, S. Stojadinović, S. Stojanović, Lj. Damjanović-Vasilić, V. Heitmann, S.M. Rabchynski, M.L. Zheludkevich, "Properties of $ZnO/ZnAl_2O_4$ composite PEO coatings on zinc alloy Z1", Surface & Coatings Technology, 410, 126948 (2021)	**M21**
3	U. Lačnjevac, R. Vasilić, A. Dobrota, S. Đurđic, O. Tomanec, R. Zboril, S. Mohajernia, N. T. Nguyen, N. V. Skorodumova, D. Manojlović, N. R. Elezović, I. A. Pašti, P. Schmuki, "High-Performance Hydrogen Evolution Electrocatalysis Using Proton-Intercalated TiO_2 Nanotube Arrays as Interactive Supports for Ir Nanoparticles", Journal of Materials Chemistry A, 8, 22773-22790 (2020)	**M21a**
4	I. Mladenović, J. Lamovec, D. Vasiljević Radović, R. Vasilić, V. Radojević, N. Nikolić, „Morphology, structure and mechanical properties of copper coatings electrodeposited by pulsating current (PC) regime on Si(111)", Metals, 10(4), 488 (2020)	**M21**
5	S. Stojadinović, R. Vasilić, "Efficient sensitization of Sm^{2+} emission by Eu^{2+} under UV excitation in Al_2O_3 host formed by plasma electrolytic oxidation", Materials Letters, 234, 9-12 (2019)	**M21**
6	S. Stojadinović, N. Tadić, R. Vasilić, "Down- and up-conversion photoluminescence of $ZrO_2:Ho^{3+}$ and $ZrO_2:Ho^{3+}/Yb^{3+}$ coatings formed by plasma electrolytic oxidation", Journal of Alloys and Compounds, 785, 1222-1232 (2019)	**M21a**
7	U. Lačnjevac, R. Vasilić, T. Tokarski, G. Cios, P. Żabiński, N. Elezović, N. Krstajić, "Deposition of Pd nanoparticles on the walls of cathodically hydrogenated TiO_2 nanotube arrays via galvanic displacement: A novel	**M21a**

	route to produce exceptionally active and durable composite electrocatalysts for cost-effective hydrogen evolution", Nano Energy, 47, 527-538 (2018)	
8	S. Stojadinović, R. Vasilić, "Photoluminescence of Ce^{3+} and Ce^{3+}/Tb^{3+} ions in Al_2O_3 host formed by plasma electrolytic oxidation", Journal of Luminescence, 203, 576-581 (2018)	**M21**
9	S. Stojadinović, N. Tadić, N. Radić, B. Grbić, R. Vasilić, "CdS particles modified TiO_2 coatings formed by plasma electrolytic oxidation with enhanced photocatalytic activity", Surface and Coatings Technology, 344, 528-533 (2018)	**M21**
10	J. Jovović, S. Stojadinović, R. Vasilić, N. Tadić, N. Šišović, "The determination of micro-arc plasma composition and properties of products formed during cathodic plasma electrolysis of 304 stainless steel", Europhysics Letters (EPL), 118, 33001 (2017)	**M21**
11	W. Stepniowski, S. Stojadinović, R. Vasilić, N. Tadić, K. Karczewski, S. Abrahami, J. Buijnsters, J. Mol, "Morphology and photoluminescence of nanostructured oxides grown by copper passivation in aqueous potassium hydroxide solution", Materials Letters, 198, 89-92 (2017)	**M21**
12	Stojadinović, R. Vasilić, „Orange–red photoluminescence of Nb_2O_5:Eu^{3+}, Sm^{3+} coatings formed by plasma electrolytic oxidation of niobium", Journal of Alloys and Compounds, 685, 881-889 (2016)	**M21a**
13	S. Stojadinović, R. Vasilić, „Formation and photoluminescence of Eu^{3+} doped zirconia coatings formed by plasma electrolytic oxidation", Journal of Luminescence, 176, 25-31 (2016)	**M21**
14	S. Stojadinović, R. Vasilić, N. Radić, N. Tadić, P. Stefanov, B. Grbić, „The formation of tungsten doped Al_2O_3/ZnO coatings on aluminum by plasma electrolytic oxidation and their application in photocatalysis", Applied Surface Science, 377, 37-43 (2016)	**M21a**
15	R. Vasilić, S. Stojadinović, N. Radić, P. Stefanov, Z. Dohčević-Mitrović, B. Grbić, "One-step preparation and photocatalytic performance of vanadium doped TiO_2 coatings", Materials Chemistry and Physics, 151, 337-344 (2015)	**M21**

Збирни подаци научне активност наставника		
Укупан број цитата, без аутоцитата	1464 (Scopus 05.05.2021.)	
Укупан број радова са SCI (или SSCI) листе	79	
Тренутно учешће на пројектима	Домаћи 1	Међународни 3
Усавршавања		
Други подаци које сматрате релевантним		
Максимална дужине не сме бити већа од 1 странице А4		

Table. 9.6 Teachers' competences

Name and family name		Rastko Vasilić		
Title		Associate Professor		
Narrow scientific area		Applied Physics		
Academic career	Year	Institution	Area	Narrow scientific or art area
Election to the title	2021	Faculty of Physics, University of Belgrade	Physics	Applied Physics
PhD	2006	State University of New York at Binghamton, USA	Materials Science and Engineering	Materials Science
Master degree	2000	Faculty of Physics, University of Belgrade	Physics	Applied Physics
Diploma	1997	Faculty of Physics, University of Belgrade	Physics	Experimental Physics

List of subjects the teacher is lecturing in doctoral studies

No.	**Mark**	**Subject name**
1	ФИЗДФКМ17	Scanning probe microscopy
2	ФИЗДФПФ2	Selected topics in metrology

The most significant papers, in compliance with the requirements of the additional requirements of the standard for the given field **(minimum 10, not more than 20)**

1	K. Mojsilović, N. Tadić, U. Lačnjevac, S. Stojadinović, R. Vasilić, "Characterization of Al–W oxide coatings on aluminum formed by pulsed direct current plasma electrolytic oxidation at ultra-low duty cycles", Surface & Coatings Technology, 411, 126982 (2021)	**M21**
2	M. Serdechnova, C. Blawert, S.A. Karpushenkov, L.S. Karpushenkova, T. Shulha, P. Karlova, R. Vasilić, S. Stojadinović, S. Stojanović, Lj. Damjanović-Vasilić, V. Heitmann, S.M. Rabchynski, M.L. Zheludkevich, "Properties of $ZnO/ZnAl_2O_4$ composite PEO coatings on zinc alloy Z1", Surface & Coatings Technology, 410, 126948 (2021)	**M21**
3	U. Lačnjevac, R. Vasilić, A. Dobrota, S. Đurđic, O. Tomanec, R. Zboril, S. Mohajernia, N. T. Nguyen, N. V. Skorodumova, D. Manojlović, N. R. Elezović, I. A. Pašti, P. Schmuki, "High-Performance Hydrogen Evolution Electrocatalysis Using Proton-Intercalated TiO_2 Nanotube Arrays as Interactive Supports for Ir Nanoparticles", Journal of Materials Chemistry A, 8, 22773-22790 (2020)	**M21a**
4	I. Mladenović, J. Lamovec, D. Vasiljević Radović, R. Vasilić, V. Radojević, N. Nikolić, „Morphology, structure and mechanical properties of copper coatings electrodeposited by pulsating current (PC) regime on Si(111)", Metals, 10(4), 488 (2020)	**M21**
5	S. Stojadinović, R. Vasilić, "Efficient sensitization of Sm^{2+} emission by Eu^{2+} under UV excitation in Al_2O_3 host formed by	**M21**

	plasma electrolytic oxidation", Materials Letters, 234, 9-12 (2019)	
6	S. Stojadinović, N. Tadić, R. Vasilić, "Down- and up-conversion photoluminescence of $ZrO_2:Ho^{3+}$ and $ZrO_2:Ho^{3+}/Yb^{3+}$ coatings formed by plasma electrolytic oxidation", Journal of Alloys and Compounds, 785, 1222-1232 (2019)	**M21a**
7	U. Lačnjevac, R. Vasilić, T. Tokarski, G. Cios, P. Żabiński, N. Elezović, N. Krstajić, "Deposition of Pd nanoparticles on the walls of cathodically hydrogenated TiO_2 nanotube arrays via galvanic displacement: A novel route to produce exceptionally active and durable composite electrocatalysts for cost-effective hydrogen evolution", Nano Energy, 47, 527-538 (2018)	**M21a**
8	S. Stojadinović, R. Vasilić, "Photoluminescence of Ce^{3+} and Ce^{3+}/Tb^{3+} ions in Al_2O_3 host formed by plasma electrolytic oxidation", Journal of Luminescence, 203, 576-581 (2018)	**M21**
9	S. Stojadinović, N. Tadić, N. Radić, B. Grbić, R. Vasilić, "CdS particles modified TiO_2 coatings formed by plasma electrolytic oxidation with enhanced photocatalytic activity", Surface and Coatings Technology, 344, 528-533 (2018)	**M21**
10	J. Jovović, S. Stojadinović, R. Vasilić, N. Tadić, N. Šišović, "The determination of micro-arc plasma composition and properties of products formed during cathodic plasma electrolysis of 304 stainless steel", Europhysics Letters (EPL), 118, 33001 (2017)	**M21**
11	W. Stepniowski, S. Stojadinović, R. Vasilić, N. Tadić, K. Karczewski, S. Abrahami, J. Buijnsters, J. Mol, "Morphology and photoluminescence of nanostructured oxides grown by copper passivation in aqueous potassium hydroxide solution", Materials Letters, 198, 89-92 (2017)	**M21**
12	Stojadinović, R. Vasilić, „Orange–red photoluminescence of $Nb_2O_5:Eu^{3+}$, Sm^{3+} coatings formed by plasma electrolytic oxidation of niobium", Journal of Alloys and Compounds, 685, 881-889 (2016)	**M21a**
13	S. Stojadinović, R. Vasilić, „Formation and photoluminescence of Eu^{3+} doped zirconia coatings formed by plasma electrolytic oxidation", Journal of Luminescence, 176, 25-31 (2016)	**M21**
14	S. Stojadinović, R. Vasilić, N. Radić, N. Tadić, P. Stefanov, B. Grbić, „The formation of tungsten doped Al_2O_3/ZnO coatings on aluminum by plasma electrolytic oxidation and their application in photocatalysis", Applied Surface Science, 377, 37-43 (2016)	**M21a**
15	R. Vasilić, S. Stojadinović, N. Radić, P. Stefanov, Z. Dohčević-Mitrović, B. Grbić, "One-step preparation and photocatalytic performance of vanadium doped TiO_2 coatings", Materials Chemistry and Physics, 151, 337-344 (2015)	**M21**

Cumulative data of scientific activity of the teacher		
Total number of citations, without self citations	1464 (Scopus 05.05.2021.)	
Total number of papers on the SCI (or SSCI) list	79	
Current participation in projects	Domestic 1	International 3
specialization		
Other information you consider to be important		
Maximum length may not be over 1 A4 page		