

Табела. 9.8 Компетентност ментора

Име и презиме		Растко Василић		
Звање		ванредни професор		
Ужа научна, уметничка односно стручна област		Примењена физика		
Академска каријера	Година	Институција	Ужа научна, уметничка односно стручна област	
Избор у звање	2021	Физички факултет Универзитета у Београду	Примењена физика	
Докторат	2006	Универзитет Државе Њујорк у Бингемтону, САД	Наука о материјалима	
Магистратура	2000	Физички факултет Универзитета у Београду	Примењена физика	
Диплома	1997		Експериментална физика	
Списак дисертација-докторских уметничких пројеката а у којима је наставник ментор или је био ментор у претходних 10 година				
Р.Б.	Наслов дисертације-докторског уметничког пројекта	Име кандидата	*пријављена	** одбрањена
*Година у којој је дисертација-докторски уметнички пројекат пријављена-пријављен (само за дисертације-докторске уметничке пројекте које су у току), ** Година у којој је дисертација-докторски уметнички пројекат одбрањена (само за дисертације-докторско уметничке пројекте из ранијег периода)				
Категоризација публикације научних радова из области датог студијског програма према класификацији ресорног Министарства просвете, науке и технолошког развоја а у складу са допунским захтевима стандарда за дато поље (минимално 5 не више од 20)				
Категоризација публикације уметничких референци из области датог студијског програма према класификацији из Упутства за припрему документације за акредитацију студијског програма а у складу са допунским захтевима стандарда за дато поље (минимално 5 не више од 20)				
1	K. Mojsilović, N. Tadić, U. Lačnjevac, S. Stojadinović, R.			M21

	Vasilić, "Characterization of Al–W oxide coatings on aluminum formed by pulsed direct current plasma electrolytic oxidation at ultra-low duty cycles", <i>Surface & Coatings Technology</i> , 411, 126982 (2021)	
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 ₂ O ₄ composite PEO coatings on zinc alloy Z1", <i>Surface & Coatings Technology</i> , 410, 126948 (2021)	M21
3	U. Lačnjevac, R. Vasilić, A. Dobrota, S. Đurđić, 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", <i>Journal of Materials Chemistry A</i> , 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)“, <i>Metals</i> , 10(4), 488 (2020)	M21
5	S. Stojadinović, R. Vasilić, "Efficient sensitization of Sm ²⁺ emission by Eu ²⁺ under UV excitation in Al ₂ O ₃ host formed by plasma electrolytic oxidation", <i>Materials Letters</i> , 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", <i>Journal of Alloys and Compounds</i> , 785, 1222-1232 (2019)	M21a
7	U. Lačnjevac, R. Vasilić, T. Tokarski, G. Cios, P. Žabiński, 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", <i>Nano Energy</i> , 47, 527-538 (2018)	M21a
8	S. Stojadinović, R. Vasilić, "Photoluminescence of Ce ³⁺ and Ce ³⁺ /Tb ³⁺ ions in Al ₂ O ₃ host formed by plasma electrolytic oxidation", <i>Journal of Luminescence</i> , 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", <i>Surface and Coatings Technology</i> , 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", <i>Europhysics Letters (EPL)</i> , 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", <i>Materials Letters</i> , 198, 89-92 (2017)	M21

12	Stojadinović, R. Vasilić, „Orange–red photoluminescence of Nb ₂ O 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 ₂ O 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		
Збирни подаци уметничке 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	Домаћи1	Међународни3
Усавршавања		
Други подаци које сматрате релевантним		
Максимална дужине несме бити већа од 2 странице А4		

Table. 9.8 Competences of mentors

Name and family name		Rastko Vasilic		
Title		Associate Professor		
Narrow scientific area		Applied Physics		
Academic career	Year	Institution	Area	
Election to the title	2021	Faculty of Physics, University of Belgrade	Applied Physics	
PhD	2006	State University of New York at Binghamton, USA	Materials Science	
Master degree	2000	Faculty of Physics, University of Belgrade	Applied Physics	
Diploma	1997	Faculty of Physics, University of Belgrade	Applied Physics	
A list of dissertations-doctoral art projects in which the teacher is or was a mentor in the past 10 years				
No.	Title of the dissertation – doctoral art project	Name of the candidate	*submitted	** defended
<p>* Year in which the dissertation-doctoral art project was submitted (for dissertations-doctoral art projects in progress) ** The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period)</p>				
<p>Categorization of the publication of scientific papers in the field of the given study program according to the classification of the relevant Ministry of Education, Science and Technological Development and in accordance with the additional requirements of the standard for the given field (minimum 5 not more than 20) Categorization of the publication of artistic references in the field of the given study program according to the</p>				

classification in the guidelines for preparing the documentation for the accreditation of the study program and in accordance with the additional requirements of the standard for the given field (minimum 5 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", <i>Surface & Coatings Technology</i> , 411, 126982 (2021)	M21
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3	U. Lačnjevac, R. Vasilić, A. Dobrota, S. Đurđić, 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", <i>Journal of Materials Chemistry A</i> , 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)", <i>Metals</i> , 10(4), 488 (2020)	M21
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8	S. Stojadinović, R. Vasilić, "Photoluminescence of Ce ³⁺ and Ce ³⁺ /Tb ³⁺ ions in Al ₂ O ₃ host formed by plasma electrolytic oxidation", <i>Journal of Luminescence</i> , 203, 576-581 (2018)	M21
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	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)	
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Cumulative data of scientific activity of the teacher		
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 2 A4 pages		