

Табела. 9.6. Компетентност наставника

Име и презиме		Милорад М. Кураица		
Звање		Редовни професор		
Ужа научна област		Физика јонизованих гасова, плазме и квантна оптика		
Академска каријера	Година	Институција	Област	Ужа научна односно уметничка област
Избор у звање	20.03.2013	Универзитет у Београду, Физички факултет	Физика	Физика јонизованих гасова, плазме и квантна оптика
Докторат	30.12.1998.	Универзитет у Београду, Физички факултет	Физика	Физика јонизованих гасова, плазме и квантна оптика
Магистратура		Универзитет у Београду, Физички факултет	Физика	Физика јонизованих гасова, плазме и квантна оптика
Мастер диплома				
Диплома	28.01.1986.	Универзитет у Београду, Физички факултет	Физика	Физика јонизованих гасова, плазме и квантна оптика
Списак предмета које наставник држи на докторским студијама				
Р.Б.	Ознака	Назив предмета		
1	ФИЗДФФЛ1	Виши курс оптике		
2	ФИЗДФФЛ2	Ласери и ласерска спектроскопија		
3	ФИЗДФЛП9	Физичке основе примена плазме		
Најзначајнији радови у складу са захтевима допунских услова стандарда за дато поље (минимално 10 не више од 20)				
				P
1.	Dojčinović, B.P., Roglić, G.M., Obradović, B.M., Kuraica, M.M., Kostić, M.M., Nešić, J., Manojlović, D.D., Decolorization of reactive textile dyes using water falling film dielectric barrier discharge (2011) Journal of Hazardous Materials, 192 (2), pp. 763-771.			M21A
2.	Obradović, B.M., Sretenović, G.B., Kuraica, M.M., A dual-use of DBD plasma for simultaneous NOx and SO2 removal from coal-combustion flue gas (2011) Journal of Hazardous Materials, 185 (2-3), pp. 1280-1286.			M21A
3.	Videnović, I.R., Konjevic, N., Kuraica, M.M., Spectroscopic investigations of a cathode fall region of the Grimm-type glow discharge (1996) Spectrochimica Acta - Part B Atomic Spectroscopy, 51 (13 PART B), pp. 1707-1731.			M21
4.	Sretenović, G.B., Krstić, I.B., Kovačević, V.V., Obradović, B.M., Kuraica, M.M., Spectroscopic measurement of electric field in atmospheric-pressure plasma jet operating in bullet mode (2011) Applied Physics Letters, 99 (16), art. no. 161502.			M21A
5.	Kuraica, M., Konjević, N., Platiša, M., Pantelić, D., Plasma diagnostics of the Grimm-type glow discharge (1992) Spectrochimica Acta Part B: Atomic Spectroscopy, 47 (10), pp. 1173-1186. Cited 75 times.			M21
6.	Kuraica, M., Konjević, N., Line shapes of atomic hydrogen in a plane-cathode abnormal glow discharge (1992) Physical Review A, 46 (7), pp. 4429-4432.			M21

7.	Kovačević, V.V., Dojčinović, B.P., Jović, M., Roglić, G.M., Obradović, B.M., Kuraica, M.M., Measurement of reactive species generated by dielectric barrier discharge in direct contact with water in different atmospheres (2017) Journal of Physics D: Applied Physics, 50 (15), art. no. 155205.	M21
8.	Sretenović, G.B., Krstić, I.B., Kovačević, V.V., Obradović, B.M., Kuraica, M.M., Spatio-temporally resolved electric field measurements in helium plasma jet (2014) Journal of Physics D: Applied Physics, 47 (10), art. no. 102001.	M21
9.	Kuraica, M.M., Konjević, N., Electric field measurement in the cathode fall region of a glow discharge in helium (1997) Applied Physics Letters, 70 (12), pp. 1521-1523.	M21A
10.	Kuraica, M.M., Obradović, B.M., Manojlović, D., Ostojić, D.R., Purić, J., Ozonized water generator based on coaxial dielectric-barrier-discharge in air (2004) Vacuum, 73 (3-4), pp. 705-708. Cited 60 times.	M23
11.	Gemišić Adamov, M.R., Obradović, B.M., Kuraica, M.M., Konjević, N., Doppler spectroscopy of hydrogen and deuterium Balmer alpha line in an abnormal glow discharge (2003) IEEE Transactions on Plasma Science, 31 (3), pp. 444-454.	M23
12.	Cvetanović, N., Kuraica, M.M., Konjević, N., Excessive Balmer line broadening in a plane cathode abnormal glow discharge in hydrogen (2005) Journal of Applied Physics, 97 (3), art. no. 033302.	M22
13.	Obradović, B.M., Ivković, S.S., Kuraica, M.M., Spectroscopic measurement of electric field in dielectric barrier discharge in helium (2008) Applied Physics Letters, 92 (19), art. no. 191501.	M21A
14.	Kovačević, V.V., Sretenović, G.B., Slikboer, E., Guaitella, O., Sobota, A., Kuraica, M.M., The effect of liquid target on a nonthermal plasma jet - Imaging, electric fields, visualization of gas flow and optical emission spectroscopy (2018) Journal of Physics D: Applied Physics, 51 (6), art. no. 065202	M21
15.	Iskrenović, P.S., Krstić, I.B., Obradović, B.M., Kuraica, M.M., Correlation between measured voltage and observed wavelength in commercial AlGaInP laser diode (2014) Journal of Applied Physics, 115 (18), art. no. 183102.	M22
Збирни подаци научне активност nastavnika		
Укупан број цитата, без аутоцитата		1605
Укупан број радова са SCI (или SSCI) листе		80
Тренутно учешће на пројектима	Домаћи	Међународни -Horizon 2020: 2021-2025 “AN INNOVATIVE ANALYTICAL PLATFORM TO INVESTIGATE THE EFFECT AND TOXICITY OF MICRO AND NANO PLASTICS COMBINED WITH

		ENVIRONMENTAL CONTAMINANTS ON THE RISK OF ALLERGIC DISEASE IN PRECLINICAL AND CLINICAL” Grant agreement ID: 965173 -Пројекат билатералне сарадње са Немачком 2019-2021: „Дијагностика микропражњења са течном електродом“ е.б. 451-03-01971/2019-09/17 - Пројекат билатералне сарадње са Француском 2020-2022: „Plasma-activated conversion of CO2 – influence of plasma processing parameters and reactor design“ е.б. 2020/15
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		Milorad M Kuraica		
Title		Full Professor		
Narrow scientific area		Physics of ionized gases, plasma and quantum optics		
Academic career	Year	Institution	Area	Narrow scientific or art area
Election to the title	20.03.2013	University	Physics	Physics of ionized

		of Belgrade – Faculty of Physics		gases, plasma and quantum optics
PhD	30.12.1998.	University of Belgrade – Faculty of Physics	Physics	Physics of ionized gases, plasma and quantum optics
Master degree		University of Belgrade – Faculty of Physics	Physics	Physics of ionized gases, plasma and quantum optics
Master diploma				
Diploma	28.01.1986.	University of Belgrade – Faculty of Physics	Physics	Physics of ionized gases, plasma and quantum optics

List of subjects the teacher is lecturing in doctoral studies

No.	Mark	Subject name
1	ФИЗДФФЛ1	Advanced optics
2	ФИЗДФФЛ2	Lasers and laser spectroscopy
3	ФИЗДФЛП9	Physical foundations of the modern plasma technologies

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**)

		R
1.	Dojčinović, B.P., Roglić, G.M., Obradović, B.M., Kuraica, M.M., Kostić, M.M., Nešić, J., Manojlović, D.D., Decolorization of reactive textile dyes using water falling film dielectric barrier discharge (2011) Journal of Hazardous Materials, 192 (2), pp. 763-771.	M21A
2.	Obradović, B.M., Sretenović, G.B., Kuraica, M.M., A dual-use of DBD plasma for simultaneous NOx and SO2 removal from coal-combustion flue gas (2011) Journal of Hazardous Materials, 185 (2-3), pp. 1280-1286.	M21A
3.	Videnović, I.R., Konjevic, N., Kuraica, M.M., Spectroscopic investigations of a cathode fall region of the Grimm-type glow discharge (1996) Spectrochimica Acta - Part B Atomic Spectroscopy, 51 (13 PART B), pp. 1707-1731.	M21
4.	Sretenović, G.B., Krstić, I.B., Kovačević, V.V., Obradović, B.M., Kuraica, M.M., Spectroscopic measurement of electric field in atmospheric-pressure plasma jet operating in bullet mode (2011) Applied Physics Letters, 99 (16), art. no. 161502.	M21A
5.	Kuraica, M., Konjević, N., Platiša, M., Pantelić, D., Plasma diagnostics of the Grimm-type glow discharge (1992) Spectrochimica Acta Part B: Atomic	M21

	Spectroscopy, 47 (10), pp. 1173-1186. Cited 75 times.	
6.	Kuraica, M., Konjević, N., Line shapes of atomic hydrogen in a plane-cathode abnormal glow discharge (1992) Physical Review A, 46 (7), pp. 4429-4432.	M21
7.	Kovačević, V.V., Dojčinović, B.P., Jović, M., Roglić, G.M., Obradović, B.M., Kuraica, M.M., Measurement of reactive species generated by dielectric barrier discharge in direct contact with water in different atmospheres (2017) Journal of Physics D: Applied Physics, 50 (15), art. no. 155205.	M21
8.	Sretenović, G.B., Krstić, I.B., Kovačević, V.V., Obradović, B.M., Kuraica, M.M., Spatio-temporally resolved electric field measurements in helium plasma jet (2014) Journal of Physics D: Applied Physics, 47 (10), art. no. 102001.	M21
9.	Kuraica, M.M., Konjević, N., Electric field measurement in the cathode fall region of a glow discharge in helium (1997) Applied Physics Letters, 70 (12), pp. 1521-1523.	M21A
10.	Kuraica, M.M., Obradović, B.M., Manojlović, D., Ostojić, D.R., Purić, J., Ozonized water generator based on coaxial dielectric-barrier-discharge in air (2004) Vacuum, 73 (3-4), pp. 705-708. Cited 60 times.	M23
11.	Gemišić Adamov, M.R., Obradović, B.M., Kuraica, M.M., Konjević, N., Doppler spectroscopy of hydrogen and deuterium Balmer alpha line in an abnormal glow discharge (2003) IEEE Transactions on Plasma Science, 31 (3), pp. 444-454.	M23
12.	Cvetanović, N., Kuraica, M.M., Konjević, N., Excessive Balmer line broadening in a plane cathode abnormal glow discharge in hydrogen (2005) Journal of Applied Physics, 97 (3), art. no. 033302.	M22
13.	Obradović, B.M., Ivković, S.S., Kuraica, M.M., Spectroscopic measurement of electric field in dielectric barrier discharge in helium (2008) Applied Physics Letters, 92 (19), art. no. 191501.	M21A
14.	Kovačević, V.V., Sretenović, G.B., Slikboer, E., Guaitella, O., Sobota, A., Kuraica, M.M., The effect of liquid target on a nonthermal plasma jet - Imaging, electric fields, visualization of gas flow and optical emission spectroscopy (2018) Journal of Physics D: Applied Physics, 51 (6), art. no. 065202	M21
15.	Iskrenović, P.S., Krstić, I.B., Obradović, B.M., Kuraica, M.M., Correlation between measured voltage and observed wavelength in commercial AlGaInP laser diode	M22
Cumulative data of scientific activity of the teacher		

Total number of citations, without self citations	1605	
Total number of papers on the SCI (or SSCI) list	80	
Current participation in projects	Domestic	International 2021-2025 “AN INNOVATIVE ANALYTICAL PLATFORM TO INVESTIGATE THE EFFECT AND TOXICITY OF MICRO AND NANO PLASTICS COMBINED WITH ENVIRONMENTAL CONTAMINANTS ON THE RISK OF ALLERGIC DISEASE IN PRECLINICAL AND CLINICAL” Grant agreement ID: 965173
specialization		
Other information you consider to be important		
Maximum length may not be over 1 A4 page		