Табела. 9.6. Компетентност наставника

Име и презиме		Predrag Ranitović		
Звање		Naučni Savetnik		
Ужа научна област		Atomska, Molekularna i Optička Fizika Ultrabrzih Lasera		
Академска каријера	Година	Институција	Област	Ужа научна односно уметничка област
Избор у звање	2018	Fizički Fakultet	Fizika	AMO Fizika
Докторат	2008	Univerzitet u Stokholmu	Fizika	AMO Fizika
Магистратура	2005	Univerzitet u Stokholmu	Fizika	AMO Fizika
Диплома	2002	PMF – Novi Sad	Fizika	Kondenzovana materija

Списак предмета које наставник држи на докторским студијама		
Р.Б.	**Ознака**	**Назив предмета**
1.	**ФИЗДФФЛ11**	**Ултрабрзи феномени**

Најзначајнији радови **у складу са захтевима допунских услова стандарда за дато поље (минимално 10 не више од 20)**	
1	Rafael Abela, Arturo Alarcon, Jürgen Alex**,** *et. al. The SwissFEL soft x-ray FEL beamline: ATHOS*. Journal of Synchrotron Radiation, Special issue on FEL. ***Vol. 26 (4).*** **(2019).**
2	L. Martin, X. M. Tong, C. W. Hogle, M. M. Murnane, H. C. Kapteyn, and **P. Ranitovic**. *Revealing the role of electron-electron correlations by mapping dissociation of highly excited using ultrashort XUV pulses.* ***Physical Review A 97 (6), 062508 (2018).***
3	C. W. Hogle, X. M. Tong, L. Martin, M. M. Murnane, H. C. Kapteyn, and **P. Ranitovic**. *Attosecond VUV/EUV coherent control of single and double photoionization of argon*. ***Phys. Rev. Lett. 115 (17), 173004 (2105).***
4	**P. Ranitovic**, C. Hogle, XM. Tong, P Riviere, A. Palacios, F. Martin, M. Murnane, and H Kapteyn *Attosecond vacuum UV coherent control of molecular dynamics.* ***PNAS 111(3) (2014).***
5	X. Zhou, **P. Ranitovic**, C. Hogle, H. Kapteyn and M. Murnane. *Probing and controlling non-Born–Oppenheimer dynamics in highly excited molecular ions.* ***Nature Physics, 8 (3)(2012).***
6	**P. Ranitovic**, *et. al. Controlling the XUV transparency of Helium using two-pathway quantum interference.* ***Phys. Rev. Lett. 106, 193008 (2011).***
7	**P. Ranitovic**, *et. al. IR-assisted ionization of helium by attosecond extreme ultraviolet radiation*. ***New Journal of Physics, 12, 013008 (2010).***
8	Arvinder S Sandhu, Etienne Gagnon , …, **Predrag Ranitovic**, *et.al. Observing the creation of electronic Feshbach resonances in soft x-ray-induced O2 dissociation.* ***Science 322, (2008).***
9	D. Akoury, K. Kreidi, T. Jahnke, T. Weber, …, **P. Ranitovic**, *et. al. The simplest double slit: interference and entanglement in double photoionization of H2.* ***Science 318, 949-952 (2007).***
10	E. Gagnon, **P. Ranitovic**, X.-M. Tong, C. L. Cocke, M. M. Murnane, H. C. Kapteyn, and A. S. Sandhu. *Soft x-ray-driven femtosecond molecular dynamics.* ***Science 317, 1374-1378 (2007).***

Збирни подаци научне активност наставника		
Укупан број цитата, без аутоцитата	2409	
Укупан број радова са SCI (или SSCI) листе	64	
Тренутно учешће на пројектима	Домаћи	Међународни

		1
Усавршавања	Berkeley CA, ETH Zurich	

Table. 9.6 Teachers' competences

Name and family name		Predrag Ranitovic		
Title		Principal Scientist		
Narrow scientific area		AMO ultrafast physics		
Academic career	Year	Institution	Area	Narrow scientific or art area
Election to the title	2018	University of Belgrade	Physics	AMO Physics
PhD	2008	Stocholm University	Physics	AMO Physics
Master degree	2005	Stocholm University	Physics	AMO Physics
Diploma	2002	University of Novi Sad	Physics	CM

List of subjects the teacher is lecturing in doctoral studies		
1.	**ФИЗДФФЛ11**	**Ultrafast Phenomena**

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	Rafael Abela, Arturo Alarcon, Jürgen Alex**,** *et. al. The SwissFEL soft x-ray FEL beamline: ATHOS*. Journal of Synchrotron Radiation, Special issue on FEL. ***Vol. 26 (4).*** **(2019).**
2	L. Martin, X. M. Tong, C. W. Hogle, M. M. Murnane, H. C. Kapteyn, and **P. Ranitovic**. *Revealing the role of electron-electron correlations by mapping dissociation of highly excited using ultrashort XUV pulses.* ***Physical Review A 97 (6), 062508 (2018).***
3	C. W. Hogle, X. M. Tong, L. Martin, M. M. Murnane, H. C. Kapteyn, and **P. Ranitovic**. *Attosecond VUV/EUV coherent control of single and double photoionization of argon*. ***Phys. Rev. Lett. 115 (17), 173004 (2105).***
4	**P. Ranitovic**, C. Hogle, XM. Tong, P Riviere, A. Palacios, F. Martin, M. Murnane, and H Kapteyn *Attosecond vacuum UV coherent control of molecular dynamics.* ***PNAS 111(3) (2014).***
5	X. Zhou, **P. Ranitovic**, C. Hogle, H. Kapteyn and M. Murnane. *Probing and controlling non-Born–Oppenheimer dynamics in highly excited molecular ions.* ***Nature Physics, 8 (3)(2012).***
6	**P. Ranitovic**, *et. al. Controlling the XUV transparency of Helium using two-pathway quantum interference.* ***Phys. Rev. Lett. 106, 193008 (2011).***
7	**P. Ranitovic**, *et. al. IR-assisted ionization of helium by attosecond extreme ultraviolet radiation*. ***New Journal of Physics, 12, 013008 (2010).***
8	Arvinder S Sandhu, Etienne Gagnon , …, **Predrag Ranitovic**, *et.al. Observing the creation of electronic Feshbach resonances in soft x-ray-induced O2 dissociation.* ***Science 322, (2008).***
9	D. Akoury, K. Kreidi, T. Jahnke, T. Weber, …, **P. Ranitovic**, *et. al. The simplest double slit: interference and entanglement in double photoionization of H2.* ***Science 318, 949-952 (2007).***
10	E. Gagnon, **P. Ranitovic**, X.-M. Tong, C. L. Cocke, M. M. Murnane, H. C. Kapteyn, and A. S. Sandhu. *Soft x-ray-driven femtosecond molecular dynamics.* ***Science 317, 1374-1378 (2007).***

Cumulative data of scientific activity of the teacher		
Total number of citations, without self citations	2409	
Total number of papers on the SCI (or SSCI) list	64	
Current participation in projects	Domestic	International 1
specialization	JILA, LBNL, ETH Zurich	