Ime i prezime
Dijana Mosić

Datum rođenja
18 / 10 / 1981

Naziv i sedište ustanove/organizacije u kojoj je kandidat zaposlen
Prirodno-matematički fakultet, Univerzitet u Nišu

Radno mesto
vanredni profesor

Datum prvog izbora u sadašnje zvanje
23.06.2013.

Datum raspisivanja konkursa
28.06.2017.

Način (mesto) objavljivanja
list "Poslovi"

Zvanje za koje je raspisan konkurs
Redovni profesor

Uža naučna oblast
Matematika

1. Doktorat nauka iz oblasti za koju se bira
(naziv doktorske disertacije, naučna oblast, godina i mesto odbrane)

"Uopšteni inverzi, faktori uslovljenosti i perturbacije", Matematika, 2009.godina, Prirodno-matematički fakultet u Nišu

2. Pozitivna ocena nastavnog rada
(naziv dokumenta, naziv ustanove/organizacije koja je izdala dokument, datum izdavanja)

Pozitivna ocena Prirodno-matematičkog fakulteta u Nišu, za period 2009-2017.

3. Ostvarene aktivnosti bar u četiri elementa doprinosa široj akademskojzajednici iz člana 4. kriterijuma
(opis aktivnosti, podaci o dokumentima)

Član Komisije za sprovođenje prijemnog ispita na osnovnim studijama Matematike (2010/2011, 2011/2012), a predsednik iste komisije 2012/2013. Član Komisija za rangiranje kandidata za upis na master i doktorskim studijama Matematike 2016/2017.
Član Komisije za sprovođenje prijemnog ispita za upis na master i doktorskim studijama Matematike 2017/2018.
Član Izbornog veća PMF-a u Nišu odlukom NN veća PMF-a, 2010. godine.
Član Komisije za samovrednovanje studijskog programa na Departmanu za matematiku 2014.

Član uređivačkog odbora časopisa: Filomat, FACTA UNIVERSITATIS, , Series: Mathematics and Informatics, Functional Analysis, Approximation and Computation (Niš), British Journal of Mathematics and Computer Science, Asian Journal of Mathematics and Computer Research.

Recenzent radova za međunarodne časopis sa SCI liste (Applied Mathematics and Computation, Applied Mathematics Letters, Banach Journal of Mathematical Analysis, Aequationes Mathematicae, Journal of Computational and Applied Mathematics, Abstract and Applied Analysis, Quaestiones Mathematicae, Bulletin of the Malaysian Mathematical Society, Linear and Multilinear Algebra, Electronic Journal of Linear Algebra, Bulletin of the Korean Mathematical Society, Pacific Journal of Mathematics, Demonstration Mathematica, Publicationes Mathematicae, International Journal of Computer Mathematics, Filomat) i za časopise (Journal of the Egyptian Mathematical Society, Journal of Applied Mathematics and Computing, The Scientific World Journal, Journal of Function Spaces, British Journal of Mathematics and Computer Science, Advances in Mathematics (China), Science China Mathematics, Advances in Operator Theory, Functional Analysis, Approximation and Computation (Niš), Facta Universitatis, Series: Mathematics and Informatics, Matematika i informatika, Mathematical Reviews).

Mentor u izradi 2 master rada (2015. i 2016. godine). Više puta mentor za izradu diplomskih radova i član komisije za izradu i odbranu diplomskih i master radova.

Na 10 međunarodnih konferencija je izlaga svoje rezultate i učestvotala na dva predavanja po pozivu (Southeast University, Nanjing, China 28.9.2014 i Shanghai Normal University, Shanghai, China 30.9.2014.)

Učestvovala u definisanju i reformisanju nastavnih predmeta na kojima je angažovana kao nastavnik.

4. Mentorstvo ili komentorstvo bar jedne doktorske disertacije

/

4 zamena: Jedan naučni rad u časopisu kagegorije M21 ili M22, ili jedan udžbenik ili jedna monografija
(rad, udžbenik i monografija se ne računaju u stavovima 6., 8. i 9.)

Dijana Mosić, Extensions of Jacobson's lemma for Drazin inverses, Aequat. Math. 91(3) (2017), 419–428.

5. Ostvareni rezultati u razvoju naučno-nastavnog podmlatka, i to u barem jednom od sledećih elemenata: učešćem u komisijama za odbranu doktorske disertacije, magistarske teze ili master rada, držanjem nastave na doktorskim studijama, držanjem priprema studenata za studentska takmičenja, učešćem u završnim radovima na specijalističkim i master studijama i slično

Bila je četiri puta član komisije za ocenu teme i odbranu doktorske disertacije. Više puta je bila član komisije za odbranu master radova i mentor u izradi 2 master rada.

Veoma uspešno je izvodila nastanu na dokrotskim studijama Matematike na Prirodno-matematičkom fakultetu u Nišu iz predmeta: Funkcionalna analiza, Odabrana poglavlja teorije operatora, Uopšteni inverzi operatora, Ortogonalni polinomi, Matrična analiza i Algebre, prsteni i moduli.

6. Od izbora u prethodno zvanje objavljen udžbenik ili monografija iz oblasti za koju se bira

Dijana Mosić, Generalized inverses, (Nastavno-naučno veće Prirodno-matematičkog fakulteta u Nišu je 23.03.2016. godine odobrilo štampanje rukopisa kao monografija).

7. Učešće u međunarodnim ili domaćim naučnim projektima

U periodu od 1.3.2006-31.12.2010. godine bila je angažovana na projektu „Teorija operatora, stohastička analiza i primene", broj 144003, Ministarstva nauke i tehnološkog razvoja Republike Srbije. Od 1.1.2011. godine angažovana je na projektu „Funkcionalna analiza Функционална анализа, stohastička analiza i primene", broj 174007, Ministarstva nauke i tehnologije Republike Srbije.

Učestvovala je na projektu "Očuvanje i razne operatorske i matrične jednačine sa primenama" bilateralne saradnje sa Republikom Slovenijom od 2011-2013, a zatim na bilateralnom projektu "Generalized inverses and applications " sa NR Kinom o 2013-2015. Trenutno je na bilateralnom projektu "Generalized inverses, symbolic computation and operator algebras" sa Austrijom od 2016-2017.

8. Od izbora u prethodno zvanje jedan rad objavljen u časopisu koji izdaje Univerzitet u Nišu ili fakultet Univerziteta u Nišu ili sa SCI liste, u kojem je prvopotpisani autor rada

Dijana Mosić and Nebojša Č. Dinčić, Reverse order law $(ab) ^\dag = b^\dag (a^\dag abb^\dag) ^\dag a^\dag$ in rings with

involution, Filomat 28(9) (2014) 1791-1815.

Ukupan broj poena ostvarenih na osnovu radova kategorije M21a, M21, M22 i M23 je 419

Od izbora u prethodno svanje broj ostvarenih poena je 238 poena:

Enrico Boasso, Dragan S. Djordjević and Dijana Mosić, Weighted Moore-Pernose inverse invertible and weighted EP Banach algebra elements, J. Korean Math. Soc. 50 (6) (2013), 1349-1367.
http://www.mathnet.or.kr/mathnet/thesis_file/JKMS-50-6-1349-1367.pdf

Dijana Mosić and Dragan S. Djordjević, Further results on the reverse order law for the group inverse in rings, Applied Math. Comput., 219 (19) (2013), 9971-9977.
http://www.sciencedirect.com/science/article/pii/S0096300313004049

Dijana Mosić and Dragan S. Djordjević, Several expressions for the generalized Drazin inverse of a block matrix in a Banach algebra, Applied Math. Comput., 220 (2013), 374-381.
http://www.sciencedirect.com/science/article/pii/S0096300313006310

Dijana Mosić, More results on generalized Drazin inverse of block matrices in Banach algebras, Linear Algebra and its Applications 439 (8) (2013), 2468-2478.
http://www.sciencedirect.com/science/article/pii/S0024379513004576

Dijana Mosić and Dragan S. Djordjević, Formulae for the generalized Drazin inverse of a block matrix in terms of Banachiewic-Schur forms, J. Math. Anal. Appl. 413(1) (2014), 114-120.
http://www.sciencedirect.com/science/article/pii/S0022247X13010652

Dijana Mosić, Group inverse and generalized Drazin inverse of block matrices in a Banach algebra, Bull. Korean Math. Soc. 51(3) (2014), 765-771.
http://www.mathnet.or.kr/mathnet/thesis_file/BKMS-51-3-765-771.pdf

Dijana Mosić, Characterizations of k-potent elements in rings, Annali di Matematica Pura ed Applicata 194(4) (2015), 1157-1168.
https://link-springer-com.proxy.kobson.nb.rs/article/10.1007/s10231-014-0415-5

Dijana Mosić, Dragan S. Djordjević and Gabriel Kantun-Montiel, Image-kernel (P,Q)-inverses in rings, Electronic J. Linear 27 (2014), 272-283.
http://repository.uwyo.edu/cgi/viewcontent.cgi?article=1618&context=ela&sei-redir=1&referer=http%3A%2F%2Fscholar.google.com%2Fscholar%3Fq%3Ddijana%2Bmosic%2BImage-kernel%2B%2B%26btnG%3D%26hl%3Den%26as_sdt%3D0%252C5#search=%22dijana%20mosic%20Image-kernel%22

Milica Z. Kolundžija , Dijana Mosić and Dragan S. Djordjević, Generalized Drazin inverse of certain block matrices in Banach algebras, Bull. Iranian Math. Soc. 41(3) (2015) 529--542.
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Dijana Mosić, A note on Cline's formula for the generalized Drazin inverse, Linear and Multilinear Algebra 63(6) (2015) 1106-1110.
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Dijana Mosić, The generalized Drazin inverse of a block matrix in a Banach algebra, Aequat. Math. 89(3) (2015), 849-855.
https://link-springer-com.proxy.kobson.nb.rs/article/10.1007/s00010-014-0280-8

Dijana Mosić, Reflexive-EP elements in rings, Bulletin of the Malaysian Mathematical Society. Ser. 2 40 (2017) 655-664.
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Dijana Mosić and Dragan S. Djordjević, The reverse order law $(ab)^\#=b^\dag(a^\dag abb^\dag)^\dag a^\dag$ in rings with involution, Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas, 109(2) (2015) 257-265.
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Dijana Mosić and Dragan S. Djordjević, Weighted generalized Drazin inverse in rings, Georgian Mathematical Journal 23(4) (2016) 587-594.
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Dragana Cvetković-Ilić, Dijana Mosić and Yimin Wei, Partial orders on $\B(\H)$, Linear Algebra Appl. 481 (2015) 115-130.

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Dijana Mosić and Dragan S. Djordjević, Weighted partial isometries and weighted--EP elements in C^*-algebra, Applied Math. Comput. 265 (2015) 17–30.

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Dijana Mosić and Dragana Cvetković-Ilić, Some orders for operators on Hilbert space, Applied Math. Comput. 275 (2016), 229-237.

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Dijana Mosić, Representations for the generalized inverses of a modified operator, Ukrainian Mathematical Journal 68(6) (2016), 860-864.

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Dijana Mosić, On the Moore-Penrose inverse in rings with involution, Miskolc Mathematical Notes 18(1) (2017), 347–351.

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Dijana Mosić, Reverse order laws on the conditions of the commutativity up to a factor, Revista de La Real Academia de Ciencias Exactas, Fisicas y Naturales. Serie A.Matematicas 111 (2017), 685–695.

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1. Dijana Mosić, Weighted generalized Drazin inverse and weighted EP elements in rings, 12th Serbian Mathematical Congress, Novi Sad 2008.
2. Dijana Mosić, Characterization of EP, normal and Hermitian elements in rings, Functional Analysis and Its Applications, Niš 2009.
3. Dijana Mosić, Recent results on generalized inverses, 16th Conference of the International Linear Algebra Society-ILAS, Pisa (Italy) 2010.
4. Dijana Mosić, Some results on the reverse order law, 2012 SIAM Conference on Applied Linear Algebra, Valencia (Spain) 2012.
5. Dijana Mosić, Generalized Drazin inverse of block matrices in a Banach algebra, 13th Serbian Mathematical Congress, Vrnjačka Banja 2014.
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7. Dijana Mosić, Generalized Drazin inverse of block matrices in a Banach algebra,The International Workshop on Generalized Inverses and Applications, Yangzhou (China) 2014.
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9. Dijana Mosić,Some results on the generalized Drazin inverse, 11th International Symposium on Geometric Function Theory and Applications, Ohrid (Makedonija) 2015.
10. Dijana Mosić, Weighted pre-orders involving the generalized Drazin inverse, International Conference on Theory and Applications of Mathematics and Informatics, Alba Iulia (Romania) 2015.

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N. Thome, Inequalities and equalities for $l = 2$ (Sylvester), $l = 3$ (Frobenius), and $l > 3$ matrices, Aequationes Mathematicae 90 (5) (2016), 951-960.
L. Lebtahi , P. Patrício, N.Thome, Special elements in a ring related to Drazin inverses Linear and Multilinear Algebra 61 (8) (2013), 1017-1027.
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P.S. Stanimirović, V.N. Katsikis, H. Ma, Representations and properties of the W-Weighted Drazin inverse, Linear and Multilinear algebra 65(6) (2017), 1080-1096.
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S.B. Malik, N. Thome, On a Revisited Moore-Penrose Inverse of a Linear Operator on Hilbert Spaces, Filomat 31(7) (2017), 1927–1931.
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Y. Tian, H. Wang, Characterizations of EP matrices and weighted-EP matrices, Linear Algebra and its Applications 434(5) (2011), 1295-1318.

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Potpis kandidata: _____

Napomena: Kandidat je dužan da popunjen, odštampan i potpisan obrazac o ispunjavanju uslova za izbor u zvanje nastavnika dostavi fakultetu koji je objavio konkurs zajedno sa ostalom dokumentacijom kojom dokazuje da ispunjava uslove konkursa.