prof.dr. Karmelita Pjanić- Lipovača
Faculty of Pedagogy, University of Bihać
Bosnia and Herzegovina
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EDUCATION

2009   PhD Mathematics Education, University of Eastern Sarajevo
Thesis: *Students' strategies in solving differencial equations in mathematical and nonmathematical context*
Supervisor: prof.dr. Milenko Pikula

2005   Master of science, Mathematics, University of Eastern Sarajevo
Thesis:*Von Neumann's algebras and modular theory of Tomita-Takesaki*
Supervisors: academician Fikret Vajzović and prof.dr. Mirjana Vuković

2001-2004   Postgraduate studies in Mathematics (Functional Analysis), University of Sarajevo

1995-1999   Professor of Mathematics, Graduate studies in Mathematics, University of Sarajevo

RESEARCH AND TEACHING INTERESTS

Learning and teaching mathematics, methodology of teaching mathematics, history of mathematics, popularization of mathematics

RESEARCH EXPERIENCE (PARTICIPATION IN RESEARCH PROJECTS)

2014-2015   *n core curiccula in Mathematics defined on learning outcomes,*The Agency for Pre-Primary, Primary and Secondary Education, Bosnia and Herzegovina.

2010-2014   *of evaluation and strategies for improvement of education quality in Serbia*, supported by the Ministry of Education and Science, Republic of Serbia.

2005-2009   *Some temporary problems in functional analysis and algebra with applications*
Project supported by Federal Ministry of Education and Science, Bosnia and Herzegovina.

2004-2007   *Promotion of Information, Communication and Technology (ICT) Education and Developing Environment for e-Learning in Informatics and Mathematics at Elementary and Secondary Levels for Bosnia-Herzegovina*, Supported by JICA, Japan

TEACHING EXPERIENCE

2018 -   **Full professor**, University of Bihać, Faculty of Pedagogy
Courses: Methodology of teaching mathematics (Primary ed. department and Mathematics department), Mathematics I, Matematics II, (Primary ed. department), Methodology of development mathematical concepts, Basis of Mathematics (Preschool ed. department); Calculus II, Mathematics department)

2014 - 2017   **Associate professor**, University of Bihać, Faculty of Pedagogy
Courses: Methodology of teaching mathematics (Primary edu. department and Mathematics department), Mathematics I, Matematics II, Higher mathematics (Primary ed. department), Methodology of development mathematical concepts (Preschool ed. department); Calculus II, Calculus III, Calculus IV

2011- 2013   **Docent**, University of Bihać, Faculty of Pedagogy
Courses: Methodology of teaching mathematics (Primary ed. department and Mathematics department), Mathematics I, Matematics II, Higher mathematics (Primary ed. department), Methodology of development mathematical concepts (Preschool ed. department); Calculus II, Calculus III, Calculus IV (Mathematics department)

2010 – 2011   **Docent,** University of Sarajevo, Faculty of Educational Sciences

Courses undergraduate study: Methodology of teaching mathematics I, II, III, IV, Methodology of development mathematical concepts I, II, III.

Graduate courses: Methodology of teaching mathematics, Methodology of development mathematical concepts.

Postgraduate study: ICT in mathematics eduaction, Creativity in teaching mathematics, Contemporary tools in teaching mathematics

2006 – 2009.   **Higher assistant,** University of Sarajevo, Faculty of Educational Sciences

Courses: Mathematics I, Mathematics II, Mathematics III, Methodology of teaching mathematics, Methodology of development mathematics concepts

2003-2006.   **Assistant,** University of Sarajevo, Faculty of Educational Sciences

Courses: Mathematics I, Mathematics II, Mathematics III, Methodology of teaching mathematics, Methodology of development mathematics concepts

2002 – 2003.   **Mathematics teacher,** Technical High School for Civil Building and Geodesy, Sarajevo

1999 –2002.   **Mathematics teacher,** The First Bosniak Grammar School, Sarajevo

PUBLICATIONS

Books	1. **Pjanić-Lipovača,K**., Liđan, E.(2015).*The Basis of Mathematics*, Pedagoški fakultet Univerziteta u Bihaću, Bihać, ISBN 978-9958-533-08-2: 258p. (in bosnian) 2. Pjanić-Lipovača, K.(2014).*General methodology of mathematics education,*Pedagoški fakultet Univerziteta u Bihaću, Bihać, ISBN 978-9958-594-17-5: 372p.(in bosnian) 3. Pjanić-Lipovača, K. (2013).*Overview on modular theory of Tomita-Takesaki*, Pedagoški fakultet Univerziteta u Bihaću, Bihać ISBN 978-9958-594-15-1: 141p.(in bosnian)
Papers *(Journal publications)* **PEER REVIEWED**	1. Nesimović, S., Pjanić, K. (2019). Geometric thinking of primary school pupils. In Monograph (Eds. Kolar-Begović, Z., Kolar-Šoper, R., Jukić Matić, Lj.) *Towards New Perspectives on Mathematics Education,* Osijek*, 135-145.* 2. Nesimović, S., Pjanić, K. (2019). Teachers' opinions on geometric contents in the curriculum for the lowergrades of primary school. In Monograph (Eds. Kolar-Begović, Z., Kolar-Šoper, R., Jukić Matić, Lj.) *Towards New Perspectives on Mathematics Eeducation,* Osijek*, 123-134.* 3. Pjanić, K. **(**2019). Paradigme naučnog istraživanja u (matematičkom) obrazovanju, (Eds. Nesimović, S., Mešanović-Meša, E.) *Prozor u svijet obrazovanja, nauke i mladih*, Pedagoški fakultet Univerziteta u Sarajevu, Sarajevo, 13-20. 4. Liđan, N., **Pjanić, K.** (2019). Strategije učenika 5. razreda u rješavanju tekstualnih zadataka, (Eds. Nesimović, S., Mešanović-Meša, E.) *Prozor u svijet obrazovanja, nauke i mladih*, Pedagoški fakultet Univerziteta u Sarajevu, Sarajevo, 36-48. 5. Pjanić, K. (2018). in (Eds. Gert Schubring, Lianghuo Fan & Victor Giraldo) *Proceedings of the Second International Conference on Mathematics Textbook Research and Development* (ICMT-2), Instituto de Matemática, Universidade Federal do Rio de Janeiro, 206-212. Proceedings available for download at: http://www.sbembrasil.org.br/sbembrasil/index.php/linksand at the site of the Asian Centre forMathematics Education, Shanghai: http://acme.ecnu.edu.cn/1a/3f/c17129a203327/page.htm 6. **Pjanić, K.**, Vuković, M. (2018). Sangaku Fan Shape Problems, Scientific Issues Jan Dlugosz Universityin Czestochowa Mathematics XXIII, 45-55. 7. Nesimović, S., **Pjanić, K.** (2018). Possibilities of Effective Group Work in the Primary Geometry Classes, in (Eds. Mulalić, M., Obralić, N., Mulalić, A., Jelešković, E.) *The Future of Humanities, Education and Creative Industries,* International University of Sarajevo, Sarajevo, 108-116. 8. Pjanić, K. (2016). Elementarni tekstualni zadaci o sabiranju i oduzimanju u udžbenicima matematike, in (ur. Ristić, M., Vujović, A.) *Didaktičko-metodički pristupi i strategije – podrška učenju i razvoju dece,* Učiteljski fakultet Beograd, 321-329. 9. **Pjanić, K.**, Hamzabegović, J. (2016). Are Future Teachers Methodically Trained to Distinguish Good from Bad Educational Software? *Practice and Theory in Systems of Education*, Volume 10 Number 1, De Gruyter, 36-44, DOI 10.1515/ptse-2016-0005 10. **Pjanić,** K., Liđan, E. (2015). One Usage of Geogebra in Enhancing Pre-service Mathematics

Teachers' Content Knowledge*, Tourkish Journal of Computer and Mathematics Education, Vol.6..,No1.,*ISSN: 1309-4653, 18 - 30.

11. **Pjanić**, K., Liđan, E., Kurtanović, A. (2015).Visualization of Relationship between a Function and Its Derivative, *Eğitim Bilimleri Araştırmaları Dergisi - Journal of Educational Sciences Research EBAD-JESR 5(1)*), ISSN: 2146-5266, 205-213.

12. **Pjanić,** K., Nesimović, S. (2015).Tendencies in identifying geometric shapes observed in photos of real objects - case of students of primary education, In <u>Monograph</u> *Mathematics Teaching for the Future* (Eds. Z. Kolar-Begović, R. Kolar-Šuper, I. ĐurđevićBabić), Element, Zagreb, ISBN 978-953-197-586-5: pp. 228-238.

13. **Pjanić, K.,** Liđan, E. (2015).Graphical representations in teaching GCF and LCM, In <u>Monograph</u> *Mathematics Teaching for the Future* (Eds. Z. Kolar-Begović, R. Kolar-Šuper, I. Đurđević Babić), Element Zagreb, ISBN 978-953-197-586-5: 72-81.

14. **Pjanić K.**, Nesimović, S. (2014). Geometrijska interpretacija nejednakosti između brojevnih sredina pomoću arbelosa, *Nastava matematike LIX_3*, Društvo matematičara Srbije, Beograd, ISSN: 0351-4463; 32-35.

15. Pjanić, K. (2014). The Origins and Products of Japanese Lesson Study, *Inovacije u nastavi Vol.27.br.3*, Učiteljski fakultet Beograd, Beograd, ISSN: 0352-2334, 83-93.

16. **Pjanić, K.,** Miljković,J., Alibabić, Š., (2014). Education in methodology of teaching mathematics for new school, In (Eds. V. Nicolescu, F. Stavciu, M.Dramnescu), *15th International Conference of BASOPED, Educational reform in the 21st century in Balkan countries,*Bucharest, 534-539.

17. Miljković, J., **Pjanić, K.,** Alibabić, Š., (2014). Reform of adult's basic education – educational reform in practice, In (Eds. V. Nicolescu, F. Stavciu, M. Dramnescu), *15th International Conference of BASOPED, Educational reform in the 21st century in Balkan countries,* Bucharest, 132-136.

18. **Pjanić, K.,** Nesimović, S. (2014).Sistem stavova učitelja o efektnoj nastavi matematike-BiH između Istoka i Zapada, *Zbornik radova sa Naučnog skupa Nauka i globalizacija*, Univerzitet u Istočnom Sarajevu, 141-148.

19. Ibrahimpašić, B., **Pjanić, K.** (2014). Euklidov algoritam za određivanje najvećeg zajedničkog djelioca, MATKOL VolXX (1), Banja Luka, 15-25.

20. **Pjanić, K.,**Nesimovic, S. (2013). Foundamental prospective teachers' algebraic knowledge, *Monography Mathematics Teaching for the Future* (Eds. M. Pavleković, Z. Kolar-Begović, R. Kolar-Šuper), Element Zagreb, 214-223.

21. Nesimovic, S., **Pjanić, K.** (2013) .Mogućnosti realizacije nejednakosti između brojevnih sredina u srednjoj školi, *In (Ed. M. Pikula) Zbornik radova sa Naučnog skupa 2012* Tom 3, Univerzitet u Istočnom Sarajevu, 211-218.

22. **Pjanić, K.**(2012). On expression of some arithmetic rules in mathematics textbooks, *International Congress in Mathematical Education*, Seoul, South Korea,

23. **Pjanić, K.,** Alibabić, Š., Miljković, J. (2012). Evaluation of adult numeracy curriculum, *In (Ed. A. Pejatović)14th International Conference of BASOPED*, Belgrade Beograd,

24. **Pjanić, K.,**Nesimovic, S. (2012).Algebarska i grafička reprezentacija pojma funkcije, *Zbornik radova sa Naučnog skupa 2011* , Univerzitet u Istočnom Sarajevu, 263-269.

25. Hadžibegović, Z., **Pjanić, K.** (2011). Obrazovanje budućih nastavnika tehničke kulture: razmatranje stupnja uzajamnog integriranja znanja u matematici i fizici, *Pedagogija* 3/ 2011 God. LXVI, Beograd, 468- 480.

26. Hadžibegović, Z., **Pjanić, K.,** (2011).Studija o rezultatima uzajamnog integriranja znanja u matematici i fizici studenata tehničkog obrazovanja na Univerzitetu u Sarajevu, *Naša škola,* Godina LVII, broj 56/226, Sarajevo, 153-170.

27. Pjanić, K., (2011).Uspješnost studenata tehničkih fakulteta u primjeni grafičke metode rješavanja diferencijalnih jednačina, *Spomenica akademika Veselina Perića,* Akademija nauka i umjetnosti Republike Srpske, Knjiga VIII, Odjeljenje prirodno-matematičkih i tehničkih nauka, Knjiga 15, Banja Luka, 537-545.

28. Pjanić, K., (2011). Pojam funkcije i njegovo razumijevanje – slučaj studenata razredne nastave, *Zbornik radova sa Naučnog skupa „Nauka i politika" 2010*, Univerzitetu Istočnom Sarajevu, 131-140.

29. Pjanić, K., (2010). The role of teaching and learning settings in solving ordinary differential equations in various contexts, *International Congress of Mathematicians* 2010, Hyderabad, India, 651-652.

30. Pjanic, K., (2010). Interactive online visual contents for the learning of mathematics, (Ed. O. Demirel), *13th International Conference of BASOPED,* Varna Bulgaria, 557- 563.

	31. Pjanić, K., (2010). Uspješnost studenata tehničkih fakulteta u primjeni grafičke metode rješavanja diferencijalnih jednačina, *Zbornik radova sa Naučnog skupa Interdisciplinarnost i jedinstvo savremene nauke* 2009, Univerzitet u Istočnom Sarajevu
	32. Tsankova, J. K., **Pjanic, K.,** (2010).*The Area Model of Multiplication of Fractions*, *Mathematics Teaching in the Middle School*, Vol. 15, No. 5, National Council of Teachers of Mathematics (NCTM), December 2009/January 2010, 281-285.
	33. Pjanić, K. (2010).Methodological Characteristics of Teaching Mathematics in Inclusive Classes, *Inclusive Education in The Balcan Countries Policy and Practice*, (Ed. O. Demirel), 12th International Conference of BASOPED, Ohrid, 2009. 333-339.
	34. Pjanić, K. (2009).*Uspješnost studenata matematike u primjeni grafičke metode rješavanja diferencijalnih jednačina*, Inovacije u nastavi Vol.22, Beograd, 63-68.
	35. Pjanić, K. (2008).*Further education of teachers in Sarajevo Canton*, Further Education in the Balkan Countries (Ed. O. Demirel, A. M. Sunbul), Education and Pedagogy in Balkan Countries 9, Vol. II, Konya
	36. Pjanić, K. (2008).*Some examples of contractions on C[0,1], L2(0,1) and R^n*, Revista Epsilon, Bogota,N°. 10, Enero – junio de 2008, 33–38.
	37. Pjanić, K. (2007). On Conditions for Existence of the One and Only One Solution of Functional Equation $\varphi(x)+\varphi[f(x)]=F(x)$. Revista Epsilon, Bogota, N°. 9, Julio/diciembre 2007, 141 –151.
	38. Pjanić, K. (2007).*On functional equation $U_t + U_{-t} = V_t + V_{-t}$ on Banach space,* Sarajevo Journal of Mathematics, Vol 16, ANU, Sarajevo, 241-248.
	39. Pjanić, K. (2007).*On Existence of Solution of Functional Equation $\varphi(x)+\varphi[f(x)]=F(x)$* , Revista Epsilon, Bogota, N°. 8, Enero-junio 2007, 125-130.
	40. **Pjanić, K.,** Mindoljević, V., Petković, Lj. (2005). *Development of learning contents with Information and communication Technology (ICT) and e-Learning Envirinment for Informatics and Mathematics*, Center for Research on International Cooperation in Educational Development, University of Tsukuba
	41. **Pjanić, K.,** Mindoljević, V., Petković, Lj., Miyakawa, T., Isoda, M. (2005). *Development of Learning Contents with ICT on Mathematics and Informatics,* Japan Society for Science Education 29th Annual Convention
Papers in Conference proceedings PEER REVIEWED	1. Liđan, N., **Pjanić, K.** (2019). Strategije učenika 5. razreda u rješavanju tekstualnih zadataka, (Eds. Nesimović, S., Mešanović-Meša, E.) *Prozor u svijet obrazovanja, nauke i mladih*, Pedagoški fakultet Univerziteta u Sarajevu, Sarajevo, Knjiga sažetaka, 12-13, april 2019.
	2. Pjanić, K. (2019). Abu'l Wafa problem – possible tool for fostering subject and pedagogical content knowledge of pre-service mathematics teachers, in (Eds. Lawrence, S., Mihajlović, A., Đokić, O.) *Proceedings of the Training Conference History of Mathematics in Mathematics Education*, Faculty of Education, University of Kragujevac, 26-30, October 2018, Jagodina, 12-16.
	3. Pjanić, K. **(**2018). Lenght measurement activities using informal units of measurement in the first grade of a nine-year primary school, u (Eds. Miščević Kadijević, G., Plazinić, Lj., Bojanić, Lj.) *Modern approaches to the professional development and work of preschool and primary school teachers*, Učiteljski fakultet Univerziteta u Beogradu, 25, May 2018, Book of Abstracts, pp.177.
	4. Nesimović, S. **Pjanić, K.** (2017). Possibilities of effective group work in the primary geometry classes, *Conference „The Future of Humanities, Education and Creative Industries*", IUS, Sarajevo, 12-13, October 2017.
	5. Pjanić, K. **(**2017).One-step multiplication and division word problems in the 3rd grade textbooks in Bosnia and Herzegovina, II International Conference on Mathematics Textbooks Research and Development, ICMT 2, Rio de Janeiro, 7-11, May 2017, Abstracts, pp.139.
	6. **Pjanić, K. (**2015). Elementarni tekstualni zadaci o sabiranju I oduzimanju u udžbenicima matematike**,** *Didaktičko-metodički pristupi i strategije – podrška učenju i razvoju dece***,** Učiteljski fakultet Beograd, 20. novembra 2015. Knjiga rezimea, pp.54.
	7. **Pjanić, K.,** Liđan, E. (2015). Evaluation of visual models for the greatest common factor and the least common mulitple, *7th International Conference for Theory and Practice in Education. Methodology Budapest, Hungary,* 25-27. June 2015. *Book of Abrstacts*, pp.37.
	8. **Pjanić,K.,** Hamzabegović, J. (2015). Are future teachers methodically trained to distinguish good from bad educational software?, *7th International Conference for Theory and Practice in Education. Methodology Budapest, Hungary,* 25-27. June 2015.; *Book of Abrstacts*, pp.25.

9. **Pjanić, K.,** Liđan, E. (2015), Graphical representations in teaching GCF and LCM, The *5th International Science Colloquium, Mathematics and Children,* 29-30, May 2015,Osijek, Croatia; *Book of Abrstacts*, pp. 16.

10. **Pjanić, K.,** Nesimović, S. (2015). Tendencies in identifying geometric shapes observed in photos of real objects – case of students of primary education, The *5th International Science Colloquium, Mathematics and Children,* 29-30, May 2015, Osijek, Croatia; *Book of Abrstacts*, pp. 29.

11. **Pjanić, K.,** Liđan, E., Kurtanović, A. (2014). Visualization of Relationship between a Function and Its Derivative, *The 8th International Computer & Instructional Technologies Symposium ICITS 2014, Trakya University* Edirne, Turkey, 8-20 September 2014, Edirne, Turska; pp.289.

12. **Pjanić, K.,** Liđan, E. (2014). One Usage of Geogebra in Enhancing Pre-service Mathematics Teachers' Content Knowledge, *The 8th International Computer & Instructional Technologies Symposium ICITS 2014, Trakya University* Edirne, Turkey, 8-20 September 2014, pp.167

13. **Pjanić, K.,**Nesimovic, S. (2013). Sistem stavova učitelja o efektnoj nastavi matematike-BiH između Istoka i Zapada, *Naučni skup Nauka i globalizacija – Knjiga rezimea*, Univerzitet u Istočnom Sarajevu, pp. 366-367.

14. **Pjanić, K.,**Nesimovic, S. (2013). Foundamental prospective teachers' algebraic knowledge, The *4th International Science Colloquium, Mathematics and Children Book of Abrstacts*, Osijek, Croatia, pp. 32.

15. **Pjanić, K**., Miljković, J., Alibabić, Š.(2012). Education in methodology of teaching mathematics for new school, *15th International Conference of BASOPED, Bucharest, Book of Abstracts* (Ed. V. Nicolescu), Bucharest, pp.59.

16. Miljković, J., **Pjanić, K.,** Alibabić, Š., (2012). Reform of adult's basic education – educational reform in practice, *15th International Conference of BASOPED, Bucharest, Book of Abstracts* (Ed. V. Nicolescu), Bucharest, Romania, pp.45.

17. **Pjanić, K.** Nesimovic, S., (2012). Mogućnosti realizacije nejednakosti između brojevnih sredina u srednjoj školi *Naučni skup Nauka i tradicija,* Univerzitet u Istočnom Sarajevu, 19-21. Maj 2012, Pale, Bosna i Hercegovina,

18. **Pjanić, K**., Alibabić, Š., Miljković, J., (2011) Evaluation of adult numeracy curriculum, *14th International Conference of BASOPED,* Belgrade, *Book of Abstracts* (Ed. A. Pejatović), Beograd, pp.120.

19. **Pjanić, K.**, Nesimović, S., (2011) Algebarska I grafička reprezentacija pojma funkcije, *Naučni skup Nauka i identitet,* Univerzitet u Istočnom Sarajevu, 21-22. Maj 2012, Pale, Bosna i Hercegovina.

20. **Pjanić, K.**, Nesimovic, S., (2010) Pojam funkcije i njegovo razumijevanje – slučaj studenata razredne nastave, *Naučni skup Nauka i politika,* Univerzitet u Istočnom Sarajevu, 21-22. Maj 2010, Pale, Bosna i Hercegovina.

21. Pjanić K. **(**2009) Uspješnost studenata tehničkih fakulteta u primjeni grafičke metode rješavanja diferencijalnih jednačina, *Naučni skup Interdisciplinarnost i jedinstvo savremene nauke,,* Univerzitet u Istočnom Sarajevu, 22-24. Maj 2009, Pale, Bosna i Hercegovina.

22. Pjanić, K. (2009) *Methodological Characteristics of Teaching Mathematics in Inclusive Classes*, Inclusive Ecuvation in The Balcan Countries Policy and Practice, Book of Abstracs, 12th International Conference of BASOPED, Ohrid, Macedonia, june 2009.

23. Pjanić, K. **(**2008), Further education of teachers in Sarajevo Canton, *The 12th International Conference of BASOPED, Konya,* 23-25 October 2008, Turkey; Book of Abstracts.

24. Pjanić, K. **(**2007) Some specific problems in high school mathematics in Bosnia and Herzegovina, *Spring Annual Conference of ATMIM (Association of Teachers of Mathematics in Massachusetts)*, April 2007, Massachusetts SAD;

25. Annual Congress of National Council of Supervisors of Mathematics (NCSM), Atlanta Georgia, SAD, 19– 21. March 2007.

26. Annual Congress of National Council of Teachers of Mathematics (NCMT), Atlanta Georgia, SAD, 22– 24. March 2007.

27. International Educational Cooperation Symposium- International cooperation in mathematics education, University of Tsukuba 4-5, March 2006.

28. Interaction 2005. – Informatics inovations, Tokyo 28-30, March 2005.

29. Conference of Scientific Research on Research on Priority Areas- Science Education. Tokyo 18-19, February, 2005.

30. International Educational Cooperation Congress about Numeracy, Tokyo, January 28, 2005.

31. Annual Congress of Japan Society of Mathematical Education, Okayama 20-21November, 2004.

32. International Educational Cooperation Symposium- Problematic and perspective of international cooperation in mathematics education, University of Tsukuba, November 29, 2004.

AWARDS, SCHOLARSHIPS AND FELLOWSHIPS
2012   Federal Ministry of Education and Science BIH,
2010   Federal Ministry of Education and Science, Ministry of Civil Affairs BIH,
2007   Junior Faculty Development Program, USA, University of Roger Williams
2004-2005   Japan International Cooperation Agency (JICA), Univesity of Tsukuba

ACADEMIC MOBILITY

October 2019	**Visiting professor** Faculty of Education, Dumlupinar University, Kutahya, Turkey Erasmus+ ICM Program
April 2018	**Visiting professor** Faculty of Education, Cukurova University, Adana, Turkey Erasmus+ ICM Program
December 2016	**Visiting professor** Faculty of Education, University of Warsaw, Warsaw, Poland Erasmus+ ICM Program
2015-2016	**Visiting professor** Faculty of Education, University of Sarajevo - Evaluation in mathematics teaching (doctoral program course)
2011-2012	**Visiting professor** Faculty of Education, University of Sarajevo - Methodology of teaching mathematics (undergraduate and graduate courses)
2010-2011	**Visiting professor** Faculty of Pedagogy, University of Bihać - Methodology of teaching mathematics - Mathematics - Higher mathematics
2011	**Visiting professor** Postgraduate studies at Department of Mathematics and computers, University of Eastern Sarajevo - Temporary aspects of geometry teaching
January – may 2007	**Visiting scholar** Roger Williams University, Rhode Island, USA Content and processes for teaching math in the Elementary School (EDU349) Math in Elementary School (EDU350) Math in Elementary School (EDU350-graduate study)
2004-2005	**Project member** University of Tsukuba, Japan Project: Promotion of Information, Communication and Technology (ICT) Education and Developing Environment for e-Learning in Informatics and Mathematics at Elementary and Secondary Levels

LANGUAGE COMPETENCE
• Superior skills in English (oral and written)
• Basic skills in Spanish (oral and written)