Faton Berisha

Curriculum Vitae

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Date of birth:
February 16, 1968
Place of birth:
Pristina, Kosovo

Education

1997–1998	**PhD of Mathematical Sciences**, *Faculty of Mathematics and Natural Sciences*, University of Pristina PhD studies (theory of approximations)
1993–1997	**Master of Mathematical Sciences**, *University of Pristina*, Pristina, *Average grade: 10.0 (out of 10.0)* Postgraduate studies (Fourier analysis)
1987–1991	**Professor of mathematics**, *University of Pristina*, Pristina, *Average grade: 9.87 (out of 10.0)* Basic studies (mathematics)
2002	**Doctorial School in Mathematics**, *Institute "Alfred Renyi" of Hungarian Academy of Sciences, Department of Mathematics and Applications of the Central European University*, Budapest, Hungary Numerical analysis, Computer programming

Phd thesis

Title	*Applying generalised moduli of smoothness for approximating functions by algebraic polynomials in weighed Jacobi metrics*
Supervisors	Mikhail K. Potapov, Fevzi Berisha
Description	For a given non-periodic function, two asymmetrical operators of generalised translation are defined. By their means, two generalised moduli of smoothness of order r are defined. For these moduli, theorem of coincidence of classes, and Jackson-s and its converse theorems are proved.

Experience

Vocational

2004–...	**Full Professor**, *Faculty of Mathematics and Natural Sciences*, University of Pristina Courses: Numerical analysis, Programming and algorithms
2011–2017	**Visiting Professor**, *Faculty of Computer Science*, University of Prizren
1998–2016	**Visiting Professor**, *State University of Tetovo*, Tetovo, Macedonia
2003–2013	**Visiting Professor**, *South-East European University*, Tetovo, Macedonia
2007–2016	**Visiting Professor**, *University "Business"*, Pristina
2008–2009	**Visiting Professor**, *University AAB*, Pristina

2007	**Visiting Professor**, *American University in Kosova*, Pristina
1999–2004	**Assistant Professor**, *Faculty of Mathematics and Natural Sciences*, University of Pristina
1996–1999	**Teaching Assistant**, *Faculty of Mathematics and Natural Sciences*, University of Pristina
1991–1996	**Professor of High School**, *High Pedagogical School*, University of Pristina

International

September– October 2017	**Study visit**, *Arizona State University*, Phoenix, USA, Exchange program Transformational Leadership Program – Scholarships and Partnerships
November– December 2006	**Seminary presentation**, *Carlow Institute of Technology*, Carlow, Ireland Computer science
2002	**Doctorial School in Mathematics**, *Institute "Alfred Renyi" of Hungarian Academy of Sciences, Department of Mathematics and Applications of the Central European University*, Budapest, Hungary Numerical analysis, Computer programming
March–May 2002	**Seminary presentation**, *University of Jena*, Jena, Germany Study visit
May–June 2001	**Seminary presentation**, *University of La Rochelle*, La Rochelle, France
1997–1998	**Specialization (Preparing PhD thesis)**, *Moscow State University*, Moscow, Russia Theory of approximations

Attendances in International Conferences and Seminars

October 19–20, 2023	**DRC Annual Conference 2023**, *Danube Rectors' Conference*, West University of Timisoara Romania
September 18–20, 2023	**Partnering for Excellence – Partnering for Europe**, *7th Berlin Process Joint Science Conference*, German National Academy of Sciences Leopoldina, Academy of Sciences of Albania Tirana, Albania
September 4–5, 2023	**7th Rectors' Forum of Southeast Europe and Western Balkans**, *Rectors' Forum of Southeast Europe and Western Balkans*, University of Rijeka Croatia
November 19, 2019	**Teaching (FAIR) data management and stewardship**, *European University Association (EUA)*, Focus Group, University of Amsterdam Netherlands
November 15, 2019	**VSNU - EUA Conference on Recognition & Rewards**, *Association of Universities in the Netherlands (VSNU)*, European University Association (EUA) Rotterdam, Netherlands
June 12–14, 2019	**The Societal Dimension of Doctoral Education**, *2019 European University Association Council for Doctoral Education (EUA-CDE) Annual Meeting*, University of Brescia Italy

May 3, 2019	**The European Landscape of Doctoral Education: The Future of Research Collaboration**, *UK Council for Graduate Education (UKCGE)*, European University Association for Doctoral Education (EUA-CDE), The British Academy London, UK
April 4–5, 2019	**EBSA22 Conference**, *European Biosafety Association* Bucharest, Romania
May 9–12, 2018	**Plagiarism Across Europe and Beyond**, *European Network for Academic Integrity (ENAI)*, 4-th International Conference, Canakkale Onsekiz Mart University Ephesus, Turkey
May 24–26, 2017	**Plagiarism Across Europe and Beyond**, *European Network for Academic Integrity (ENAI)*, 3-rd International Conference, Mendel University Brno, Czech Republic

Editorial Duties

2019	**Team Leader**, *Kosovo team*, International Mathematical Olympiad IMO 2019 Bath, United Kingdom
2018	**Team Leader**, *Kosovo team*, International Mathematical Olympiad IMO 2018 Cluj-Napoca, Romania
2017	**Team Leader**, *Kosovo team*, International Mathematical Olympiad IMO 2017 Rio de Janeiro, Brazil
2016	**Team Leader**, *Kosovo team*, International Mathematical Olympiad IMO 2016 Hong Kong
2013–2016	**Editorial board member**, *Journal of Advanced Research in Applied Mathematics (JARAM)* Irvine, CA, USA
2014–2016	**Reviewer**, *SOP Transactions on Statistics and Analysis*, Scientific Online Publishing Nashville, IL, USA

Managerial

2022–...	**Vice-rector**, *University of Prishtina* Provost
2022–...	**Head of Appeal Committee**, *Kosovo Accreditation Agency* Higher education
2018–...	**Member of Book committee**, *Ministry of Culture, Youth and Sport* Culture
2016–2020	**Vice-rector**, *University of Prishtina* Research
2018–2019	**Board member**, *VentureUP*, University of Prishtina Venture Incubator Innovation, entrepreneurship
2012–2016	**Member of the Central University Council for PhD Studies**, *University of Pristina* Mathematics, Computer science, Natural Sciences
2010–2011	**Head of PhD studies**, *Faculty of Mathematics and Natural Sciences*, University of Pristina

2008–2010	**Member of the Central University Council for PhD Studies**, *University of Pristina*
	Mathematics, Computer science, Natural Sciences
2008–2010	**Superivsor of two PhD Candidates**, *South East European University*, Tetovo, Macedonia
	Computer Science
1999–2004	**Member of the Management Board**, *European Union TEMPUS Project*, Master studies: University of La Rochelle, France, Institute of Technology, Carlow, Irland, University of Pristina
	Computer Science
2001–2003	**Vice-Dean of the Faculty of Mathematics and Natural Sciences**, *University of Pristina*

Languages

Albanian	Excellent: writing, speaking	*Mother tongue*
English	Excellent: writing, speaking	
Russian	Very good: writing, speaking	
Croatian	Excellent: writing, speaking	
German	Good: writing, speaking	

Computer skills

Computer programming	Java, C++, OOP Design, VB	Computer graphics	PostScript, psTricks, GIMP, Adobe Photoshop
Databases and WWW	MySQL, PhP, Apache, OpenOffice.org Base, MS Access	CAS	Maxima, Octave, Mathematica, MathLab, MathCad
Text processing	LaTeX, beamer, OpenOffice.org Impress	Spreadsheets	OpenOffice.org Calc, MS Excel, R, MegaStat

Interests

Theory of approximations	Operators of translation
Fourier analysis	Estimating Fourier coefficients
Numerical analysis	Accelerating convergence of series
Software engineering	Software design in OOP

Hobies

-Computer

-Jogging

-Travelling

Publications

N. Sh. Berisha, F. M. Berisha, M. K. Potapov, and M. Dema. On approximations by trigonometric polynomials of classes of functions defined by moduli of smoothness. *Abstr. Appl. Anal.*, 2017:Art. ID 9323181, 11, 2017.

M. K. Potapov, F. M. Berisha, N. Sh. Berisha, and R. Kadriu. Some reverse l_p-type inequalities involving certain quasi monotone sequences. *Math. Inequal. Appl.*, 18(4):1245–1252, 2015.

F. M. Berisha and N. Sh. Berisha. Approximating classes of functions defined by a generalised modulus of smoothness. *Math. Sci. Appl. E-Notes (MSAEN)*, 1(2):84–89, 2013.

N. Sh. Berisha and F. M. Berisha. Approximating classes of functions defined by operators of differentiation or operators of generalised translation by means of algebraic polynomials. *Int. J. Math. Anal. (Ruse)*, 6(55):2709–2729, 2012.

M. K. Potapov and F. M. Berisha. On the connection between the best approximation by algebraic polynomials and the modulus of smoothness of order r. *J. Math. Sci. (N. Y.)*, 155(1):153–169, 2008. English translation from [6].

M. K. Potapov and F. M. Berisha. O svyazi mezhdu nailuchshimi priblizheniyami algebraicheskimi mnogochlenami i r-ym obobshchennym modulem gladkosti. *Sovrem. Mat. Fundam. Napravl.*, 25:149–164, 2007.

M. Q. Berisha and F. M. Berisha. A note on the inverse theorem for a generalised modulus of smoothness. *Mat. Bilten*, (25):91–96, 2001.

M. K. Potapov and F. M. Berisha. On Jackson's theorem for the modulus of smoothness determined by a nonsymmetric generalized shift operator. *Mosc. Univ. Math. Bull.*, 55(3):6–14, 2000. English translation from [9].

M. K. Potapov and F. M. Berisha. O teoreme Dzheksona dlya modulya gladkosti opredelyaemogo nesimmetricheskim operatorom obobshchennogo sdviga. *Vestnik Moskov. Univ. Ser. I Mat. Mekh.*, (3):7–15, 77, 2000.

M. K. Potapov and F. M. Berisha. O svyazi mezhdu nailuchshimi priblizheniyami algebraicheskimi mnogochlenami i r-ym obobshchennym modulem gladkosti. In *Metric theory of functions and related problems in analysis (Russian)*, pages 197–219. Izd. Nauchno-Issled. Aktuarno-Finans. Tsentra (AFTs), Moscow, 1999.

M. K. Potapov and F. M. Berisha. O svyazi mezhdu r-ym obobshchennym medulem gladkosti i nailuchshimi priblizheniyami algebraicheskimi mnogochlenami. *Fundam. Prikl. Mat.*, 5(2):563–587, 1999.

M. K. Potapov and F. M. Berisha. Direct and inverse theorems of approximation theory for a generalized modulus of smoothness. *Anal. Math.*, 25(3):187–203, 1999.

M. Q. Berisha and F. M. Berisha. On monotone Fourier coefficients of a function belonging to Nikol'skiĭ-Besov classes. *Math. Montisnigri*, 10:5–20, 1999.

M. K. Potapov and F. M. Berisha. Approximation of classes of functions defined by a generalized k-th modulus of smoothness. *East J. Approx.*, 4(2):217–241, 1998.

F. M. Berisha. On coincidence of classes of functions defined by a generalized modulus of smoothness and the appropriate inverse theorem. *Math. Montisnigri*, 9:15–36, 1998.

F. M. Berisha and M. H. Filipović. On some transforms of trigonometric series. *Publ. Inst. Math. (Beograd) (N.S.)*, 61(75):53–60, 1997.

F. M. Berisha, N. Sh. Berisha, and M. Sadiku. On some l_p-type inequalities involving quasi monotone and quasi lacunary sequences. In *Book of abstracts*, page 67, The Eighth Congress of Romanian Mathematicians, Iasi, Romania, 2015.

F. M. Berisha, M. Sadiku, and N. Sh. Berisha. Using an Euler type transform for accelerating convergence of series. In *Book of abstracts*, page 30, 6th International Conference on Numerical Analysis (NumAn2014), Chania, Greece, 2014.

F. M. Berisha, M. Sadiku, and N. Sh. Berisha. On a method of accelerating convergence of series and its algorithm analysis. In *Book of abstracts*, page 152, 1st International Western Balkans Conference of Mathematical Sciences (IWBCMS), Elbasan, Albania, 2013.

F. M. Berisha and N. Sh. Berisha. Approximating classes of functions defined by a generalised modulus of smoothness. In *Proceeding book*, page 54, 1st International Eurasian Conference on Mathematics Sciences and Applications (IECMSA), Prishtinë, Kosovo, 2012.

F. M. Berisha and M. Sadiku. On an Euler-Abel type transform of trigonometric series. In *Proceedings*, pages 331–341, IV Congress of the Mathematicians of Republic of Macedonia, Struga, North Macedonia, 2010.

F. M. Berisha and M. Sadiku. On an Euler-Abel type transform of trigonometric series. In *Book of abstracts*, page 19, IV Congress of the Mathematicians of Republic of Macedonia, Struga, North Macedonia, 2008.

K. Hyseni and F. M. Berisha. Architecture and software design for simulation of specific processes. In *Book of abstracts*, page 71, The 2-nd Opatija Meeting on Computational Solutions, Opatija, Croatia, 2007.

F. M. Berisha and M. Q. Berisha. Applying an Euler type transformation for accelerating the convergence of trigonometric series. In *Book of abstracts*, page 5, Math/Chem/Comp/2002, International Course & Conference on the Interfaces among Mathematics, Chemistry and Computer Sciences, Dubrovnik, Croatia, 2002.

M. K. Potapov and F. M. Berisha. The theorem on approximation by algebraic polynomials of functions with given generalised modulus of smoothness. In *Trudy Mezhdunarodnoi konferencii "Funktsional'nye prostranstva; Differentsial'nye operatory; Problemy matematicheskogo obrazovaniya"*, volume 1, page 212, Moscow, Russia, 1998.

M. K. Potapov and F. M. Berisha. O sovpadenii nekotorykh klassov funktsii opredelyaemykh pri pomoshchi nesimmetricheskogo operatora obobshchennogo sdviga. In *Doklady i tezisy*, page 45, International Conference "Approximation Theory and Harmonic Analysis," Tulya, Russia, 1998.

M. Q. Berisha and F. M. Berisha. On monotone Fourier coefficients for some classes of functions. In *Abstracts of short communications*, page 86, International Congress on Mathematics, Zürich, Swiss, 1994.

F. M. Berisha. Approximating the classes of functions defined by operators of differentiation or operators of generalised translation by means of algebraic polynomials IV. *Kërkime ASHAK*, 15:25–32, 2007.

M. Q. Berisha and F. M. Berisha. Vlerësimi i koeficientëve Fourier të klasës së funksioneve të tipit $B(p, \theta, \alpha)$. *Kërkime ASHAK*, 15:7–23, 2007.

F. M. Berisha. Approximating the classes of functions defined by operators of differentiation or operators of generalised translation by means of algebraic polynomials III. *Kërkime ASHAK*, 14:15–24, 2006.

M. Q. Berisha and F. M. Berisha. Klasa e funksioneve të Nikolski-t dhe vlerësime në të. *Kërkime ASHAK*, 14:7–14, 2006.

Xh. Krasniqi and F. M. Berisha. Një përgjithësim i klasave të Lipschitz-it. *Kërkime ASHAK*, 13:124–130, 2005.

F. H. Berisha and F. M. Berisha. Klasa e funksioneve të Besov-it dhe disa vlerësime në të. *Kërkime ASHAK*, 13:107–114, 2005.

F. M. Berisha. Approximating the classes of functions defined by operators of differentiation or operators of generalised translation by means of algebraic polynomials II. *Kërkime ASHAK*, 13:101–105, 2005.

F. M. Berisha. Approximating the classes of functions defined by operators of differentiation or operators of generalised translation by means of algebraic polynomials I. *Kërkime ASHAK*, 12:21–32, 2004.

F. M. Berisha and Xh. Krasniqi. On lacunary Fourier coefficients of a function belonging to Nikol'ski-Besov class $N(r_1, r_2, \lambda, \theta, \vec{p}, \beta)$. *Kërkime ASHAK*, 11:153–161, 2003.

F. M. Berisha and Sh. Lohaj. Theorem of coincidence of classes for a generalised modulus of smoothness. *Kërkime ASHAK*, 10:27–35, 2002.

F. M. Berisha and M. Sadiku. On an Euler type transform operator. *Kërkime ASHAK*, 9:117–124, 2001.

M. Q. Berisha and F. M. Berisha. Jackson theorem for a generalised r-th modulus of smoothness. *Kërkime ASHAK*, 9:89–116, 2001.

F. M. Berisha and M. Q. Berisha. Jackson and its converse theorems for a generalised modulus of smoothness. *Kërkime ASHAK*, 8:79–96, 2000.

M. Q. Berisha and F. M. Berisha. Evaluation of constants related to estimates of Fourier coefficients of a function $f \in H(p, k, \phi)$. *Kërkime ASHAK*, 8:45–58, 2000.

F. M. Berisha and M. Q. Berisha. Disa veti të funksioneve nga klasët e Besov-it. *Kërkime ASHAK*, 7:15–22, 1999.

F. H. Berisha and F. M. Berisha. Teorema e drejtë në teorinë e përafrimeve për përgjithësimin e modulit të vazhdueshmërisë. *Kërkime ASHAK*, 6:129–135, 1998.

F. M. Berisha and M. Q. Berisha. Note on estimates of Fourier coefficients of a function belonging to the $f \in H(p, k, \phi)$ classes of Nikol'skiĭ. *Kërkime ASHAK*, 6:111–122, 1998.

M. Q. Berisha, F. H. Berisha, and F. M. Berisha. Some properties of Fourier coefficients of a function belonging to the Besov classes. *Bul. FSHMN*, (12):33–44, 1998.

M. Q. Berisha and F. M. Berisha. Some weighted l_p type inequalities about monotone sequences. *Bul. FSHMN*, (12):23–31, 1998.

F. M. Berisha. The evaluation of constants related to estimations of moduli of smoothness. *Bul. FSHMN*, (12):7–22, 1998.

F. M. Berisha. *Zbatimi i moduleve të përgjithësuara të lëmueshmërisë në përafrimin e funksioneve me polinome algjebrike në metrikën me peshë të Jacobi-t.* PhD thesis, Universiteti i Prishtinës, 1998.

F. H. Berisha and F. M. Berisha. Karakteristikat strukturale të funksioneve të dhëna me anë të përafrimit më të mirë me polinome algjebrike. *Kërkime ASHAK*, 5:53–65, 1997.

F. M. Berisha and M. Q. Berisha. Sharpening of estimates of modulus of smoothness. *Kërkime ASHAK*, 5:67–75, 1997.

F. M. Berisha. Zbatimi i përafrimit më të mirë dhe modulit të lëmueshmërisë në vlerësimin e koeficientëve Fourier të një funksioni çift. Master's thesis, Universiteti i Prishtinës, 1997.

F. M. Berisha. On some transforms of trigonometric series. *Bul. FSHMN*, (11):69–77, 1996.

F. M. Berisha and M. Q. Berisha. *Matematikë – për biznes dhe ekonomiks.* Universiteti Mbretëror "Iliria", Prishtinë, 2006.

F. H. Berisha, M. Q. Berisha, and F. M. Berisha. *Analizë me teori të gjasës për klasën e XII – gjimnazi matematikë-informatikë.* Libri shkollor, Prishtinë, 2005.

M. Q. Berisha, F. H. Berisha, and F. M. Berisha. *Matematika për klasën e XII – gjimnazi i shkencave natyrore, gjimnazi i përrgjithshëm.* Libri shkollor, Prishtinë, 2005.

M. Q. Berisha and F. M. Berisha. *Mosbarazitë dhe mosbarazimet: Doracak për nxënës të shkollave të mesme.* Libri shkollor, Prishtinë, 2005.

F. H. Berisha and F. M. Berisha. *Matematika për klasën e XI – gjimnazi i shkencave natyrore, gjimnazi i përrgjithshëm, gjimnazi i shkencave shoqërore.* Libri shkollor, Prishtinë, 2005.

M. Q. Berisha, F. M. Berisha, and F. H. Berisha. *Analizë me teori të gjasës për klasën e X – gjimnazi matematikë-informatikë.* Libri shkollor, Prishtinë, 2004.

E. Hamiti, F. M. Berisha, and F. H. Berisha. *Algjebër me gjeometri për klasën e X – gjimnazi matematikë-informatikë.* Libri shkollor, Prishtinë, 2004.

F. M Berisha and M. Kadriu. *Përmbledhje detyrash nga matematika për klasën III të shkollave të mesme.* Libri shkollor, Prishtinë, 1999.

M. Q. Berisha and F. M. Berisha. *Matematika për klasën IV të shkollave të mesme (përveç gjimnazit).* Libri shkollor, Prishtinë, 1998.

M. Q. Berisha, A. Zejnullahu, and F. M. Berisha. *Matematika për klasën I të shkollave të mesme (përveç gjimnazit)*. Enti i teksteve dhe i mjeteve mësimore të Kosovës, Prishtinë, 1997.