

## ÖZGEÇMİŞ VE ESERLER

### 1. KİŞİSEL BİLGİLER

Adı Soyadı : SADULLA JAFAROV

Akademik Unvanı: Prof. Dr

Doğum yeri : SAATLI/ AZERBAYCAN

Doğum Tarihi: : 28.11.1957

Uyruğu : T.C.

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Posta Adresi : Muş Alparslan Üniversitesi, Eğitim Fakültesi Fen ve Matematik Eğitimi Bölümü, Diyarbakır Yolu 7. Km 49250, Muş

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### *Eğitim ve Öğretim:*

### **Öğrenim Durumu:**

Derece	Bölüm/ Program	Üniversite	Yıl
Lisans	Mekanik ve Matematik Fakültesi, Matematikçi, Matematik Öğretmeni ihtisası (pekiyi derecede)	Azerbaycan Devlet Üniversitesi	1983
Y. Lisans	Mekanik ve Matematik Fakültesi, Matematik (Analiz ve Fonksiyonlar Teorisi Anabilim Dalı)	Azerbaycan Devlet Üniversitesi	1983
Doktora	Matematik ( Analiz ve Fonksiyonlar Teorisi Anabilim Dalı)	Azerbaycan Bilimler Akademisi , Matematik ve Mekanik Enstitüsü	1988

**Yüksek Lisans Tez Başlığı ve Danışmanı:**  $L_p, p \geq 1$  uzaylarında fonksiyonların cebirsel polinomlarla yaklaşımı, Danışman Prof. Dr. Camal Mamedhanov

**Doktora Tez Başlığı ve Danışmanı:** *Kompleks düzlemde kontinuumlarda fonksiyon sınıflarının approximatesiya karakterizasyonu*, Danışmanlar: Akademik, İbrahim İbrahimov, Prof. Dr. Camal Mamedhanov

### **Mesleki ve Akademik Deneyim:**

Görevler ve Görev unvanı	Görev Yeri	Yıl
Teknisyen	Azerbaycan Cumhuriyeti, Sabirabad şehri, 2 numaralı fabrika	08.11.1975-

		29.04.1976
Er	Sovyet Sosyalist Cumhuriyetler Birliği (Ukrayna Cumhuriyeti, Khmel'nitski Bölgesi, Dunaevtski şehri (Askerlik hizmeti)	03.05.1976-05.05.1978
Matematik Öğretmeni	Azerbaycan Cumhuriyeti, Saatlı Bölgesi, Beylik Köy Orta Okulu	15.08.1983 02.01.1984
Baş Laborant	Azerbaycan Bilimler Akademisi, Matematik ve Mekanik Enstitüsü	24.03.1987-24.12.1990
Baş Laborant	Azerbaycan Petrol Akademisi, Uygulamalı Matematik Bölümü,	25.12.1990-10.12.1991,
Asistan	Azerbaycan Petrol Akademisi, Uygulamalı Matematik Bölümü	10.12.1991-06.01.1995
Doç. Dr.	Azerbaycan Petrol Akademisi, Uygulamalı Matematik Bölümü	06.01.1995-01.11.1999
Doç. Dr	Türkiye Cumhuriyeti, Pamukkale Üniversitesi , Fen- Edebiyat Fakültesi, Matematik Bölümü, Yabancı uyruklu öğretim üyesi statüsünde (Analiz ve Fonksiyonlar Teorisi Anabilim Dalı) (Türkiye’de Doçentlik eşdeğeri, Üniversitelerarası kurul onayı, 18.09. 2008)	01.11.1999-31.12.2008
Prof. Dr.	Türkiye Cumhuriyeti, Pamukkale Üniversitesi , Fen- Edebiyat Fakültesi, Matematik Bölümü, Yabancı uyruklu öğretim üyesi statüsünde (Analiz ve Fonksiyonlar Teorisi Anabilim Dalı)	01.01.2009-31.01.2015
Prof. Dr.	Türkiye Cumhuriyeti, Pamukkale Üniversitesi, Ders saati ücreti ile görevlendirme (31. Madde)	16.02.2015-31.05.2015
Prof. Dr.	Türkiye Cumhuriyeti, Pamukkale Üniversitesi, Ders saati ücreti ile görevlendirme (31. Madde)	28.09.2015-08.01.2016
Prof. Dr.	Türkiye Cumhuriyeti, Pamukkale Üniversitesi, Ders saati ücreti ile görevlendirme (31. Madde)	29.02.2016-03.06.2016

### DİPLOMALAR ve DENKLİK DURUMLARI

Diploma	Alınan Kurum	Alındığı Tarih	Denklik Veren Kurum	Denklik Belgesi Sayı ve Tarih
Lise	Azerbaycan, Saatlı, 33 Numaralı Demir yol lisesi	1975	T.C. Milli Eğitim Bakanlığı Talim ve Terbiye Kurulu Başkanlığı; Denizli Milli Eğitim müdürlüğü	B.08.0.TTK.0.01.02.05.358/Azerbaycan-02653 sayılı yazısı (21 mart 2006); B.08.4.MEM.4.20.00.02-1-502/9610 (31 mart 2006)
Lisans	Azerbaycan Devlet Üniversitesi	1983	Yükseköğretim Kurulu Başkanlığı	B.30.0.DEN.0.00.00.01-11043 8 Aralık 2006
Doktora	Azerbaycan Bilimler Akademisi Matematik ve Mekanik	1988	Yükseköğretim Kurulu Başkanlığı	B.31.0.ÜAK.03/4086 23 Mayıs 2008

	Enstitüsü			
Diploma	Alınan Kurum	Alındığı Tarih	Denklik Veren Kurum	Denklik Belgesi Sayı ve Tarih
Doçentlik	Azerbaycan Petrol Akademisi	1996	Yükseköğretim Kurulu Başkanlığı, Üniversitelerarası kurul	B.31.0.ÜAK.01/6525 18 Eylül 2008
Profesörlük Yabancı Uyruklu Statüsünde	T. C. Pamukkale Üniversitesi, Yönetim Kurulu Kararı	Toplantı Tarihi: 27 Eylül 2007, Toplantı Sayısı: 09; Toplantı Saati: 17.30		

### **İdari Görevler:**

**Yıl**

- 1.Uygulamalı Matematik Bölümü, Bölüm Başkan Yardımcısı,  
Azerbaycan Petrol Akademisi 1995-1998
- 2.Muş Alparslan Üniversitesi Yönetim Kurulu Üyesi 2016-
- 3.Muş Alparslan Üniversitesi Senato Üyesi 2016-
- 4.Muş Alparslan Üniversitesi, İletişim Fakültesi, Dekan.V. 03.08.2016-
- 5.Muş Alparslan Üniversitesi, İktisadi ve İdari Bilimleri Fakültesi Yönetim Kurulu Üyesi 2016-
- 6.Muş Alparslan Üniversitesi, Mühendislik ve Mimarlık Fakültesi Yönetim Kurulu Üyesi 2016-
- 7.Muş Alparslan Üniversitesi Eğitim Fakültesi Yönetim Kurulu Üyesi 05.08.2016-
- 8.Muş Alparslan Üniversitesi Fen- Edebiyat Fakültesi Yönetim Kurulu Üyesi 04.08.2016-
9. Muş Alparslan Üniversitesi, İslami İlimler Fakültesi Yönetim Kurulu Üyesi 2016-
- 10.Muş Alparslan Üniversitesi, Sağlık Yüksekokulu Yönetim Kurulu Üyesi 2016-

**Anabilim Dalı:** Analiz ve Fonksiyonlar Teorisi

### **Uzmanlık Alanları**

1. Kompleks Fonksiyonlar Teorisi
2. Fonksiyonların Yaklaşım Teorisi

### **ESERLER:**

## 1. Ulusal ve Uluslararası hakemli dergilerde yayımlanan makaleler:

1. **Dzhafarov-Jafarov S. Z**, Constructive characteristics of continuous functions on quasiconformal curves. Moscow Dep. In VINITI 01.04.86, № 2238 B. 18 p. (in Russian).
2. **Dzhafarov- Jafarov S.Z., Israfilov D.M.** Direct theorems of approximation theory by rational functions on closed Jordan curves. Moscow Dep. In VINITI 10.11.86, № 7642 - Bb 86, 13 p. (in Russian).
3. **Dzhafarov- Jafarov S. Z**, Approximational characteristics of some class functions on continuums of complex plane. Moscow Dep. In VINITI, 1987 , № 1429 - B87, 15 p. (in Russian).
4. **Dzhafarov-Jafarov S. Z**, Direct and inverse theorems of approximation theory on quasiconformal curves, Izv. AN Azerb.SSR, Ser.phys.math.nauk,1987, № 4, 7 p. (in Russian).
5. **Dzhafarov-Jafarov S. Z**, Constructive characteristics of some class of functions on closed curves, In Theory of functions and approximations, 1987, 48-90, (in Russian).
6. **Dzhafarov- Jafarov S. Z**, Approximational characteristics of some class of functions on continuums of complex plane, Author's review for thesis of candidate of phys.math.sciences. 01.01.01 5.12.88, Baku, 1988, 15 p. (in Russian).
7. **Dzhafarov-Jafarov S. Z**, Approximational characteristics of some class of functions on continuums of complex plane, Thesis for candidate dissertation of phys.math.sciences. 01.01.01 5.12.88, Baku,1988, 96p. (in Russian).
8. **Dzhafarov-Jafarov S. Z**, The local theorem of the best approximation on the quasiconformal curves, Moscow Dep. in VINITI 8.12.92, № 3470-B92, 18p. (in Russian).
9. **Dzhafarov-Jafarov S. Z**, Constructive characterization of the curves class on the complex plane, Moscow Dep. in VINITI 8.12.92, № 3469-B 92, 10 p. (in Russian).
10. **Dzhafarov-Jafarov S. Z**, The local polynomial approximation on the large domain, Moscow Dep. in VINITI 9.04.93, № 903 - B93, 15 p. (in Russian).
11. **Dzhafarov-Jafarov S. Z**, The regular approximation of functions, which is defined on the curve in the complex plane, Moscow Dep. in VINITI 18.04.94, № 910-B94 p.17, (in Russian).
12. **Dzhafarov-Jafarov S. Z**, Constructive characterization of functions which is defined in local condition of the closed Jordan curves, Moscow Dep. in VINITI 18.04.94, № 911-B 94 p. 17, (in Russian).
13. **Dzhafarov-Jafarov S. Z**, Constructive characteristic of functions classes, defining of local conditions on the straighten arcs. Published in Azerbaijan Institute of the Technical Information 24.10.95 № 2296, 8 p. (in Russian).

14. **Dzhafarov-Jafarov S. Z**, ( in common with Yu.K.Osmanov, A.M.Babayev ) On one numerical method of optimal control problems solution, Scientific notes of Azerbaijan State Oil Academy, 1996, № 4, 200-205 (in Russian).

**Doçentlikten sonara yayımlanan, kabul edilen ve incelenen makaleler:**

15. **Jafarov S. Z**, Mamedkhanov Dj.I., On constructive characteristic of functions class on more common curves, The Operator Spectral Theory and its Applications., 1997, 103-108.
16. **Dzhafarov-Jafarov S. Z**, Constructive characteristic of functions class, which is defined in terms of local homogenous module on complex plane continuums, Scientific notes of Azerbaijan State Oil Academy, 1998, № 1, 168-170 (in Russian).
17. **Jafarov S. Z**, Approximational characteristics  $H_{\varphi,\Gamma}^{Z_0}$  functions classes on quasiconformal arcs . Azerbaijan Academy of Sciences, Proceedings of Institute of Mathematics and Mechanics of Azerbaijan AS. Volume X(XVIII),Baku, « ELM », 1999, 74-77 .
18. **Jafarov S. Z**, Lokalized approximation of functions with the analytical complex splines in domains with quasi-conform boundary, Azerbaijan Academy of sciences. Proceedings of Institute of Mathematics and Mechanics of Azerbaijan AS, volume XII (XX), BAKU, “ELM”, 2000, 67-73 (in Russian).
19. M.Ali SARIGÖL, **Jafarov S. Z**, Approximation classes of functions on R and H type continuums, Transactions of AS of Azerbaijan, series of physical-technical and mathematical sciences, volume XX, № 4, BAKU, “ELM”, 2000, 192-201. (in Russian).
20. **Jafarov S. Z**, Şahin CERAN, On local approximation of functions by harmonic polynomials, Transactions of AS of Azerbaijan, series of physical-technical and mathematical sciences, volume XXII, № 1, BAKU, “ELM”, 2002, 129-138.
21. **Jafarov S. Z**, On Approximation of functions on closed curves with zero angles, Transactions of NAS of Azerbaijan series of physical-technical and matematical sciences, volume XXIV, № 4, Baku, “Elm”, 2004, 61-68.
22. **Jafarov S. Z**, On Approximation problem of functions on closed curves which belong to Riesz classes, University of 100 th Year, The Journal of Institute Science, XVI. National Mathematics Symposium, Van, Turkey, The special issue, 1-5, January (2005), p. 13 – 24. (in Turkish).
23. **Jafarov S. Z**, S. M. Nikolskii type inequality and estimation between the best approximations of a functions in norms of different spaces, Math. Balkanica (N.S) **21** (2007), no.1-2, 173-182.

**Doçentlik denklüğinden sonara yayımlanan, kabul edilen ve incelenen makaleler**

24. **Jafarov S. Z**, Approximations of Harmonic Functions Classes with Singularities on Quasiconformal Curves, Taiwanise Journal of Mathematics, **12** (2008) no.3, 829-840, (SCI).

25. **Jafarov S. Z**, Approximation of functions by Faber-Laurent rational functions on closed quasiconformal curves, Transactions of NAS of Azerbaijan, series of physical-technical and mathematical sciences, volume XXVIII, № 4, BAKU, “ELM” , 2008, p. 97-102.
26. **Jafarov S.Z**, Approximation of continuous functions on V.K.Dzjadyk curves, Studia Universitatis Babes-Bolyai Mathematica , Volume LIV, number 1 (2009), 107-117.
27. **Jafarov S.Z**, On moduli of smoothness in Orlicz classes, Proceedings of Institute of Mathematics and Mechanics of Azerbaijan AS, BAKU, “ELM”, **33** (51) 2010, 95-100.
28. **Jafarov S. Z**, Approximation by polynomials and rational functions in Orlicz spaces, Journal of Computational Analysis and Applications,(JoCAAA), **13** (2011), no. 5, 953-962, **(SCI-EXP)**.
29. **Jafarov S. Z**, Approximation of functions by rational functions on closed curves of the complex plane, The Arabian Journal for Science and Engineering-Mathematics, **36** (2011), 1529-1534, **(SCI-EXP)**
30. **Jafarov S. Z**, Approximation by Rational Functions in Smirnov-Orlicz Classes, Journal of Mathematical Analysis and Applications, **379** (2011), 870-877, **(SCI)**.
31. **Jafarov S. Z**, On approximation in weighted Smirnov – Orlicz classes, Complex Variables and Elliptic Equations **57** (2012), no. 5, 567-577,**(SCI-EXP)**.
32. **Jafarov S. Z**, The inverse theorem of approximation of the function in Smirnov- Orlicz classes, Mathematical Inequalities and Applications, **12** (2012), no.4, 835-844, **(SCI-EXP)**.
33. **Jafarov S. Z**, Ul'yanov –type inequalities for moduli of smoothness, Applied Mathematics E- Notes, **12** (2012), 221-227.,
34. **Jafarov S. Z**, (in common with Mamedkhanov J. I), On approximation by trigonometric polynomials in Orlicz spaces, Georgian Mathematical Journal, **9**, (2012), no. 4, 687-695,**(SCI-EXP)**.
35. **Jafarov S.Z**, Approximation of conjugate functions by trigonometric polynomials in weighted Orlicz spaces, Journal of Mathematical Inequalities, **7** 2 (2013), 271-281, **(SCI-EXP)**.
36. **Jafarov S. Z**, Approximation by Fejér sums of Fourier trigonometric series in weighted Orlicz space, Hacettepe Journal of Mathematics and Statistics, **42** 3 (2013), 259-268, **(SCI-EXP)**.
37. **Jafarov S. Z**, On a constructive characterization of classes of harmonic functions, New Zealand Journal of Mathematics, **43** (2013), 31-36.
38. **Jafarov S. Z**, Approximation by linear summability means in Orlicz spaces, Novisad J. Math. Vol. 44, No. 2, 2014, 161-172.

39. **Jafarov S. Z**, Approximation by trigonometric polynomials in rearrangement invariant quasi Banach function spaces, *Mediterr. J. Math*, 12 (2015), 37-50, **(SCI-EXP)**.
40. **Jafarov S. Z**, Approximation of functions by  $p$ -Faber – Laurent rational functions, *Complex Variables and Elliptic Equations*, 60 (2015), no. 3, 416-428, **(SCI-EXP)**.
41. **Jafarov S. Z**, Linear methods for summing Fourier series and approximation in weighted Lebesgue spaces with variable exponents, *Ukrainian Mathematical Journal*, vol. 66, No. 10, March, 2015, 1509-1518, **(SCI-EXP)**.
42. **Jafarov S. Z**, Approximation in weighted rearrangement invariant Smirnov spaces, *Tbilisi Mathematical Journal*, 9 (1) (2016), 9-21.
43. **Jafarov S. Z**, Approximation of functions by de La Vallée- Poussin sums in weighted Orlicz spaces, *Arabian Journal of Mathematics*, 5 (3) (2016), 125-137.
44. **Jafarov S. Z**, Approximation by trigonometric polynomials in subspace of variable exponent grand Lebesgue spaces, *Global Journal of Mathematics*, Vol 8, No.2, 2016, 836-843.
45. **Jafarov S. Z**. Approximation of periodic functions by Zygmund means in Orlicz spaces, *Journal of Classical Analysis*, 9 (2016), 1, 43-52.
46. **Jafarov S. Z**, On moduli of smoothness and approximation by trigonometric polynomials in weighted Lorentz spaces, *Hacettepe Journal of Mathematics and Statistics*, volume 45 (6) (2016), 1675-1684 **(SCI-EXP)**
47. **Jafarov S. Z**, Approximation by means of Fourier trigonometric series in weighted Lebesgue spaces, *Sarajevo Journal of Mathematics*, (accepted for publication).
48. **Jafarov S. Z**, Approximation by linear means of Fourier series in weighted Orlicz spaces, *Proc. Inst. Math. Mech. Natl. Acad. of Sci. Azerb.* (accepted for publication).
49. **Jafarov S. Z**, Derivatives of a polynomial of best approximation and modulus of smoothness in generalized Lebesgue spaces, *Demonstratio Mathematica* (under review).
51. **Jafarov S.Z**, Approximation of the functions in weighted Lebesgue spaces with variabl exponents, *Complex Variables and Elliptic Equations*, (under review).
51. **Jafarov S.Z.**, Approximation of functions by trigonometric polynomials in variable exponent Lebesgue spaces, *Romanian Journal of Mathematics and Computer Sciences*, (under review).
52. **Jafarov S.Z.**, Trigonometric approximation in weighted generaized grand Lebesgue spaces, *Applied Mathematics E-Notes* (under review).

## **Bildiriler:**

### **Ulusal ve Uluslararası Bilimsel toplantılarda sunulan ve bildiri kitabında (Proceedings) tam metin olarak yayımlanan bildiriler:**

- 1. Dzhafarov-Jafarov S. Z,** Approximational description of continuous functions in continuums of complex plane, In Materials of VII Republican conference of young scientists on mathematics and mechanics, Baku, Elm,1987, p. 133-135 (in Russian).
- 2. Dzhafarov-Jafarov S. Z,** Direct and inverse theorems of approximation theory on quasiconformal curves, In Materials of VII Republican conference of young scientists on mathematics and mechanics devoted to XXVII Party of CPSU, Baku, Elm,1987, p.130-132 (in Russian).
- 3. Dzhafarov-Jafarov S. Z,** Direct local approximation theorem on quasiconformal curves, In Materials of VII Republican conference of young scientists on mathematics and mechanics. Baku,Elm, p. 95-97 (in Russian).
- 4. Dzhafarov-Jafarov S. Z,** Israfilov D.M, Approximation on curves by means of rational functions. In Materials of VIII Republican conference of young scientists on mathematics and mechanics. Baku,Elm,1988, p. 97-99 (in Russian).
- 5. Dzhafarov-Jafarov S. Z,** Direct problem on approximation theory on continuum of complex plane. In Materials of IX Republican conference of young scientists on mathematics and mechanics, Baku, Elm,1989, p. 127-129 (in Russian).
- 6. Dzhafarov-Jafarov S. Z ,** Abdullayev F.G, Bernstein - Nikolsky type inequality in domains with quasiconformal boundary, In Materials of IX Republican conference on mathematics and mechanics, Baku,Elm,1989, p. 8-9 (in Russian).
- 7. Dzhafarov-Jafarov S. Z,** On approximation of functions, which are continued on Jordan curves, In All-Union school-conference « Modern problem of function theory». Abstracts of papers, Baku, 1989, p.40 (in Russian).
- 8. Dzhafarov-Jafarov S. Z,** Approximation problems in a uniform metrics on rectifiable curves, In Materials of X Republican conference of young scientists on mathematics and mechanics. Baku, Elm, May, 28-31, 1990 (in Russian).
- 9. Dzhafarov-Jafarov S. Z,** Polynomial approximation on the complex plane continuum. Proceedings of XI Republic conference of young scientists on the mathematics and mechanics. Baku,1994, First part. p. 97-99 (in Russian).
- 10. Dzhafarov-Jafarov S. Z,** Mamedov S.M, Direct local problem of approximation theory on the straighten curves of complex plane, Theses of First student scientific conference reports on the basis of specialized faculty for invalids. Baku,1995, p.12 (in Russian).



**Doçentlikten sora yayımlanan bildiriler:**

11. **Dzhafarov-Jafarov S. Z**, The questions of the best rational approximation of the complex plane. The theses of the scientific conference devoted of prof. A.Habibzade 80 year jubilee, 1996, p.125 (in Russian).
12. **Dzhafarov-Jafarov S. Z**, The direct local theorem of approximation of  $H^*$ -species on continuums, A conference devoted to the 75 th anniversary of the Nakheivan Autonomous Republic, Faculty of Mechanics and Mathematics, Baku State University, 1999, p. 20.
13. **Jafarov S. Z**, About the local class of functions approximation on quasiconformal curves by rational functions, Mathematics Symposium on the honor of Eyup Sabri TÜRKER, October 19-20, 2000 Sakarya University, Adapazarı, p. 63-67.
14. **Jafarov S. Z**, Approximation problem on the complex plane curves, XV. National Matematics symposium 4-7 September 2002, Mersin, Turkey, p.54.
15. **Jafarov S. Z**, Approximation characteristic of the class  $H^\omega(\Gamma)$  on the curves of the complex plane, XV. National Mathematics Symposium 4-7 September 2002, Mersin, Turkey, p.55.
16. **Jafarov S. Z**, Approximation problem of functions on closed curves , which belong to Riesz classes, XVI. National Mathematics Symposium, 10-12 September 2003, Van, Turkey, p.136.
17. **Jafarov S. Z**, On approximation of harmonic functions, International Workshop on Analysis and its Applications, September 07-11, 2004, Mersin, Turkey, p.33.
18. **Jafarov S. Z**, On Approximation of functions by Faber Laurent rational functions on closed curves . Abstract of International Conference on mathematics and mechanics devoted to the 50-th anniversary from birthday of member of the correspondent of NASA professor I. T. Mamedov, 2005 , p.100.
19. **Jafarov S. Z**, Kontinuumlarda Tekillige Sahip Harmonik Fonksiyonlar Sınıfının Konstruktiv Tasviri, XIX Ulusal Matematik Sempozyumu, 22-25 Ağustos 2006, Kütahya, Türkiye Bildiri özeti , s.8.
20. **Jafarov S. Z**, On Approximation of Functions by Harmonic Rational Functions. II.Türk Dünyası Matematik Sempozyumu, 4-7 Temmuz 2007, Sakarya, Turkey, s.51.

**Doçentlik denkliğinden sonra yayımlanan bildiriler:**

21. **Jafarov S. Z**, Rational Approximation of Continuous Functions on Closed Curves, III.Ankara Matematik Günleri Sempozyumu, 22-23 mayıs 2008, Ankara, Turkey, s.52.
22. **Jafarov S. Z**, Nikol'skii- type inequalities on continua of the complex plane, XXII. Ulusal Matmatik Sempozyumu, 31ağustos-3eylul 2009, Nesin Matematik Köyü, Şirince, İzmir, s.51.

23. **Jafarov S. Z**, Kompleks düzlemde yarı-düzgün eğrilerde bazı fonksiyon sınıflarının yapısal tasviri, V. Ankara Matematik Günleri Sempozyumu, 3-4 Haziran 2010, Ankara, Turkey, s.155.
24. **Jafarov S. Z**, On a constructive characteristic of classes of harmonic functions, IV Congress of the Turkic World Mathematical Society, 1-3 July 2011, Baku, Azerbaijan.
25. **Jafarov S. Z**, Ul'yanov- type inequalities for moduli of smoothness, Functions theory and problems of harmonic analysis PROCEEDINGS of the International conference devoted to the 100-th anniversary of academician I.I. Ibrahimov, 28 February- 01 March 2012, p. 99-100.
26. **Jafarov S. Z**, Moduli of smoothness of functions and their derivatives in Orlicz spaces, “ On aktual problems mathematics and mechanics”, PROCEEDINGS of the International conference devoted to the 55-th anniversary of the Institute of Mathematics and Mechanics NASA, May 15-16, 2014, Baku, Azerbaijan, p. 164-166.
27. **Jafarov S. Z**, On approximation of functions in weighted generalized grand Lebesgue spaces, Teoretical and Practical Problems of Mathematics, International Scientific Conference, may 26-27, 2017, Azerbaijan, Sumgayit, pp.41-42.

### 3. Kitaplar

1. **Jafarov S. Z**, ( in common with Nasibov E. N, Kerimova S. R, Halilov M. S) Introduction in Turbo Pascal programming system. Methodical work. Baku: Publishing house of Azerbaijan State Oil Academy, 1995, 52 p. (in Azeri Turkish), (Metodical aids).
2. **Jafarov S. Z**, ( in common with Musayev B. I, Manafli O. M, Hadjiev F. H, Hasanov R. G.) Analytical geometry on the space. Methodical work. Baku, Publishing house of Azerbaijan State Oil Academy, 1997, 56 p. ( in Azeri Turkish), ( Metodical aids ).
3. M. Ali Sarıgöl, **Jafarov S. Z**, Analiz -I, Bursa. Ekin yayınevi, 2007, 370 s. ISBN:978-9944-141-07-9, (Turkçe).
4. M. Ali Sarıgöl, **Jafarov S. Z**, Cözümlü Analiz-1, Ankara , Bizim Büro Basım Evi, 2008, 423 s. ISBN:978-9944-0264-0-6 (Turkçe).

### 4. Atıflar

1. Hasan Yurt, Ali Guven, On rational approximation of functions in rearrangement invariant spaces, Journal of Classical Analysis, V.3, (2013), No. 1, 69-83 (1 atıf-28 nolu makale).
2. Daniyal Israfilov and Ahmet Testici, Improved inverse theorems in weighted Smirnov classes, Proceedings of the Institute of Mathematics and Mechanics National Academy of Sciences of Azerbaijan, V. 40, (2014), No.1, 44-54. (2 atıf- 31, 32 nolu makaleler)
3. Hasan Yurt, Ali Guven, Approximation by Faber-Laurent rational functions on doubly connected domains, New Zealand Journal of Mathematics, 44 (2014), 113-124. (3 atıf-28, 30, 32 nolu makaleler).

4. Daniyal M. Israfilov, Ahmet Testici, Approximation in weighted Smirnov classes, Complex Variables and Elliptic Equations, V. 60, (2015), No. 1, 45-58 (2 atıf-31, 32 nolu makaleler)
5. R. Akgün, Realization and characterization of modulus of smoothness in weighted Lebesgue spaces, St. Petersburg Math. J. 26 (2015), 741-756 ( 1 atıf -27 nolu makale)
6. R. Akgün, H. Koç, Simultaneous approximation of functions in Orlicz spaces with Muckenhoupt weights, Complex Variables and Elliptic Equations, V. 61, (2016), No. 8, 1107-1115 (6 atıf-27, 31, 34, 35, 36, 38 nolu makaleler)
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8. D. M. Israfilov, A. Testeci, Approximation by Faber- Laurent rational functions in Lebesgue spaces with variable exponent, Indagationes Mathematicae 27 (2016), 914-922.(1 atıf-30 nolu makale).
9. Guixiang Wang, Jing Li, Approximations of fuzzy numbers by step type fuzzy numbers, Fuzzy Sets and Systems 310 (2017), 47-59. (1 atıf- 39 nolu makale)
10. Ahmet Kinj, Mohammad Ali, Suliman Mahmoud, Approximation by rational functions in Smirnov classes with variable exponent, Arabian Journal of Mathematics.....(2 atıf-30, 40 nolu makaleler)
11. D. M. Israfilov, E. Yirtici, On some properties of convolutions in variable exponent Lebesgue spaces, Complex Anal. Operator Theory, 2017 (1 atıf - 41 nolu makale)

## 5. Kazandığı Ödüller (TÜBİTAK'ın Bilimsel Yayınları Teşvik Ödülü):

### Alanında ulusal ödülleri:

1. **Jafarov S. Z**, Approximations of Harmonic Functions Classes with Singularities on Quasiconformal Curves, Taiwanise Journal of Mathematics,12 (2008) no.3, 829-840. **(SCI)**.
2. **Jafarov S. Z**, Approximation by polynomials and rational functions in Orlicz spaces, Journal of Computational Analysis and Applications,(JooCAAA), 13 (2011), no. 5, 953-962. **(SCI-EXP)**.
3. **Jafarov S. Z**, Approximation by Rational Functions in Smirnov-Orlicz Classes, Journal of Mathematical Analysis and Applications, 379 (2011), 870-877. **(SCI)**.
4. **Jafarov S. Z**, The inverse theorem of approximation of the function in Smirnov- Orlicz classes, Mathematical Inequalities and Applications,12 (2012), no.4, 835-844. **(SCI-EXP)**.
5. **Jafarov S.Z**, Approximation of conjugate functions by trigonometric polynomials in weighted Orlicz spaces, Journal of Mathematical Inequalities, 7 (2013), no. 2, 271-281. **(SCI-EXP)**

6. **Jafarov S. Z**, Approximation by Fejér sums of Fourier trigonometric series in weighted Orlicz space, Hacettepe Journal of Mathematics and Statistics, 42 (2013), no. 3, 259-268. (SCI-EXP).
7. **Jafarov S. Z**, Approximation by trigonometric polynomials in rearrangement invariant quasi Banach function spaces, Mediterranean Journal of Mathematics 12 (2015), 37-50. (SCI-EXP).
8. **Jafarov S.Z**, Approximation of functions by  $p$  - Faber- Laurent rational functions, Complex Variables and Elliptic Equations, 60 (2015), no. 3, 416-428 (SCI-EXP).
9. **Jafarov S. Z**, Linear methods for summing Fourier series and approximation in weighted Lebesgue spaces with variable exponents, Ukrainian Mathematical Journal, vol. 66, No. 10, March, 2015, 1509-1518, (SCI-EXP).

#### 6. Ulusal ve Uluslararası Dergilerde Yapılan Hakimlikler:

	Yıl
1. Complex Variables and Elliptic Equations :	2011
2. Complex Variables and Elliptic Equations :	2012
3. Journal of Inequalities and Applications	2013
4. Journal of Classical Analysis	2013
5. Proceedings of the Institute of Mathematics and Mechanics National Academy of Sciences of Azerbaijan	2014
6. Electronic Journal of Mathematical Analysis and Applications (EJMAA)	2015
7. Complex Variables and Elliptic Equations	2015
8. Numerical Functional Analysis and Optimization	2015
9. Journal of Approximation Theory	2016
10. Hacettepe Journal of Mathematics and Statistics	2017
11. TRANSACTIONS issue mathematics and mechanics Series of physical-technical and mathematics science Azerbaijan National Academy of Science	2017
12. PROCEEDINGS of Institute of Mathematics and Mechanics National Academy of Science of Azerbaijan	2017

#### 7. Eğitim ve Öğretim Etkinlikleri

##### Eğitim öğretim yıllarında verdiği dersler :

##### 1. Lisans:

- a) Soyut Matematik I, II
- b) Analiz I, II, III, IV
- c) Reel Analiz I, II
- d) Kompleks Fonksiyonlar Teorisi I, II
- e) Fonksiyonel Analiz I, II
- f) Diferansiyel Denklemler I, II
- g) Kısmi Türevli Diferansiyel Denklemler I, II
- h) Numerik Analiz I, II
- ı) Optimizasyon metodları I, II
- j) Genel Matematik I, II

- k) Bitirme Ödevi I, II
- l)
- m)

**2. Lisansüstü :**

- a) Matematikte Özel Konular
- b) Fonksiyonların Yaklaşım Teorisi I, II