KERIMOV NAZIM BAKHISH

Place of Birth: Azerbaijan Republic, Jalilabad City

Birthdate: 16.12.1958

Higher Education Institution: Azerbaijan State University (1975-1980).

Academic Degree: Doctor of Science (1996).

Academic Affiliation: Professor (1998).

Work Place: Department of Mathematics, Khazar University, Mahsati str. 41,

AZ1096, Baku, Azerbaijan

Position: Professor

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1. PhD dissertation:

Specialty code and name: 01.01.02 – Differential Equations.

Topic Title: Some aspects of the spectral theory of non-self-adjoint differential operators.

Place and year of defense: Moscow State University, 1987

2. Doctoral dissertation:

Specialty code and name: 01.01.02 – Differential Equations.

Dissertation Title: Basis and Uniform Minimality of Systems of Root Functions for Ordinary Differential Operators.

Place and year of defense: Moscow State University, 1996

3. Scientific-research and educational institutions:

3.1. Azerbaijan National Academy of Sciences, Institute of Mathematics and Mechanics (Chief Laboratory Engineer in Special Design Bureau: 1980-1981; Senior Researcher in the Functional Analysis: 1998-2006).

3.2. Moscow State University, Faculty of Computational Mathematics and Cybernetics (researcher: 1981-1982; Postgraduate student: 1982-1985; doctoral student: 1995-1996).

3.3. Baku State University, Faculty of Mechanics and Mathematics, Department of Mathematical Analysis (Senior Laboratory Assistant, Lecturer, Senior Lecturer: 1986-1993; Associate Professor: 1993-1998; Professor: 1998-2006; Head of Department: 2002-2005).

3.4. Mersin (Republic of Turkey) University, Faculty of Arts and Science, Mathematics Department (Professor: 2006-2016).

3.5. Khazar University, Faculty of Mathematics (Professor: 2016 - ongoing).

4. Dissertation Supervision:

Master Students - 11 (Azerbaijan- 9, Turkey -2).

PhD Students - 5 (Azerbaijan-3, Turkey -2).

PostDoc Researcher - 1 (Azerbaijan).

5. Participation in scientific and educational institutions on the country and international level:

5.1. Member and scientific secretary of the Expert Council on Mathematics within the Higher Attestation Committee under the President of the Republic of Azerbaijan (1998- 2006).

5.2. Member of the Jury of the International Mathematical Olympiad Committee and the head of the national team at these Olympics (1999 - Romania, Bucharest; 2000- South Korea, Seoul; 2001- USA, Washington; 2002-UK, Glasgow; 2003-Japan, Tokyo; 2004 - Greece, Athens; 2005 - Mexico, Merida; 2006- Slovenia, Ljubljana).

5.3. Head of the mathematics department of the Azerbaijan Republic Ministry of Education's Board of Science Olympiads (1998- 2006).

5.4. Member of the Scientific and Methodological Council on Mathematics of the Ministry of Education of the Republic of Azerbaijan (1997-2006).

5.5. Member of Scientific Council of the Baku State University (2002 -2006).

5.6. Member of the Scientific and Research Projects Assessment Council of Mersin University (Turkey) (2007-2014).

5.7. Member of Scientific Committee of the Faculty of Arts and Science of Mersin University (Turkey) (2007-2012).

5.8. Member of Mathematics Olympiad Committee of the Mersin University (Turkey) (2007-2015).

5.9. Member of the editorial board of "Proceeding of İnstitute of Mathematıcs and Mechanics (NAS Azerbaijan)" (1998–2006, 2013- ongoing).

5.10. Member of the editorial board of "Mathematics" (International Eco Energy Academy, Baku) (2005–2006).

5.11. Member of the editorial board of "News of Baku University" (physio –mathematical sciences series) (2005- 2006).

5.12. Member of the editorial board of "Trans. NAS Azerbaijan" (1998–2006, 2013- ongoing).

6. Total number of scientific articles - 59, Number of scientific articles published abroad - 45, Number of articles published in international journals referenced and indexed – 59.

7. Scientific Articles.

7.1. Published within International SCI and SCI-expanded categories:

1. Z. S. Aliyev, N. B. Kerimov, V. A. Mekhrabov. "On the Convergence of Expansions in Eigenfunctions of a Boundary Value Problem with a Spectral Parameter in Boundary Conditions, I." Differential Equations. 56(2), 2020, 147-161.

2. Z. S. Aliyev, N. B. Kerimov, V. A. Mekhrabov. "On the Convergence of Expansions in Eigenfunctions of a Boundary Value Problem with a Spectral Parameter in Boundary Conditions, II." Differential Equations. 56(3), 2020, 291-302.

3. K.F. Abdullayeva, Z.S. Aliyev, N.B. Kerimov. "On the uniform convergence of Fourier series expansions in the system of eigenfunctions of the equation of a vibrating rod at one end of which the mass is concentrated. " Proceedings of the Institute of Mathematics and Mechanics, National Academy of Sciences of Azerbaijan. 46(2) (2020), 1-17.

4. Hazanee, A., Daniel Lesnic, M. I. Ismailov, and Nazim B. Kerimov. "Inverse time-dependent source problems for the heat equation with nonlocal boundary conditions." Applied Mathematics and Computation 346 (2019): 800-815.

5. Kerimov, N. B. "Basis Properties in L p of a Sturm-Liouville Operator with Spectral Parameter in the Boundary Conditions." Differential Equations 55, no. 2 (2019): 149-158.

6. Kerimov, Nazim B., and Emir A. Maris. "On the Uniform Convergence of Fourier Series Expansions for Sturm–Liouville Problems with a Spectral Parameter in the Boundary Conditions." Results in Mathematics 73, no. 3 (2018): 102.

7. Goktas, Sertac, Nazim B. Kerimov, and Emir A. Maris. "On the uniform convergence of spectral expansions for a spectral problem with a boundary condition rationally depending on the eigenparameter." J. Korean Math. Soc. 54, no. 4 (2017): 1175-1187.

8. Kerimov, Nazim B., Sertac Goktas, and Emir A. Maris. "Uniform convergence of the spectral expansions in terms of root functions for a spectral problem." Electronic Journal of Differential Equations 2016.80 (2016): 1-14.

9. Kerimov, Nazim B., and Emir A. Maris. "On the uniform convergence of the Fourier series for one spectral problem with a spectral parameter in a boundary condition." Mathematical Methods in the Applied Sciences (2015).

10. Kerimov N.B., Hazanee A., Lesnic D., Ismailov M. I. An inverse time-dependent source problem for the heat equation with a non-classical boundary condition. APPLIED MATHEMATİCAL MODELLİNG (2015). doi:10.1016/j.apm.2015.01.058.

11. Kerimov N.B., Ismailov M. I. Direct and inverse problems for the heat equation with a dynamic-type boundary condition. MA JOURNAL OF APPLİED MATHEMATİCS (2015). doi: 10.1093/imamat/hxv005.

12. Kerimov N.B., Hikmet Gunes, Ufuk Kaya. Spectral Properties of Fourth Order Differential Operators with Periodic and Antiperiodic Boundary Conditions. RESULTS IN MATHEMATICS (2015). Doi: 10.1007/s00025- 015-0454-2.

13. Kerimov N.B., Ufuk Kaya. Spectral asymptotics and basis properties of fourth order differential operators with regular boundary conditions. MATHEMATICAL METHODS IN THE APPLIED SCİENCES 37.5 (2014): 698- 710.

14. Kerimov N.B., Ufuk Kaya. Some problems of spectral theory of fourth-order differential operators with regular boundary conditions. ARABIAN JOURNAL OF MATHEMATICS 3.1 (2014): 49-61.

15. Kerimov N.B. On a boundary value problem of NI Ionkin type. DİFFERENTİAL EQUATİONS 49.10 (2013): 1233-1245.

16. Kerimov N.B. On spectral properties of certain regular boundary value problems for higher-order differential operators. DOKLADY MATHEMATİCS. Vol. 88. No. 3. Springer US, 2013.

17. Kerimov N.B., Hazanee A., Ismailov M.I., Lesnic D. An inverse time-dependent source problem for the heat equation APPL NUMER MATH 69 (2013), pp.13–33.

18. Kerimov N.B., Kaya. U. Spectral properties of some regular boundary value problems for fourth order differential operators, CENTRAL EUROPEAN JOURNAL OF MATHEMATİCS, January 2013, Volume 11, Issue 1, pp 94- 111.

19. Kerimov N.B., Poladov R.G. Basis properties of the system of eigenfunctions in the Sturm-Liouville problem with a spectral parameter in the boundary conditions, DOKLADY MATHEMATİCS, Volume 85, Number 1 (2012), pp.8-13, DOI: 10.1134/S1064562412010024 .

20. Kerimov N.B., Aliev Z.S., Agaev E.A. On the oscillation of eigenfunctions of a fourth-order spectral problem, DOKLADY MATHEMATİCS, Volume 85, Number 3 (2012), pp.355-357, DOI: 10.1134/S1064562412030155.

21. Kerimov N.B., Aliyev Z.S. Spectral Properties of the Differential Operators of the Fourth-Order with Eigenvalue Parameter Dependent Boundary Condition, INTERNATIONAL JOURNAL OF MATHEMATICS AND MATHEMATICAL SCIENCES, vol. 2012, Article ID 456517, 28 pages, 2012. DOI:10.1155/2012/456517.

22. Kerimov N.B., Ismailov M.I. An inverse coefficient problem for the heat equation in the case of nonlocal boundary conditions, JOURNAL OF MATHEMATİCAL ANALYSİS AND APPLİCATİONS, Volume 396, Issue 2, 15 December 2012, pp. 546–554.

23. Kerimov N.B., Aliyev Y.N. The basis property of Sturm-Liouville problems with boundary conditions depending quadratically on the eigenparameter, ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2008, volume 33, issue 1A, pp. 123-136.

24. Kerimov N.B, Aliev Z.S. On the basis property of the system of eigenfunctions of a spectral problem with spectral parameter in the boundary condition, DIFFERENTIAL EQUATIONS, 2007, volume 43, issue 7, pp. 905-915.

25. Kerimov N.B., Aliev Z.S. The basis properties of eigenfunctions in the eigenvalue problem with a spectral parameter in the boundary condition, DOKLADY MATHEMATICS, 2007, volume 75, issue 1, pp. 12-15.

26. Kerimov N.B., Aliev Z.S. Some spectral properties of a boundary value problem with a spectral parameter in the boundary condition, DOKLADY MATHEMATICS, 2006, volume 74, issue 3, pp. 883-886.

27. Kerimov N.B., Aliev Z.S. Basis properties of a spectral problem with spectral parameter in the boundary condition, SBORNIK MATHEMATICS, 2006, volume 197, issue: 9-10, pp. 1467-1487.

28. Kerimov N.B., Aliyev Y.N. The basis property in L-p of the boundary value problem rationally dependent on the eigenparameter, STUDIA MATHEMATICA, 2006, volume 174, issue 2, pp. 201-212.

29. Kerimov N.B., Mirzoev V.S. On the basis properties of one spectral problem with a spectral parameter in a boundary condition, SIBERIAN MATHEMATICAL JOURNAL, 2003, volume 44, issue 5, pp. 813-816.

30. Kerimov N.B. A boundary value problem for the Dirac system with a spectral parameter in the boundary conditions, DIFFERENTIAL EQUATIONS, 2002, volume: 38, issue 2, pp. 164-174.

31. Kerimov N.B., Mamedov K.R. On one boundary value problem with a spectral parameter in the boundary conditions, SIBERIAN MATHEMATICAL JOURNAL, 1999, volume 40, issue 2, pp. 281-290.

32. Kerimov N.B., Mamedov K.R. On the Riesz basis property of the root functions in certain regular boundary value problems, MATHEMATICAL NOTES, 1998, volume 64, issue 3-4, pp. 483-487.

33. Kerimov N.B. On the necessary conditions of the basis property and the minimality in the Lp(G) of the systems of the eigen and adjoint functions, 1998, DOKLADY AKADEMII NAUK, 1988, volume 358, issue 1, pp. 13-15.

34. Kerimov N.B. Basis property and uniform minimality of systems of root functions of differential operators 3, DIFFERENTIAL EQUATIONS, 1996, volume 32, issue 5, pp. 594-602.

35. Kerimov N.B. Basis property and uniform minimality of systems of root functions of differential operators 2, DIFFERENTIAL EQUATIONS, 1996, volume 32, issue 4, pp. 471-477.

36. Kerimov N.B. Basis property and uniform minimality of systems of root functions of differential operators 1, DIFFERENTIAL EQUATIONS, 1996, volume 32, issue 3, pp. 321-327.
37. Kerimov N.B. Necessary and sufficient conditions for a system of root functions of a differential operator to be a basis, DIFFERENTIAL EQUATIONS, 1996, volume 32, issue 1, pp. 38-45.
38. Kerimov N.B. On the basis property of the system of eigenfunctions and associated functions of a second order differential operator, DOKLADY AKADEMII NAUK, volume 349, issue 5, pp. 596-597.
39. Kerimov N.B., Allakhverdiev T.I. On a boundary-value problem 2, DIFFERENTIAL EQUATIONS, 1993, volume 29, issue 6, pp. 814-821.
40. Kerimov N.B, Allakhverdiev T.I. On a boundary-value problem 1, DIFFERENTIAL EQUATIONS, 1993, volume 29, issue 1, pp. 45-50.
41. Kerimov N.B. Questıon of necessary conditions for the basis property, DIFFERENTIAL EQUATIONS, 1990, volume 26, issue 6, pp. 675-684.
42. Kerimov N.B. The necessary conditions of basicity of a system of eigen and adjoınt functions of the 2nd-order differential operator in L2(G), DOKLADY AKADEMII NAUK SSSR, 1988, volume 299, issue 4, pp. 809-811.
43. Kerimov N.B. Some properties of the eigenfunctıons and associated functions of an ordinary differential operator of 4th order, MATHEMATICAL NOTES, 1986, volume 40, issue 5-6, pp. 847-854.
44. Kerimov N.B. Some properties of eigenfunctions and adjoint functions of ordinary differential-operators, DOKLADY AKADEMII NAUK SSSR, 1986, volume 291, issue 5, pp. 1054-1056.
45. Kerimov N.B. The unconditioned basicity of systems of eigen and adjoint functions of the 4th-order differential operator, DOKLADY AKADEMII NAUK SSSR, 1986, volume 286, issue 4, pp. 803-808.

7.2. Other Articles:

46. Kerimov N.B., Emir Ali Maris. On the basis properties and convergence of expansions in terms of eigenfuncions for a spectral problem with a spectral parameter in the boundary condition. PROCEEDİNGS OF THE INSTİTUTE OF MATHEMATİCS AND MECHANİCS, NATİONAL ACADEMY OF SCİENCES OF AZERBAİJAN Volume 40, Special Issue, 2014, Pages 245-258.
47. Kerimov N.B., Aliyev Y.N. On the basis properties of Sturm- Liuville problems with boundary condition quadratically dependent on the eigenparameter. NEWS OF BAKU UNIVERSITY, PHYSIKCO –MATHEMATICAL SCIENCES SERIES, vol.1, İSSN:1609-0586, pp. 15-26,2006.
48. Kerimov N.B., Ibadov E.J. On necessary conditions of basicity of a system of eigen-functions of second order discontinuous operators. TRANS. NATL. ACAD. SCI. AZERB. SER. PHYS.-TECH. MATH. SCI. 26 (2006), no. 1, Math. Mech., pp.117–124.
49. Kerimov N.B., Poladov R.G. On Basicity in Lp (1 < p < ∞) of the System of Eigenfunctions of one Boundary Value Problem, II, PROC. OF INSTİTUTE OF MATH. AND MECH. OF NAS OF AZERBAİJAN, 23 (2005), pp.65–76.
50. Kerimov N.B., Poladov R.G. On Basicity in Lp (1 < p < ∞) of the System of Eigenfunctions of one Boundary Value Problem, I. PROC. OF INSTİTUTE OF MATH. AND MECH. OF NAS OF AZERBAİJAN, 22 (2005), pp. 53–64.

51. Kerimov N. B., Gadjiev A.D., Mehdiyev M.F., Iskenderov B.A. Anniversaries Binali Isa oglu Musayev (to the 60th anniversary). TRANS. NATL. ACAD. SCI. AZERB. SER. PHYS.-TECH. MATH. SCI. 24 (2004), no. 1, Math. Mech., pp. 267–268.

52. Kerimov N.B., Mukhtarov F.Sh. On the oscillation properties and minimality of a system of function of a boundary value problem. TRANSATİONS. AZERBAİJAN NATİONAL ACADEMY OF SCİENCES. 2003, v.XXIII, 1, pp.109-118.

53. Kerimov N.B., Mamedov Kh.R. The Sturm-Lioville problem with non-linear spectral parameter in the boundary conditions. TRANSACTİONS. AZERBAİJAN NATİONAL ACADEMY OF SCİENCES. 2001, v.XXI, 1, pp.100- 103.

54. Kerimov N.B. On the basis property and uniform minimality of system of root functions of differential operators (Russian). A dissertation for a doctor of science degree. Moscow. Moscow State University. 1996. 168 p.

55. Kerimov N.B. On the basis property and uniform minimality of system of root functions of differential operators (Russian). Abstract of dissertation for a doctor of science degree. Moscow. Moscow State University. 1996. 30 p.

56. Kerimov N.B. Some problems of spectral theory non-self-adjoint differential operators (Russian). Ph.D. thesis. Moscow. Moscow State University. 1985. 101 p.

57. Kerimov N.B. Some problems of spectral theory non-self-adjoint differential operators (Russian). Abstract of Ph.D. thesis. Moscow. Moscow State University. 1987. 15 p.

58. Kerimov N.B. Asimptotic formulae for eigen and associated functions of ordinary differential operators (Russian). Moscow. Moscow State University. 1985 (dep. VINITI 30.01.86, 663-1386 DEP), 19 p.

59. Kerimov N.B. On Bessel type inequality for system of eigen-and associated functions of a fourth-order ordinary differential operator (Russian). Moscow. Moscow State University. 1985 (dep. VINITI 29.07.85, 5549-DEP), 24 p.

8. Participation in Scientific Conferences

8.1. International Conferences:

1. 1.Kerimov, N. B, Aliyev Z. S. Spectral properties for the equation of vibrating rod on right end of which an inertial load is concentrated. VIII Annual Intern. Conf. of the Georgian Math. Union, Batumi Shota Rustaveli State University, Batumi, Georgia, Sept. 4-8, 2017, Book of Abstracts, p. 53.

2. 2.Kerimov, N. B, Aliyev Z. S. On the uniform convergence of spectral expansions in the system of eigenfunctions of the equation of vibrating rod with the load concentrated on one end. Operators, functions, and systems of mathematical physics conference. An International Conference Dedicated to the 70th anniversary of the birth of Hamlet Isayev/ Isaxanli. 21-24 May 2018, Khazar University, Baku, Azerbaijan, pp.185-187.

3. Kerimov N. B., Goktas S., Maris E. A. On the uniform convergence of the spectral expansions in terms of root functions for one spectral problem. 7-th International Conference on Mathematical Analysis, Differential Equation & Their Applications MADEA-7, September 08-13, 2015, Baku – Azerbaijan.

4. Kerimov N. B., Maris E. A. On the uniform convergence of the Fourier series for one spectral problem with a spectral parameter in a boundary condition. International Conference on Recent Advances in Pure and Applied Mathematics, 6-9 November 2014, Antalya, Turkey.

5. Kerimov N.B. On the spectral properties of some non-self-adjoint Sturm-Liouville operator. International Conference on Mathematical Analysis, Differential Equations and Their Applications, September 04-09, 2012, Mersin – Turkey.

6. Kerimov N.B., Kaya U. Spectral properties of some regular boundary value problems. International Conference on Mathematical Analysis, Differential Equations and Their Applications, September 04-09, 2012, Mersin – Turkey.

7. Kerimov N.B., Kaya U. A Boundary Value Problem for the Dirac System Containing a Spectral Parameter in One of the Boundary Conditions. International Conference on Applied Analysis and Algebra, Proceedings Book, s.246, İstanbul, 2011.

8. Kerimov N.B., Maris E.A. On the Basis Properties of the Root Functions of Some Boundary Value Problem. International Conference on Applied Analysis and Algebra, Proceedings Book, s.247, İstanbul, 2011.

9. Kerimov N.B. On the Spectral Properties of some regular boundary value problem for non-self-adjoint differential operator. Bulgarian-Turkish-Ukrainian Scientific Conference, Mathematical Analysis, Differential Equations and their Applications, 15 – 20 September 2010, Sunny Beach, Bulgaria, p.26.

10. Kerimov N.B., Poladov R.G. On the basicity of system of eigenfunctions of Sturm-Liouville problems with a spectral parameter in the boundary conditions. Proceeding of international conference, 27 January-3 February 2010, Saratov (Russian Federation), p.87.

11. Kerimov N.B. On the spectral properties of some regular boundary value problem. Mathematical Analysis, Differential Equations and their Applications, Abstracts, Famagusta, North Cyprus, September 12-15, 2008, p.30.

12. Kerimov N.B., Ibadov E.J. On the basicity of systems of root functions of some regular boundary value problems. 2. Türk Dünyası Matematik Sempozyumu, 4-7 Tem.2007, Sakarya.

13. Kerimov N.B., Aliyev Y.N. The basic property in L p of Sturm - Liuville problems with boundary conditions depending quadratically on the parameter. International Conference Mathematical Analysis, Differential Equations and Their Applications, September 18-23, 2006, Uzhgorod, Ukraine.

14. Kerimov N.B. On the basis properties of one spectral problem with a spectral parameter in the boundary conditions. International Workshop on analysis and its applications. Abstracts of talks. September 07-11, 2004. Mersin-Turkey.

15. Kerimov N.B., Poladov R.G. On a boundary value problem with a spectral parameter in the boundary conditions (Russian). Abstract of X International conference devoted to the 45th anniversary of Institute of Mathematics and Mechanics. Baku. 2004, p.88.

16. Kerimov N.B., Aliyev Z.S. Oscillation properties of eigenfunctions of one vibratory boundary value problem (Russian). Abstract of X International conference devoted to the 45th anniversary of Institute of Mathematics and Mechanics. Baku. 2004, p.87.

17. Kerimov N.B. On the spectral properties of one boundary value problem (Russian). Spectral theory of differential operators and contiguous problems. Proceeding of International conference. 24-28 June, 2003, s.Sterlitamak (Russian Federation). Part 1, pp.34-36.

18. Kerimov N.B., Mamedov Kh.R. On one boundary value problem with spectral parameter in boundary conditions (Russian). Spectral theory of differential operators and contiguous problems. Proceeding of International conference. 22-25 September. 1998, s.Sterlitamak (Russian Federation). Part 1, pp.20-22.

8.2. National Conferences:

19. Kerimov N.B, Emir Ali Maris. Some properties of decompositions with respect to root functions of a Boundary Value problem with a boundary condition involving a spectral parameter (in Turkish). Ankara Mathematics Days, 2014.

20. Kerimov N.B, Hikmet Güneş. Spectral analysis of a fourth-order Regular Boundary Value problem (in Turkish). Ankara Mathematics Days, 2014.

21. Kerimov N.B. Some Spectral Properties of High-Order Ordinary Operators (in Turkish). 26th National Mathematics Symposium, September 04-07, 2013, Diyarbakir-TURKEY.
22. Kerimov N.B., Poladov R.G. On the basis properties of one boundary value problem (Russian). Abstract of scientific conference devoted to 70th anniversary of honoured worker of science Prof. A.A.Babayev (30 November - 1 December). Baku. 2004, pp.97-98.
23. Kerimov N.B., Aliyev Z.S. The basis properties of eigenfunctions of one vibratory boundary value problem (Russian). Abstract of scientific conference devoted to 70th anniversary of honoured worker of science Prof. A.A.Babayev (30 November - 1 December). Baku. 2004, pp.96-97.
24. Kerimov N.B., Mirzoyev V.S. On the basis property of one spectral problem. Abstracts of scientific conference devoted to 70th anniversary of Prof. G.K.Namazov. Baku. 2002, pp.76-78.
25. Kerimov N.B., Ibadov E.J. On a boundary value problem for the Dirac system (Russian). Materials of scientific conference devoted to 85th anniversary of honoured worker of science Prof.A.Sh.Gabib-zadeh. Baku. 2001, p.107.
26. Kerimov N.B., Mamedov Kh.R. On one boundary value problem (Russian).Proceeding of conference devoted to 80th anniversary of K.T.Akhmedov (30-31 October 1997). Baku. 1998, pp.146-148.
27. Kerimov N.B. On the uniform minimality and basis property of system of root functions of differential operator (Russian). Collection of articles of the I Republic conference on mechanics and mathematics. Part II. Mathematics. Baku. 1995, pp.118-121.
28. Kerimov N.B. On necessary and sufficient conditions for the basis property of system of root functions of a differential operator (Russian). Abstract of the conference (75th anniversary of Baku State University). Baku. 1994. 1p.

9. Published Books:
1. Kerimov N.B., Abdullayev F.G., Amanov R.A., Küçükaslan M. The integration of single-variable functions. (in Turkish). Nobel Publ. No: 1567, Mathematics –Statistics: 56, ISBN 978-605-395-377-7, 1. Issue, October 2010 – 265 p.
2. Kerimov N.B., Amanov R.A. Integral calculus of one-variable functions (methodical manual, in Azerbaijan). Baku. 2003. Publ. House, Baku University. 167 p.
3. Kerimov N.B., Amanov R.A., Agayarov M.H., Mirzoev V.S. Mathematics. Manual for school-leaver.I (methodical book, in Azerbaijani language). Baku. 2000. Publ. House, Chashioglu. 275p.
4. Kerimov N.B., Quliyev A.F., Mirzoyev V.S. International mathematical Olimpiads-1959-1997 (in Azerbaijani Language). Baku. 1998. Publ.house, Baku University. 262 p.
5. Kerimov N.B., Amanov R.A. Tests and reference materials on mathematics. Methodical textbook (in Russian). Baku. 1997-2000 (4 edition). Publ.house, Kur. 162 p.
6. Kerimov N.B., Amanov R.A. Test of mathematics (with necessary theoretical materials). Methodical textbook (in Azerbaijani Language). Baku. 1997-2000 (4 edition). Publ.house, Kur. 162 p.
7. Kerimov N.B. Tests and reference materials on mathematics. Methodical textbook. (Russian). Baku, 1994-1997 (4 edition). Publ.house, Kur. 139 p.
8. Kerimov N.B. Test on mathematics (with necessary theoretical materials). Methodical textbook (in Azerbaijani Language). Baku. 1994-1997 (4 edition). Publ. House, Kur.139 p.
9. Kerimov N.B., Afandiev V.I., Mahmudov N.I. Trigonometrical equations (methodical book, in Azerbaijani Language). Baku. 1992. Publ. house, Tebib. 148 p.