KƏRİMOV NAZİM BAXIŞ OĞLU

**Anadan olduğu yer :** Azərbaycan Respublikası , Cəlilabad şəhəri

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**Bitirdiyi ali təhsil müəssisəsi :** Azərbaycan Dövlət Universiteti ( 1975 -1980).

**Elmi dərəcəsi :** Fizika-riyaziyyat elmləri doktoru  ( 1996).

**Elmi rütbəsi :** Professor  ( 1998 ).

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**1.Namizədlik (PhD) dissertasiyası:**

**A) Ixtisas şifri və adı :** 01.01.02 – Diferensial tənliklər.

**B) Mövzunun adı :** Некоторые вопросы спектральной теории несамосопряженных дифференциальных операторов .

**C) Müdafiə edildiyi yer və il :** Moskva Dövlət Universiteti , 1987

**2. Doktorluq dissertasiyası:**

**A) Ixtisas şifri və adı :** 01.01.02 – Diferensial tənliklər.

**B) Mövzunun adı:** Базисность и равномерная минимальность систем корневых функций обыкновенных дифференциальных операторов.

**C) Müdafiə edildiyi yer və il:** Moskva Dövlət Universiteti , 1996.

**3. Çalışdığı elmi- tədqiqat və təhsil müəssisələri :**

**3.1.** Azərbaycan Milli Elmlər Akademiyası, Riyaziyyat və Mexanika institutu (Xüsusi Konstruktor Bürosunda baş laborant, mühəndis:1980-1981; Funksional Analiz şöbəsinde baş elmi işçi :1998-2006 ).

**3.2.** Moskva Dövlət Universiteti , Hesablama Riyaziyyatı və Kibernetika fakültəsi ( tədqiqatçı : 1981-1982; əyani aspirant: 1982-1985; əyani doktorant:1995-1996).

**3.3.** Bakı Dövlət Universiteti, Mexanika və Riyaziyyat fakültəsi, Riyazi Analiz kafedrası (baş laborant, müəllim, baş müəllim : 1986-1993; dosent : 1993-1998; professor: 1998-2006; kafedra müdiri: 2002-2005 ).

**3.4.** Mersin ( Türkiyə) Universiteti, Fenn – Ədəbiyyat fakültəsi , Riyaziyyat bölümü ( professor:2006-2016).

**3.5.** Xəzər Universiteti , Riyaziyyat kafedrası ( professor : 2016- davam edir).

**4.Kadr hazırlığında iştirakı : maqistrlerin sayı -** 11 ( Azərbaycan- 9, Türkiyə -2 ); **fəlsəfə doktorlarının sayı -** 5 (Azərbaycan-3, Türkiyə -2);  **elmlər doktorlarının sayı** 1( Azərbaycan).

**5. Respublika, beynəlxalq və xarici ölkələrin elm və təhsil qurumlarında iştirakı:**

**5.1.** Azərbaycan Respublikası Prezidenti yanında AAK riyaziyyat uzre ekspert şurasının üzvü və bir müddət elmi katibi (1998- 2006).

**5.2.** Beynəlxalq Riyaziyyat Olimpiadaları Komitəsinin jürisinin üzvü və bu olimpiadalarda respublika koman-

dasının rəhbəri (1999- Rumıniya, Buxarest; 2000- Cənubi Koreya, Seul; 2001-ABŞ, Vaşinqton; 2002-Böyük Britaniya, Qlazqo; 2003-Yaponiya, Tokio; 2004 –Yunanıstan, Afina; 2005 – Meksika, Merida ; 2006- Sloveniya , Lyublyana).

**5.3.** Azərbaycan Respublikası Təhsil Nazirliyiinin fənn olimpiadaları şurasının riyaziyyat bölümünün rəhbəri (1998-2006).

**5.4.** Azərbaycan Respublikası Təhsil Nazirliyiinin riyaziyyat üzrə elmi – metodik şurasının üzvü (1997-2006).

**5.5.** Bakı Dövlət Universiteti Elmi Surasının üzvü (2002 -2006).

**5.6.** Mersin Universiteti (Türkiyə) elmi – tədqiqat layihələrinin dəyərləndirilməsi şurasının üzvü (2007-2014).

**5.7.** Mersin Universiteti (Türkiyə) Fənn – Ədəbiyyat fakültəsi Elmi Şurasının üzvü (2007-2012).

**5.8.** Mersin Universiteti ( Türkiyə) Riyaziyyat Olimpiada komitəsinin üzvü (2007-2015).

**5.9.** Proceeding of İnstitute of Mathematıcs and Mechanics ( NAS Azerbaijan) jurnalının redaksiya heyətinin üzvü

( 1998–2006, 2013- davam edir).

**5.10.** Mathematıcs ( Beynəlxalq Ekoenerji Akademiyası, Bakı) jurnalının redaksiya heyətinin üzvü ( 2005–2006).

**5.11.**News of Baku University ( physikco –mathematical sciences series) jurnalının redaksiya heyətinin üzvü ( 2005-2006).

**5.12.** Trans. NAS Azerbaijan jurnalının redaksiya heyətinin üzvü ( 1998–2006, 2013- davam edir).

**6. Elmi məqalələrinin ümumi sayı --**52 , x**aricdə çıxmış elmi məqalələrinin sayı -** 42 , b**eynəlxalq bazalarda referatlaşdırılan və indeksləşdirilən jurnallarda çap olunan məqalələrin sayı-** 52  .

**7. Elmi məqalələri.**

**7.1. Beynəlxalq SCI ve SCI- expanded kateqoriyasına daxil olan:**

1. 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.
2. 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).
3. 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*.  APPLİED MATHEMATİCAL MODELLİNG (2015).[doi:10.1016/j.apm.2015.01.058](http://dx.doi.org/10.1016/j.apm.2015.01.058).
4. Kerimov N.B., Ismailov M. I. *Direct and inverse problems for the heat equation with a dynamic-type boundary condition.*IMA JOURNAL OF APPLİED MATHEMATİCS (2015). doi: 10.1093/imamat/hxv005.
5. Kerimov N.B., Hikmet Gunes, Ufuk Kaya. *Spectral Properties of Fourth Order Differential Operators with Periodic and Antiperiodic Boundary Conditions.*RESULTS İN MATHEMATİCS (2015). Doi:10.1007/s00025-015-0454-2.
6. Kerimov N.B., Ufuk Kaya. *Spectral asymptotics and basis properties of fourth order differential operators with regular boundary conditions.* MATHEMATİCAL METHODS İN THE APPLİED SCİENCES 37.5 (2014): 698-710.
7. Kerimov N.B., Ufuk Kaya. *Some problems of spectral theory of fourth-order differential operators with regular boundary conditions*. ARABİAN JOURNAL OF MATHEMATİCS 3.1 (2014): 49-61.
8. Kerimov N.B. *On a boundary value problem of NI Ionkin type.* DİFFERENTİAL EQUATİONS 49.10 (2013): 1233-1245.
9. 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.
10. 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.
11. Kerimov N.B., Kaya. U. *Spectral properties of some regular boundary value problems for fourth order differential operators*, Central European Journal of Mathematics, January 2013, Volume 11, [Issue 1](http://link.springer.com/journal/11533/11/1/page/1), pp 94-111.
12. [Kerimov](http://www.springerlink.com/content/?Author=N.+B.+Kerimov) N.B., [Poladov](http://www.springerlink.com/content/?Author=R.+G.+Poladov) R.G. [*Basis properties of the system of eigenfunctions in the Sturm-Liouville problem with a spectral parameter in the boundary conditions*](http://www.springerlink.com/content/52770n2227112218/), [Doklady Mathematics](http://www.springerlink.com/content/1064-5624/), [Volume 85, Number 1](http://www.springerlink.com/content/1064-5624/85/1/) (2012), pp.8-13, DOI: 10.1134/S1064562412010024 .
13. [Kerimov](http://www.springerlink.com/content/?Author=N.+B.+Kerimov) N.B., [Aliev](http://www.springerlink.com/content/?Author=Z.+S.+Aliev) Z.S., [Agaev](http://www.springerlink.com/content/?Author=E.+A.+Agaev) E.A. [*On the oscillation of eigenfunctions of a fourth-order spectral problem*](http://www.springerlink.com/content/b687710335830n52/), [Doklady Mathematics](http://www.springerlink.com/content/1064-5624/), [Volume 85, Number 3](http://www.springerlink.com/content/1064-5624/85/3/) (2012), pp.355-357, DOI: 10.1134/S1064562412030155.
14. 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.
15. Kerimov N.B., Ismailov M.I. *An inverse coefficient problem for the heat equation in the case of nonlocal boundary conditions*, Journal of Mathematical Analysis and Applications, [Volume 396, Issue 2](http://www.sciencedirect.com/science/journal/0022247X/396/2), 15 December 2012, pp. 546–554.
16. Kerimov N.B., Aliyev Y.N. *[The basis property of Sturm-Liouville problems with boundary conditions depending quadratically on the eigenparameter](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=1&SID=P2nF4bFPh@9931n7k3D&page=1&doc=1)*, ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2008,  volume 33, issue 1A, pp. 123-136.
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19. Kerimov N.B., Aliev Z.S. *[Some spectral properties of a boundary value problem with a spectral parameter in the boundary condition](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=1&SID=P2nF4bFPh@9931n7k3D&page=1&doc=3)*, DOKLADY MATHEMATICS, 2006,  volume 74, issue 3, pp. 883-886.
20. Kerimov N.B., Aliev Z.S . *[Basis properties of a spectral problem with spectral parameter in the boundary condition](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=1&SID=P2nF4bFPh@9931n7k3D&page=1&doc=5)*, SBORNIK MATHEMATICS, 2006, volume 197, issue: 9-10, pp. 1467-1487.
21. Kerimov N.B., Aliyev Y.N. *[The basis property in L-p of the boundary value problem rationally dependent on the eigenparameter](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=1&SID=P2nF4bFPh@9931n7k3D&page=1&doc=6)*, STUDIA MATHEMATICA, 2006, volume 174, issue 2, pp. 201-212.
22. Kerimov N.B., Mirzoev V.S. *[On the basis properties of one spectral problem with a spectral parameter in a boundary condition](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=1&SID=P2nF4bFPh@9931n7k3D&page=1&doc=7)*, SIBERIAN MATHEMATICAL JOURNAL, 2003, volume 44, issue 5, pp. 813-816.
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25. Kerimov N.B., Mamedov K.R. *[On the Riesz basis property of the root functions in certain regular boundary value problems](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=1&SID=P2nF4bFPh@9931n7k3D&page=1&doc=10)*, MATHEMATICAL NOTES, 1998, volume 64, issue 3-4, pp. 483-487.
26. 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*](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=1&SID=P2nF4bFPh@9931n7k3D&page=2&doc=11), 1998, DOKLADY AKADEMII NAUK, 1988, volume 358, issue 1, pp. 13-15.
27. Kerimov N.B. [*Basis property and uniform minimality of systems of root functions of differential operators 3*](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=1&SID=P2nF4bFPh@9931n7k3D&page=2&doc=12), DIFFERENTIAL EQUATIONS, 1996, volume 32, issue 5, pp. 594-602.
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30. Kerimov N.B. [*Necessary and sufficient conditions for a system of root functions of a differential operator to be a basis*](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=1&SID=P2nF4bFPh@9931n7k3D&page=2&doc=15), DIFFERENTIAL EQUATIONS, 1996, volume 32, issue 1, pp. 38-45.
31. Kerimov N.B. [*On the basis property of the system of eigenfunctions and associated functions of a second order differential operator*](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=1&SID=P2nF4bFPh@9931n7k3D&page=2&doc=16), DOKLADY AKADEMII NAUK, volume 349, issue 5, pp. 596-597.
32. Kerimov N.B., Allakhverdiev T.I. *[On a boundary-value problem 2](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=1&SID=P2nF4bFPh@9931n7k3D&page=2&doc=17)*, DIFFERENTIAL EQUATIONS, 1993, volume 29, issue 6, pp. 814-821.
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35. 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)*](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=1&SID=P2nF4bFPh@9931n7k3D&page=2&doc=20), DOKLADY AKADEMII NAUK SSSR, 1988, volume 299, issue 4, pp. 809-811.
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38. Kerimov N.B. [*The unconditioned basicity of systems of eigen and adjoint functions of the 4th-order differential operator*](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=2&SID=P2nF4bFPh@9931n7k3D&page=3&doc=23), DOKLADY AKADEMII NAUK SSSR, 1986, volume 286, issue 4, pp. 803-808.

**7.2.** **Digər məqalələr:**

39. 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.

40.Kerimov N.B., Aliyev Y.N. *On the basis properties of Sturm- Liuville problems with boundary condition quadratically dependt on the eigenparameter*. News of Baku University, physikco –mathematical sciences series, vol.1, İSSN:1609-0586, pp. 15-26,2006.

41. [Kerimov N.B](http://www.ams.org/mathscinet/search/publications.html?pg1=IID&s1=229680)., [Ibadov E.J.](http://www.ams.org/mathscinet/search/publications.html?pg1=IID&s1=798743) *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.,](http://www.ams.org/mathscinet/search/publications.html?pg1=ISSI&s1=246613) pp.117–124.

42. 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 Institute of Math. and Mech. of NAS of Azerbaijan, 23 (2005), pp.65–76.

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52. 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. Iştirak etdiyi elmi konfranslar**

**8.1. Beynəlxalq konfranslar:**

1. 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.
2. 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.
3. Kerimov N.B. *On the spectral properties of some nonself-adjoint Sturm-Liouville operator.* International Conference onMathematical Analysis, Differential Equations and Their Applications,September 04-09, 2012, Mersin – Turkey.
4. Kerimov N.B., Kaya U. *Spectral properties of some regular boundary value problems.* International Conference onMathematical Analysis, Differential Equations and Their Applications,September 04-09, 2012, Mersin – Turkey.
5. 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.
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7. Kerimov N.B. *On the Spectral Properties of some regular boundary value problem for nonself adjoint differential operator.* Bulgarian-Turkish-Ukrainian Scientific Conference, Mathematical Analysis, Differential Equations and their Applications, 15 – 20 September, 2010, Sunny Beach, Bulgaria, p.26.
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9. 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.
10. Kerimov N.B., İbadov 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.
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