EK-3

ÖZGEÇMİŞ

1. Adı Soyadı : Veli Şahmurov

2. Doğum Tarihi : 15.07.1951
3. Ünvanı : Prof.Dr.
4. Öğrenim Durumu : PhD ve Doctor of Science (DSc)
5. Çalıştığı Kurum : Antalya Bilim Üniversitesi

Derece	Alan	Üniversite	Yıl
Lisans	Matematik	Azerbaycan Devlet Pedagoji Üniversitesi, Matematik Fakültesi	1973
Y. Lisans	Matematik	Azerbaycan Devlet Pedagoji Üniversitesi, Matematik Fakültesi	1975
Doktora (PhD) ve DSc	Matematik	Steklov Matematik Enstitüsü, Sovyetler Birliği	1979, 1985

5. Akademik Ünvanlar
Yardımcı Doçentlik Tarihi : 1981
Doçentlik Tarihi : 1983
Profesörlük Tarihi : 1989

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

1) Continuous of embedding in Hilbert- valued Sobolev spaces and applications, 1989, Baku State University;

2) Compactness of embedding in vector-valued anisotropic spaces and applications, 1989, Baku State University;

3) Embedding of anisotropic Sobolev spaces and applications, 1990, Baku State University;

4) Normal solvability properties of boundary value problems for abstract elliptic equations, 1990, Baku State University;

5) Fredholm properties of boundary value problems for operator- elliptic equations, 1990, Baku State University;

6) Fredholm properties of boundary value problems for quasi elliptic equations, 1990, Baku State University;

7) Solvability properties of boundary value problems for regular degenerate elliptic equations, 1991, Baku State University;

8) Stability properties of initial value problems for parabolic equations, 1991, Baku State University;

9) Regularity properties of boundary value problems for singular degenerate ellipitic equations, 1992, Baku State University;

10) Regularity properties of initial value problems for degenerate parabolic equations, 1992, Baku State University;

11) Fredholm properties of boundary value problems for degenerate elliptic equations, 1993, Baku State University;

12) Wel-posedeness of initial value problems for degenerate parabolic equations, 1994, Baku State University;

13) Approctimation numbers of embedding operators in vector valued Sobolev spaces, 1995, Baku State University;

14) Spectral properties of degenerate differential operators considered in bounded domain, 1995, Baku State University;

15) Estimates of resolvents of degenerate elliptic operators in half plane, 1995, Baku State University;

16) Embedding theorems in abstract anisotropic spaces and applications, (Hadica Ismail, Istanbul Technical University, 2009);

17) Fredholm properties of Agranovich-Vishik type elliptic equations,(Asuman Mert, Istanbul Technical University, 2010).

6.2. Doktora Tezleri

1) Coercive boundary value problems for abstract differential equations on half plane (Azad Babayev-1985, Baku State University);

2) Maximal regular properties of degenerate differential operator equations (Emin Musayev-1986, Baku State University);

3) The stability properties of solutions of some nonlinear partial differential equations by means of finite element and Galerkin methods (Gasim Farruh-1992, Baku State University)

4) Embedding theorems and application to differential-operator equations (Hummet Musayev-1997, IMM Baku)

5) Embedding in abstract Besov spaces and well-posedeness of degenerate abstract equations in its (Doctor of Science, Malık Cebrailiv-1997, IMM Baku);

6) Maximal regularity properties of Agranovıch-Vishik type abstract elliptic equations (Asuman Mert, (Thesis defense phase, Istanbul Technical University).

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI,SSCI,Arts and Humanities)

1. Yakubov S.Y., Shakhmurov V. B., Theorems on imbedding in anisotropic spaces of vector-valued functions, Mathematical Notes., 22 (1-2)1977, 657-659.

2. Shakhmurov V. B., Compactness of embedding in anisotropic vector function spaces and applications, Doklady Akademii Nauk SSSR, (6)241,1285-1287, 1978.

3. Maksudov F.G., Shakhmurov V. B., On the completeness of the system of the eigen and attached vectors of the non-local boundary -value problems for the quasi-elliptic partial -differential-operator equations, Doklady Akademii Nauk SSSR, 268 (1) 1983, 33-35.

4. Maksudov F.G., Shakhmurov V. B., The estimations of resolvent for some class of quasi- elliptic partial differential-operator equations, Doklady Akademii Nauk SSSR, 268 (4), 1983, 799-802.

5. Shakhmurov V. B., The embedding theorems in abstract anisotropic spaces and their applications, Doklady Akademii Nauk SSSR, 281, (5), 1985, 1068-1072.

6. Shakhmurov V. B., Coercive boundary- value problems for degenerate abstract equations, Doklady Akademii Nauk SSSR, 280 (6), 1985, 1316-1320.

7. Shakhmurov V. B., Coercive boundary value problems for strongly degenerated differential-operator equations, Doklady Akademii Nauk SSSR, 290 (3) 1986, 37-40.

8. Shakhmurov V. B., Theorems of embedding compactness of in weighted anisotropic spaces and their applications, Doklady Akademii Nauk SSSR, 291, (6) 1986,1305-1309.

9. Shakhmurov V. B., The embedding theorems in abstract function spaces and their applications, Mathematics of the USSR-Sbornik, 134(1-2), 1987, 261-276.

10. Shakhmurov V. B., Embedding theorems and their applications to degenerate equations, Differential Equations, 24, (4) 1988,), 475-482.

11. Shakhmurov V. B.(with Lizorkin P. I.), Embedding theorem for vector-valued functions. 1, Izvestiya Vushkh Uchebnykh Zavedenie Matematika (1), 1989, 70-79.

12. Shakhmurov V. B, Coercive boundary value problems for degenerate anisotropic equations, Izvestiya Vushkh Uchebnykh Zavedenie Matematika (8) 1989, 69-78.

13. Lizorkin P. I, Shakhmurov V. B., Embedding theorem for vector-valued functions. 2, Izvestiya Vushkh Uchebnykh Zavedenie Matematika (2), 1989, 47-54.

14. Shakhmurov V. B, Babaev A. A., Coercive problems for equations with parameters, Doklady Akademii Nauk SSSR, 315 (1), 1990, 799-802.

15. Shakhmurov V. B., Embedding theorems and maximal regular differential operator equations in Banach-valued function spaces, Journal of Inequalities and Applications, (4) 2005, 605-620.

16. Shakhmurov V. B., Coercive boundary value problems for regular degenerate differential-operator equations, Journal of Math. Anal. Appl., 292, 2004 (2), 605-620.

17. Shakhmurov V. B., Shahmurova A. M., Fractional Time-Varying Energy Distributions of Biological signals, Applicable Analysis, (85) 2005, 539-553.

18. Agarwal R., Bohner M., Shakhmurov V. B., Maximal regular boundary value problems in Banach-valued weighted spaces, Boundary value problems, (1)2005, 9-42.

19. Shakhmurov V. B., Maximal regular boundary value problems for differential operator equations in Banach-valued function spaces, International journal of Mathematics and Mathematical Sciences, v. 2006, (2006), 1-26.

20. Shakhmurov V. B., Embedding theorems in Banach-valued B-spaces and maximal B-regular differential operator equations, Journal of Inequalities and Applications, v. 2006, 1-22.

21. Shakhmurov V. B., Separable anisotropic differential operators and applications, J. Math. Anal. Appl. 2006, 327(2), 1182-1201.

22. Agarwal R., Bohner M., Shakhmurov V. B., Linear and nonlinear nonlocal boundary value problems for differential-operator equations, Applicable analysis 2006, 85 (6-7), 701-716.

23. Shakhmurov V. B., Embedding and maximal regular differential operators in Sobolev-Lions spaces, Acta Mathematica Sinica, 22(5) 2006, 1493-1508.

24. Shakhmurov V. B., Nonlinear abstract boundary value problems in vector-valued function spaces and applications, Nonlinear Analysis Series A: Theory, Method & Applications, v. 67(3) 2006, 745-762.

25. Shakhmurov V. B., Maximal B-regular boundary value problems with parameters, J. Math. Anal. Appl. 320, (2006), 1-19.

26. Shakhmurov V. B., Degenerate differential operators with parameters, Abstract and Applied Analysis, 2007 , V. 2006, 1-27

27. Shakhmurov V. B, Embedding theorems in B-spaces and applications,

Chinese Annals of Mathematics, Ser. B, v.29, no 1, 2008.

28. Agarwal R., O' Regan, D Shakhmurov V. B., Separable anisotropic differential operators in

weighted abstract spaces and applications, J. Math. Anal. Appl. 2008, 338, 970-983.

29. Shakhmurov V. B., Carleman estimates and unique continuation property for the anisotropic differential operator equations, Science in China, Ser. A: Mathematics, 2008, v. 51, no 7, 1215-1231.

30. Shakhmurov V. B., Shahmurov R., Maximal B-regular integro-differential equations, Chinese Annals of Mathematics, 30B(1), 2008, 39-50.

31. Shakhmurov V. B., Embedding and separable differential operators in Sobolev-Lions type spaces, Mathematical Notes, 2008, v. 84, no 6, 906-926. Notes, 84, 842-858. https://doi.org/10.1134/S0001434608110278

32. Agarwal R., Shakhmurov V. B., Linear and nonlinear degenerate boundary value problems in Besov Spaces, Mathematical and Computer Modelling, V. 49, Issues 5-6, 2009, 1244-1259

33. Agarwal R., Shakhmurov V. B., Multipint problems for degenerate abstract differential equations, Acta Mathematica Hungarica,123 (1-2), 2009, 65-89.

34. Agarwal R., O`Regan D., Shakhmurov V. B., B-Separable boundary value problems in Banach-valued function spaces, Applied Mathematics and Computation, V. 210, Issue 1, 2009, P. 48-63.

35. Shakhmurov V. B., Shahmurova A., Nonlinear abstract boundary value problems atmospheric dispersion of pollutants, Nonlinear Analysis, Real World Applications, v.11 (2) 2010, 932-951. DOI: 10.1016/j.nonrwa.2009.01.037

36. Favini A., Shakhmurov V. B., Ya. Yakubov, Regular boundary value problems for complete second order elliptic differential-operator equations in UMD Banach spaces, Semigroup form, V. 79 (1), 2009, 22-54

37. Shakhmurov V. B., Shahmurov R., Sectorial operators with convolution term, Mathematical Inequalities and Applications, V.13 no.2, 2010, 387-404

38. Shakhmurov V. B, Compact embedding in Besov spaces and B-separable elliptic operators, Science in Chine,Series A: Mathematics, V.53, no 4,1067-1084, 2010.

39. Agarwal R., O` Regan D., Shakhmurov V. B., Higher order nonlinear degenerate differential operator equations, Applied Mathematics Letter, v.22(10), 2009, 1556-1561

40. Shakhmurov V. B, Abstract capacity of regions and compact embedding with applications, Acta Mathematica Scientia, V.31, no1, 2011, 49-67.

41. Agarwal R., O`Regan D., Shakhmurov V. B., Uniform separable differential operators with parameters, Journal of Franklin Institute, 2010, V. 347 no1, 2-16.

42. Shakhmurov V. B., Maximal regular abstract elliptic equations and applications, Siberian Mathematical Journal, V.51, No 5, 935-948, 2010

43. Shakhmurov V. B., Linear and nonlinear abstract equations with parameters, Nonlinear Analysis, Theory, Method and Applications, 2010, v. 73, 2383-2397

44. Shakhmurov V. B, Regular degenerate separable differential operators and applications, Potential Analysis, 2011, v.35, no.3, 201-212

45. Shakhmurov V. B., Separable anisotropic elliptic operators and applications, Acta Mathematica Hungary, 131, (3), 2011, 208-229.

46. Agarwal R., O`Regan D., Shakhmurov V. B., Degenerate anisotropic differential operators and applications, Boundary value problems, 2011 V. 2011, 27p.

47. Shakhmurov V.B., Anisotropic elliptic equations with VMO coefficients, Applied Mathematics and Computation, 2011, 218, 1057-1062 .

48. Shakhmurov V. B., Sahmurova A., Singular perturbation degenerate problems occurring in atmospheric dispersion of pollutants, Applied Mathematics and Computation 218 (3), 1052-1056, 2011.

49. Shakhmurov V. B., Sahmurova, A., Degenerate anisotropic parabolic problems occurring atmospheric dispersion of pollutants, Proceeding AIP, 1389, 2011, 629-631.

50. Shakhmurov V.B., Free boundary value problems for abstract elliptic equations and applications, Chinese Annals of Mathematics, Ser.B, 2011 v. 32 (5), 749-770.

51. Shakhmurov V.B., Carleman estimates and unique continuation for abstract elliptic equations, Proceeding AIP, 1389, 632-634, 2011.

52. Shakhmurov V. B, Estimates of approximation numbers for embedding operators and applications, Acta Mathematica Sinica, English Series, 2012, V. 28, (9), 1883-1896. doi:10.1007/s10114-012-9547-y

53. Shakhmurov V.B ., Embedding operators in vector-valued weighted Besov spaces and applications, Journal of Function spaces and Applications, 2012 v. 2012. DOI :http://dx.doi.org/10.1155/2012/819321

54. Shakhmurov V. B., Optimal regular differential operators with VMO Coefficients, AIP Conf. Pr. 1504, 2012, 1269-1274.

55. Shakhmurov V. B., Carleman estimates and unique continuation for abstract elliptic equations, Boundary Value Problems, 2012, 2012-46, https://doi.org/10.1186/1687-2770-2012-46.

56. Shakhmurov V. B., Sahmurova A., Parabolic problems with parameters arising in evolution model for phytromediation, AIP Conf. Pr. 1504, 2012, 1265-1268.

57. Shakhmurov V. B., Sahmurova A., Singular degenerate problems occuring in atmospheric dispersion of pollutants, Operator Theory: Advances and applications, v. 236, 2014, 455-461.

58. Shakhmurov V. B., Sahmurova A., Parabolic Problems with Parameter Occuring in Environmental Engineering, AIP, 2012 V.1470,

59. Shakhmurov V. B., Sahmurova A., Separable Convolution Equations Occurring in Atmospheric Dispersion of Pollutants, AIP, 2012, Volume: 1479.

60. Shakhmurov V. B., Parameter dependent Navier-Stokes like problem, AIP, v. 1470, p. 259-261, 2013.

61. Shakhmurov V. B., Carleman estimates and unique continuation property for elliptic operators, Mathematical Inequalities & Applications, V.16 (3), 2013, 873-885. DOI: 10.1063/1.3636810

62. Shakhmurov V. B., B-Separable Anisotropic Convolution Operators and Applications, Georgian Mathematical Journal, 2013, V. 20, no1, 129-149. DOI:10.1515/gmj-2013-0005

63. Shakhmurov V. B., Singular degenerate boundary value problems and applications, Applied Mathematic Letter, 2013 (26), 87-90. 10.1016/j.aml.2012.03.037

64. Shakhmurov V. B., Linear and nonlinear abstract elliptic equations with VMO coefficients and applications, Fixed Point Theory and Applications 2013, 2013: 6. DOI:10.1186/1687-1812-2013-6

65. Shakhmurov V. B., Nonlocal Novier-Stokes problem with small parameter, Boundary Value Problems, 2013, V. 2013-107. DOI:10.1186/1687-2770-2013-107

66. Shakhmurov V. B., Optimal regular differential operators with variable coefficients and applications, Fixed Point Theory and Applications, 2013 , 2013: 42. DOI:10.1186/1687-1812-2013-42

67. Shakhmurov V. B., Sahmurova A., Singular degenerate problems occurring in biosorption process, Boundary Value Problems, 2013, V. 2013.30 (1).

68. Shakhmurov V. B., Sahmurova A., Abstract parabolic problems with parameter and application, Applied mathematics and Computation, 2013, V. 219, (17), 9561-9571). DOI:10.1186/1687-2770-2013-30

69. Shakhmurov V.B., Ekincioglu I., Linear and nonlinear convolution elliptic equations, Boundary Value Problems, 2013, 2013:211, DOI:10.1186/1687-1812-2013-6

70. Shakhmurov V. B., Parameter dependent Stokes problems in vector-valued spaces and applications, Boundary Value Problems, 2013, V. 2013-172. DOI: 10.1186/1687-2770-2013-172

71. Shakhmurov V. B., Sahmurova A., Abstract elliptic operators appearing in atmospheric dispersion, Boundary Value Problems, 2014 V.2014:43. DOI :10.1186/1687-2770-2014-116.

72. Shakhmurov V. B., Stokes operators with variable coefficients, Boundary Value Problems 2014, V. 2014:86 DOI: 10.1186/1687-2770-2014-86

73. Shakhmurov V. B., Anisotropic differential operators with parameters and applications, Ukrainian Mathematical Journal, 2014, no.7, p. 985-1002. DOI https://doi.org/10.1007/s11253-014-0997-5.

74. Shakhmurov V. B., Ozer A., Maximal regularity properties of Agranovich-Vishik type abstractelliptic operators in the half-plane, Journal of inequalities and applications, 2014, V.2014:233. DOI:10.1186/1029-242x-2014-233

75. Shakhmurov V.B., Stokes equations with small parameters in half plane, Computers and Mathematics with Applications, 67, 2014, 91-115. DOI: 10.1016/j.camwa.2013.10.016

76. Shakhmurov V. B., Singular degenerate differential operators and applications, Math.Slovaca 65(2015), No.6, 1-24. DOI: https://doi.org/10.1515/ms-2015-0096

77. (SCI) Shakhmurov V.B., Separable convolution-elliptic operators with parameters, Form . Math. 2015, 27(6), 2637-2660. DOI: https://doi.org/10.1515/forum-2013-0101

78. Shakhmurov V.B., *Linear and nonlinear abstract differential equations of high order, Open mathematics (Cent.Euro. Math.) (2015) 13, 471-488.* DOI: 10.1515/math-2015-0044

79. Shakmurov V.B., Nonlocal abstract Novier-Stokes problem, Nonlinear Analyzis, Real World Applications, 2015, 26, 15-43. DOI: 10.1016/j.nonrwa.2015.03.011

80. (SCI) V. B. Shakhmurov, Embedding operators of Sobolev spaces with variable exponents and applications, Analysis Mathematica, 41(2015), 273--297. DOI: 10.1007/s10476-015-0303-2

81. Shakhmurov V. B., Musayev H., Separability properties of convolution-differential operator equations in weighted Lp spaces, Appl. Math. 2015, 14(2). DOI https://doi.or g/10.1007/s11253-018-1458-3

82. Shakhmurov V. B., Abstract elliptic equations with VMO coefficients in half plane, Mediterranen Journal of Mathematics, 2015, V.25, 1-21. DOI https://doi.org/10.1007/s00009-015-0599-y

83. Shakhmurov V. B., Abstract elliptic equations with integral boundary conditions and applications, Chinese Annals of Mathematics,201(3B), 2016, 1-18. DOI: 10.1007/s11401-016-0948-6

84. Shakhmurov V. B., Separable differential operators and applications, Journal of Moscow Math. Soc., 16 (2), 2016, 299-321. DOI: 10.1016/j.jmaa.2006.05.007

85. Shakhmurov V. B., Linear and nonlinear degenerate abstract differential equations with small parameters, Banach journal mathematical analysis, 10 (2016)(1), 147-168. DOI: 10.1215/17358787-3345071

86. Shakhmurov V. B., Musayev H., Regularity properties of degenerate convolution-elliptic equations, Boundary Value Problems, 2016, 2016-50. DOI https://doi.org/10.1186/s13661-016-0555-1.

87. Shakhmurov V. B.,The Cauchy problem for generalized abstract Boussinesq equations, Dynamic systems and applications, 25, (2016),109-122. DOI

https://doi.org/10.1007/s13324-018-0265-1

88. Shakhmurov V. B., Nonlocal problems for Boussinesq equations, Nonlinear Analysis TMA, 142 (2016) 134-151. DOİ https://doi.org/10.1007/s13324-018-0265-1.

89. Shakhmurov V. B., Sahmurova A., Degenerate parabolic equations appearing in atmospheric dispersion of pollutants, Electronic Journal of Qualitative Theory of Differential Equations (EJQTDE), 119(2017), 1-16. DOI:10.14232/ejqtde.2016.1.119

90. Shakhmurov V. B., Musayev H., Maximal regular convolution-differential equations in weighted Besov Spaces, Appl. Comput. Math.,v.16, N.2, 2017. MR3699485 34G10 (45J05)

91. Shakhmurov V.B., Sahmurova A., Mixed problems for degenerate abstract parabolic equations and applications, Carpathian Journal of Mathematics 34(2)(2018), 247-254.

arXiv:1707.01374

92. Shakhmurov V. B., Musayev H., Maximal regular convolution elliptic equations in weighted Besov Spaces, Ukr. Math. Journal, (2018) (69), 1607-1630. DOİ https://doi.org/10.1007/s11253-018-1458-3

93. Shakhmurov V. B., Regularity properties of Schrödinger equations in vector-valued spaces and applications, Forum Mathematicum 31 (1), 149-166 DOI: https://doi.org/10.1515/forum-2018-0083.

94. Ragusa A., Shakhmurov V. B., Embedding of vector-valued Morrey spaces and separable differential operators, Bulletin of Mathematical Sciences 2018, https://doi.org/10.1007/s13373-018-0129.

95. Shakhmurov V. B., Separability properties of singular degenerate abstract differential operators and applications, Rocky Mountain J. Math. V. 49(5) (2019), 1647-1666 DOI: 10.1216/RMJ-2019-49-5-1647

96. Shakhmurov V. B., Shahmurov R., The Cauchy problem for Boussinesq equations with general elliptic part, Journal Analysis and Math. Physis, Analysis and Mathematical Physics (2019) 9:1689–1709,DOİ https://doi.org/10.1007/s13324-018-0265-1.

97. Shakhmurov V.B., Nonlocal problems for abstract differential equations and applications, Moscow Mathematical Journal (20)1, 2020, 1-26.

98. Shakhmurov V. B, Linear and nonlinear degenerate differential operators and applications, Nonlinear Analysis 191 (2020) 1116332019.

99. Shakhmurov V. B., Fractional differential operators in vector-valued spaces and applications, Inequalities & Applications, 2(23) (2020), 521–538.

100. Shakhmurov V. B., Hardy type unique continuation properties for abstract Schrödinger equations and applications, Electronic journal of qualitative theory of differential equations, Electron.J.Qual.Theory.Differ.Equ. 2019,No.97,27. DOI: https://doi.org/10.14232/ejqtde.201.1.97.

101. Shakhmurov V. B., Nonlocal fractıonal dıfferential equations and applications, Complex analysis and Operator theory, 14 (49) (2020).

102. (SCIE) Bohner M., Shakhmurov V.B., Separable differential operators with parameters, Differential Equations and Dynamical Systems, 2020(36).
103. Shakhmurov V. B., Fractional abstract differential equatıons and applications, Bulletin of the Malaysian Mathematical Sciences Society, 2020, *DOI: 10.1007/s40840-020-00977-w*.

104. Ragusa A., Shakhmurov V.B, A Navier-Stokes type problem with high order elliptic operator and applications, J. Mathematics 2020, V.8 (12), 10.3390/math8122256 .

105. Shakhmurov V. B, Regularity properties of nonlinear abstract Schrödinger equations and applications, International Journal of Mathematics Vol. 31, No. 13, 2050105 (2020), https://doi.org/10.1142/S0129167X20501050.

106. Shakhmurov V. B, (A. Maharramov A., Sahmurova A., Stability features of the dynamical system emerging in the model of the cancer growth, *TWMS, 2020, accepted.*
107. Veli Shakhmurov, **Operator-valued Fourier multipliers in vector-valued function spaces and application, Trans. Natl. Acad. Sci. Azerb. Ser. Phys.-Tech. Math. Sci. Mathematics, 40 (4), 153-174 (2020).**

108. Shakhmurov V. B, Regularity properties of nonlocal fractional differential equations and applications, Geogian Mathematical Journal, V. 29, no 2, 2022 DOI: https://doi.org/10.1515/gmj-2021-2128.

109. (ESCI) Shakhmurov V.B., Sahmurova A., The local and global dynamics model of a cancer tumor growth, Differential Equations and Control Processes, accepted 2021.

110. Shakhmurov V. B., Integral problem for Schrödinger type equations with general elliptic part, J. Theoretical and Mathematical Physics 209:2 (2021), 1523-1536.

111. Shakhmurov V. B, The Cauchy problem for nonlocal abstract Schrodinger equations and applications, Analysis and Mathematical Physics, **11**, Article number: 147 (2021).

112. Shakhmurov V., Shahmurov. R., The improved abstract Boussinesq equations and application, Mediterranean Journal of Mathematics, (2021) DOI: , 18, Article No. 233. https://doi.org/10.1007/s00009-021-01874-7

113.Shakhmuro V.B, A. Sahmurova,The local and global dynamics model of a cancer tumor growth, Applicable Analysis, 2021, DOI : 10.1080/00036811.2021.1994955.

114. R. Agarwal, V. Shakhmurov, Integral type Cauchy problem for abstract wave equations with general elliptic part and applications, Applicable Analysis, 2021, DOI: 10.1080/00036811.2021.2021184.

115. V. Shakhmurov, R. Shahmurov, The regularity properties and blow-up of the solutions for improved Boussinesq equations, Electronic Journal of Qualitative Theory of Differential Equations (EJQTDE) (2021) No. 89, 1–21.

116. (SCI) V. Shakhmurov, V. Bayrak, R. Shahmurov, The regularity properties and blow-up of the solutions for nonlocal general wave equations, Journal of Differential Equations, (310) 15, 2022, 138-163.

117. SCI) V. Shakhmurov, Nonlocal abstract diffusion equations and applications, Izvestiya: Mathematics, 2022, Accepted.

118. (SCI) V. Shakhmurov, Navier-Stokes problems with small parameters in half space and application, Siberian Mathematical Journal, 2022, Accepted.

119. (ESCI) V. Shakhmurov, The quality and blow-up properties of integral type problems for wave equations and applications, Journal of Applied Mathematics and Physics, V.10 No.4, 2022 , 1217-1239, **DOI:** 10.4236/jamp.2022.104086.

120. (SCI) V. Shakhmurov, The Regularity Properties and Blow-up of Solutions for Nonlocal Wave Equations and Applications, Results in Mathematics 2022 accepted.

121. (SCI) V. Shakhmurov, Nonlocal fractional elliptic equations and applications, Numerical Methods for Partial Differential Equations 2022 accepted.

122. (SCI) V. Shakhmurov, Spectral properties of differential operators with discontinuous coefficients and applications, Publicationes Mathematicae Debrecen 2022 accepted.

123. (SCI) V. Shakhmurov, Maximal Lp−regularity of two−term fractional differential equations with boundary conditions, ***TWMS, 2022 Accepted.***

Recently submitted papers:

Shakhmurov V.B,

1).1709.09547 math.AP Multipoint Cauchy problem for nonlinear wave equations in vector-valued spaces

2) 1707.04492	math.AP	Nonlocal Cauchy problems for wave equations and applications
3)1707.01771	math.AP	Regularity properties of singular degenerate abstract differential equations and applications
4)1707.01376	math.AP	Singular degenerate problems and applications
5)1707.01374	math.AP	Mixed problems for degenerate abstract parabolic equations and applications
6)1706.07226	math.AP	Regularity properties of nonlinear Schr\"odinger equations in vector-valued spaces
7)1706.00814	math.AP	Free boundary value problems for abstract elliptic equations and applications
8)1706.00813	math.AP	The Cauchy problem for operator-Boussinesq equations
9)1706.00812	math.AP	Operator-valued multipliers in vector-valued weighted Besov spaces and applications
10)1706.00811	math.AP	Differential operators in exterior domain and application
11)1706.00810	math.AP	Singular perturbation for abstract elliptic equations and application

1706.00809	1706.00809	1706.00809
13)1706.00808	math.FA	Multipliers and embedding operators with application to abstract differential equat{\i}ons
14)1706.00807	math.AP	Hardy's uncertainty principle and unique continuation properties for abstract Schr\"odinger equations
15)1706.00806	math.AP	Morgan type uncertainty principle and unique continuation properties for abstract Schr\"odinger equations
16)1706.00805	math.AP	Separability properties of singular degenerate abstract differential operators and applications
17)1706.00803	math.AP	Pseudo-differential operators in vector-valued spaces and applications
18)1706.00802	math.AP	Navier-Stokes problems in half space with parameters
19) 1705.09091	math.FA	Embedding operators in Sobolev-Lions spaces and applications

20) https://arxiv.org/submit/2126388 On the dynamics of a cancer tumor growth model with multiphase structure.

21. https://arxiv.org/submit/2241790, Multipoint Cauchy problem for Schrödinger type equations with general elliptic part;

22. https://arxiv.org/submit/2241796, Multipoint Cauchy problem for abstract Schrödinger equations and applications.

22. https://arxiv.org/submit/2535547, The integral Cauchy problem for generalized Boussinesq equations with general leading parts

23. https://arxiv.org/submit/2218667, The dynamics of a cancer tumor growth with multiphase structure and chemotherapy treatment model.

24) https://arxiv.org/submit/2241814 The dynamics of a cancer tumor growth with multiphase structure and chemotherapy treatment model,

25) https://arxiv.org/submit/2420307 Multipoint Cauchy problem for Schrödinger type equations with gene elliptic part

26. https://arxiv.org/submit/2526862 Integral type Cauchy problems for wave equations

27. https://arxiv.org/submit/2526850 Nonlocal Cauchy problems for abstract wave equations and applicatio

28. https://arxiv.org/submit/2589522, The local and global dynamics of a general cancer tumor growth mo with multiphase structure.

29. https://arxiv.org/submit/2596266, Existence local and global solution of multipoint Cauchy problem nonlocal nonlinear equations.

30. https://arxiv.org/submit/2599285, Multipoint Cauchy problem for nonlocal nonlinear equations.

31. https://arxiv.org/submit/2632202, The existence and uniqueness for Cauchy problem for nonlocal abstr wave equations.

32. http://arxiv.org/abs/1906.00085, Unique continuation properties for Schroedinger operators in Hilb spaces.

33. http://arxiv.org/abs/1906.00083 Unique continuation properties for abstract Schroedinger equations and applications.

34. https://arxiv.org/submit/2811326, The Cauchy problem for nonlocal abstract Schrodınger equations.

35. https://arxiv.org/submit/2811513, The regularity properties of nonlocal abstract wave equations

36. https://arxiv.org/submit/2872135, Paley-Wiener type unique continuation properties for abstract Schrodinger equations and applications

37. https://arxiv.org/submit/2891432 Abstract elliptic and parabolic equatıons in Morrey spac and applications.

38. https://arxiv.org/submit/2896205, High order Navier-Stokes type problems with parameter in half space and applications.

39. https://arxiv.org/submit/2923682, Fractional abstract differential equatıons and applications

40. Separability properties of fractional abstract differential equatıons and applications , https://arxiv.org/submit/2948792.

41. The boundary conrollability for abstract wave equations and its applications https://arxiv.org/submit/2981905.

42. Nonlocal fractional differential equatıons and applications, https://arxiv.org/submit/298366

43. (with M. Kurulay) Nonlocal fractional elliptic equatıons and applications, https://arxiv.org/submit/2987299/view.

44. Regularity properties of nonlocal fractional differential equatıons in Besov spaces and applications, https://arxiv.org/submit/3048287.

45. Michaelis-Menten dynamics of a cancer tumor growth model with a drug term, https://arxiv.org/submit/3069317.

46. https://arxiv.org/submit/2218667, The dynamics of a cancer tumor growth with multiphase struct and chemotherapy treatment model.

47 https://arxiv.org/submit/2241814 The dynamics of a cancer tumor growth with multiphase struct and chemotherapy treatment model,

48. https://arxiv.org/submit/3271567 The regularity properties and blow-up for convolution wa equations and applications.

49. (with R. Shahmurov) The regularity and blow-up properties for abstract wave equations an applications.

50. https://arxiv.org/submit/3473332 Nonlocal fractional elliptic and parabolıc equatıons in Besov spaces and applications

51. https://arxiv.org/submit/3490008, The Cauchy problem for nonlocal abstract diffusion equations and applications

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

1 Isomorphism theorems for boundary value problems in Lp Mater.1. Resp. Science Conf. Azerb. Baku,1978

2 Normal solvability of general boundary value problems Mater.Inter.Confer."Theor.Operator.in Function spaces, Minski,1978

3 About one nonelliptic boundary value problems Mater. Resp. Konf. Inst. Math. Azerb. Baku1981, p.395-397

4 Embedding theorems in abstract spaces and applications, Proceed. Forth. Math. Conference, 1983, p. 261-264

5 Embedding theorems in Banach-valued function spaces and applications, International conference Function spaces, Differential operators, Nonlinear analysis, Slovak, 24.06-29.06.1988, Czechoslovak Republic, Prague

6 Separable differential opearators inanisotropic functional spaces, Embedding of differentiable functions and linear and nonlinear Differential operators, 1989, Baku

7 Embedding theorems in Banach-valued Liuoville- Sobolev Spaces and their applications, International conference Function spaces, Differential operator devoted 90 yearth of S M. Nikolskii 1995, Moscow

8 Embedding theorems in abstract B- spaces and their applications, Proceed. Resp. Math. Conference, 1993

9 Theorems on compactness of embedding operators in abstract anisotropic spaces, 1994

10 Coercive boundary value problems for strongly degenerate differential-operator equations in Banach-valued function spaces, Proceed. Resp. Math. Conference, 1997

11 Embedding theorems and applications International conference of function spaces, Differential operators, devoted to 75th birthday of L.D. Kuderyavtsev, 1998, Moscow

12 A fractional discrete lattice of Gabor expansion IEE Signal processing and applications, SIU-2000 SF-611-616

13 A fractional discrete Gabor transformations EEE, the 26-th Conf.an Acoustic ICASSP-2001, Salt Lake City, Utah. 2001

14 Embedding theorems in Banach-valued function spaces and their applications to coercive boundary value problems International Conference Function spaces, Differential operators, Nonlinear analysis Devoted 65 yearth birthday of H.Triebel, Germany, Göttingen, 2001

15 Coercive boundary value problems for regular degenerate equations 4-th International Conference Dynamical systems and applications, Atlanta, Georgia, 2003, USA, 21-24

16 Embedding operators and maximal regularity for differential-Operator equations in Banach-valued function spaces, International Workshop on Sampling Theory and Applications, Stroble, Salzburg, Austria, 26.5.2003-3.06.2003

17 Maximal regular boundary value problems in Banach-valued Weighed spaces International workshop on differential equations and Its applications, 15-17 09.2004, Istanbul

18 Embedding operators in Banach-valued function spaces and applications International conference Function spaces, Differential operators, Nonlinear analysis, Svartka, 27.05-2.06.2004, Czech Republic, Prague

19 Embedding operators in Banach-valued Besov spaces and optimal B-regular boundary value problems, International Conference SampTa05 (Sampling theory and applications), 10-15. 07. 2005, Samsun, Turkey

20 Regular and Singular degenerate boundary value problems, International conference Differential and Difference Equations, 1-5. 08. 2005, Florida, Melbourne, USA

22 Separable degenerate differential operators with parameters, International conference Operator theory, Analysis and Mathematical Physics (OTAMP-2006), 15-22 06 2006, Lund, Sweden

23 Embedding theorems in weighted vector-valued spaces and applications, International conference Function spaces, Differential operators, Nonlinear analysis, Baku, 1988

24 Maximal regular elliptic-convolution equations, Conference on Boundary Value Problems. Mathematical Models in Engineering, Biology and Medicine.

September 16-19, 2008, Santiago de Compostela, Spain

25 NONLINEAR PARABOLIC BOUNDARY VALUE PROBLEMS MODELLING ATMOSPHERIC DISPERSION OF POLLUTANTS, 6th European Conference on Elliptic and Parabolic Problems Serapo, Gaeta, Italy., 25-30 0.5.2009

26 SEPARABLE ABSTRACT ELLIPTIC EQUATIONS WITH PARAMETERS AND APPLICATIONS, 6th European Conference on Elliptic and Parabolic Problems, Serapo, Gaeta, Italy., 25-30 0.5.2009

28 SOME SPECTRAL PROPERSTIES OF LINEAR OPERATORS IN UMD SPACES AND APPLICATIONS, International conference of Mathematical Sciences 4-10 .8. 2009, Istanbul Maltepe ECTRAL PROPERSTIES OF LINEAR OPERATORS IN UMD SPACES AND

29 ANISOTROPIC ELLIPTIC EQUATIONS WITH VMO COEFFICIENTS AND APPLICATIONS, International Congress in Honour of Professor H. M. Srivastava on his 70th Birth Anniversary" between August 18-21, 2010.

30 ANISOTROPIC ELLIPTIC EQUATIONS WITH VMO COEFFICIENTS AND APPLICATIONS, International Congress in Honour of Professor H. M. Srivastava on his 70th Birth Anniversary" between August 18-21, Bursa, 2010.

31 PARABOLIIC PROBLEMS WITH PARAMETERS ARISING IN EVOLUTION MODEL FOR PHYTOREMEDIATION, 8th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM 2010), Island of Rhodes, Greece the Hotel Rodos Palace, 19-25 September 2010

32 OPTIMAL REGULAR DIFFERENTIAL OPERATORS WITH VMO COEFFICIENTS AND APPLICATIONS, 8th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM 2010), Island of Rhodes, Greece the Hotel Rodos Palace, 19-25 September 2010.

33 SINCULAR DEGENERATE SEPARABLE DIFFERENTIAL OPERATORS AND APPLICATIONS, Operators in Morrey-Type spaces and Applications, (OMTSA-2011) dedicated to 70th Birthday of professor Victor I. Burenkov, 20-27 may 2011, Kirsehir, Turkey.

34 Carleman estimates and unique continuation properties for abstract elliptic operators, The 24.th ınternational Conference of Jangjeon Mathematical Society, july 20-23, 2011 Konya, Turkey.

35 (vith Aida Sahmurova) Abstract anisotropic parabolic problems with parametyers and applications, The 24.th ınternational Conference of Jangjeon Mathematical Society, july 20-23, 2011 Konya, Turkey.

36 SEPARABLE DIFFERENTIAL OPERATORS IN BANACH SPACES AND APPLICATIONS, IWOTA 2011 3-9. 08. 2011, Universite of Sevilla

37 SINGULAR DEGENERATE PROBLEMS OCCURRING IN ATMOSPHERIC DISPERSION OF POLLUTANTS, IWOTA 2011 3-9. 08. 2011, Universite of Sevilla

38 Carleman estimates and unique continuation for abstract elliptic equations, 9th International Conference of Numerical Analysis and Applied Mathematics, ICNAAM 2011, Halidiki, Greece, 19-25 September.

39 Degenerate anisotropic parabolic problems occurring atmospheric dispersion of pollutants, 9th International Conference of Numerical Analysis and Applied Mathematics, ICNAAM 2011, Halidiki, Greece, 19-25 September.

40 Linear and nonlinear abstract elliptic equations with VMO coefficients and applications, , International Conference on applied analysis and algebra (ICAAA2012), Yıldız Technical University, Putra University of Malaysia, and Fatih University will be held on 20-24 June Istanbul, Turkey.

41 Parameter dependent Navier-Stokes like problem, ICNAAM 2012, 19-25.09.2012 Greece, Kos.

42 Parabolic Problems with Parameter Occuring in Environmental Engineering, ICNAAM 2012, 19-25.09. 2012 Greece, Kos.

43 Optimal regular operators with variable coefficients and applications, International Congress in Honour of Professor Hari M. Srivastava, 23-26 08. 2012 in the Auditorium at the campus of Uludag University, Bursa-TURKEY.

44 Singular degenerate problems occuring biosorption prossess, International Congress in Honour of Professor Hari M. Srivastava, 23-26 08. 2012 in the Auditorium at the campus of Uludag University, Bursa-TURKEY.

45 Linear and nonlinear degenerate problems in Banach spaces, International conference on theory, method and applications of nonlinear equations, 17-21.12.2012, Kingsville, Texas, USA.

46 (with Aida Sahmurova) Nonlocal Novier-Stokes problems with small parameters, International conference on theory, method and applications of nonlinear equations, 17-21.12.2012 , Kingsville, Texas, USA.

47 Stokes operators with variable coefficients and applications, International Conference on applied analysis and algebra (ICAAA2013), Yıldız Technical University, Putra University of Malaysia, and Fatih University will be held on 2-5 June Istanbul, Turkey.

48 Abstract elliptic operators appering in atmospheric dispersion of pollutants (with Aida Sahmurova) International Conference on applied analysis and algebra (ICAAA2013), Yıldız Technical University, Putra University of Malaysia, and Fatih University will be held on 2-5 June Istanbul.

49 (with Aida Sahmurova) Linear and nonlinear degenerate equations appearing in atmospheric dispersion of pollutants, International Conference , Anatolian Communications in Nonlinear Analysis 2013, 3-6.08.2013, Bolu.

50 Abstract Novier-Stokes problems and applications, International Conference , Anatolian Communications in Nonlinear Analysis 2013, 3-6.08.2013, Bolu.

51 (with Asuman Mert Ozer) Maximal regularity properties of Agranovich-Vishik type abstract elliptic operators on half plane, International Conference , Anatolian Communications in Nonlinear Analysis 2013, 3-6.08.2013, Bolu.

52 Maksimal regularity properties of degenerate abstract evolution equations and applications, Conference “Resent trends in nonlinear evolution equations”, 3-8 april, 2016 , Marseille, France.

53 Unique continuation properties for abstract Schrödinger equations and applications, 3rd International Conference on Pure and Applied Science, Dubai, 3-6.02. 2017

54 The dynamics of a tumor growth model with multiphase structure,22nd World Multiconference on Systemics, Cybernetics and Informatics (WMSCI 2018), to be held in Orlando, USA, on July 8-11, 2018.

55 Nonlocal abstract Bossinesq equations,The 7th International Conference on Control and Optimization with Industrial Applications 26-28 August 2020, Baku, Azerbaijan

56 Veli Shakhmurov (with Aida Sahmurova), Local and global dynamics of a cancer tumor growth model with multipoint structure, ICFAS2020, 5 October 2020.

57 *Veli Shakhmurov (with Muhammad Kurulay, Aida Sahmurova),* A DYNAMIC MODEL DESCRIBING OF INTERACTION OF CORONO VIRUS IN CANCER, ICFAS2020, 5 October 2020.

58 Veli Shakhmurov, Degenerate differential operators and applications, ICFAS2020, 5 October 2020.

59. Veli Shakhmurov, Local and global dynamics of mathematical model for cancer growth model with a drug term, Fifth International Conference of Mathematical Sciences (ICMS 2021), 23 -27.06. 2021 Maltepe University, Istanbul, Turkey, P. 30.
60. Veli Shakhmurov, The nonlocal abstract Schrodinger equations and application, P.69, Fifth International Conference of Mathematical Sciences (ICMS 2021), 23-27.06. 2021 Maltepe University, Istanbul, Turkey, P.69.
60.Veli Shakhmurov, Regularity properties of nonlocal abstract wave equations and applications, Euro Asia 9th. International Congress on Applied Sciences, which will be held in on August 11-12, in Erzurum, Turkey.

61.Veli Shakhmurov, ***Morgan Type Unıque Continuation Properties For Abstract Schrodinger Equations And Application,*** *21-22 .08. 2021 in Istanbul, 1. International Marmara scientific research and innovation congers, 21-22.08. 2021, Istanbul.*

62. Veli Shahmurov, THE L^{p} REGULARITY PROPERTIES OF NONLOCAL ABSTRACT EVALUATION EQUATIONS AND APPLICATIONS, ICFAS 2021, Antalya 19-21.2021.

63. Veli Shahmurov, MICHAELIS-MENTEN DYNAMICS OF A CANCER TUMOR GROWTH MODEL WITH A DRUG TERM, ICFAS 19-21.10.2021.

64. Veli Shahmurov, Qualitative properties of nonlocal abstract wave equations and applications Qualitative properties, Karabakh 2. International Congress of applied Mathematics sciences, 8.-10. 2021, Azerbaijcan.

65. Veli Shahmurov, Kinetic maximal L^{p}-regularity for nonlocal Kolmogorov equation and application, 7th International **Erciyes Conference** on Scientific Researches, March 9-10, 2022 Kayseri, Turkey.

66. Veli Shahmurov, QUALITY PROPERTIES OF LINEAR AND NONLINEAR ABSTRACT SCHRÖDINGER EQUATIONS AND APPLICATIONS, 4. INTERNATIONAL PALANDOKEN SCIENTIFIC STUDIES CONGRESS 28-29 APRIL 2022/ERZURUM.

67.Veli Shahmurov, Kinetic L^{p}-separability for nonlocal Kolmogorov equations and application, International Modern Scientific research Congres-3, May 06-08, 2022, Istanbul Gedik University, Istanbul, Turkey.

68. Veli Shahmurov, The Lp -regualarity properties of integral problems for wave equations " that you have sent to the " 2. INTERNATIONAL MEDITERRANEAN SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, 30-31 JULY 2022 KIBRIS.

69. Veli Shahmurov, The nonlocal abstract Schrodinger equations and applications, ISFAS-2022, 19-21 haziran, Istanbul 2022.

7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

1 Shakhmurov V. B., Coercive solvability of boundary value problems for partial differential-operator equations of some class, Doklady Akademii Nauk Azerbaijan USSR, (6), 1978, 3-7.

2 Shakhmurov V. B. (with Yakubov S. Y.), The embedding and trace theorems in the anisotropic spac of vector-functions, Doklady Akademii Nauk Azerbaijan USSR , (11), 1977, 15-18

3 Shakhmurov V. B., Coercive solvability of boundary value problems for elliptic differential-operato equations, (1905-79), BINITI, 1979.

4 Shakhmurov V. B., Coercive solvability of boundary value problems for differential-operator equati on R, Manuscript (1684-90), BINITI, 1980.

5 Shakhmurov V. B., The Fredholm properties of general boundary value problems for differential-op equations in partial derivatives, Izvestya Akademii Nauk Azerbaijan USSR, Mat. (2) 1981, 32-36.

6 Shakhmurov V. B., The completeness of the system of eigen and adjoin vectors of nonlocal boundar value problems for quasi elliptic differential-operator equations in partial derivatives, Proceeding of Theory operators in function spaces, Baku, 202-209, 1982.

7 Shakhmurov V. B., Theorems about an isomorphism general boundary value problems for differential-operator equations in Banach spaces, (3799-27), VINITI, 1982.

8 Shakhmurov V. B., The completeness of the systems of eigen and adjoint vectors of boundary value problems for elliptic differential operator equations in partial derivatives, Izvestya Akademii Nauk Azerbaijan USSR, (1) 1983, 21-28.

9 Shakhmurov V. B., Fredholm properties of general boundary value problems of elliptic equations wi nonselfedjoint operator coefficients, Doklady Akademii Nauk Azerbaijan USSR, (7) 1983.

10 Shakhmurov V. B., Fredholm properties of general boundary value problems for quasi elliptic equa with operator coefficients depending on variables, Doklady Akademii Nauk Azerbaican SSR, (8) 198 7-10.

11 Shakhmurov V. B., Theorems of on nuclearity of embedding operators in abstract anisotropic spac Doklady Akademii Nauk Azerbaijan USSR, (11), 1984.

12 Shakhmurov V. B., The coercive solvability of boundary value problems for degenerating different operator equations, Doklady Akademii Nauk Azerbaijan USSR, (12), 1984.

13 Shakhmurov V. B. (with K. Kerimov), Coercive solvability of boundary value problems for differe

operator equations on R+, Manuscript (1685-90), BINITI, 1985.

14 Shakhmurov V. B., Coercive boundary problems for degenerated equations in the half space, Izves Akademii Nauk Azerbaijan USSR (6), 1985, 8-11.

15 Shakhmurov V. B., Coercive boundary value problems for degenerating equations in the half space, Akademii Nauk Azerbaijan USSR, (3), 1987.

16 Shakhmurov V. B., The embedding theorems for class of vector –functions, Doklady Akademii Nauk Azerbaijan USSR, (4), 1987.

17 Shakhmurov V. B., Embedding theorems for class vector-valued functions, Doklady Akademii Nauk Azerbaijan USSR, (3), 6-9, 1987.

18 Shakhmurov V. B. (with Lizorkin P. I.), Boundedness of embedding operators in Sobolev weighted abstract functions spaces and their applications to differential equations, Proceed. University of P. Lmumba, Moscow, 1992.

19 Shakhmurov V. B., Coercive problems for quasi elliptic partial differential-operator equations, Manuscript no (2579-93), VINITI, 1993.

20 Shakhmurov V. B., The embedding theorems in weight abstract anisotropic spaces, Theory linear and non-linear operator equations, Proceed. Inst. Doklady Akademii Nauk USSR, 1994.

21 Shakhmurov V. B., Embedding theorems in abstract B-spaces and their applications, Proceeding of Azerbaijan Math. Society, 1994,103-106.

22 Shakhmurov V. B. (with H. Akcha, G. Arslan.), Differential-operator equations with bounded delay, Nonlinear Times and Digest (2), 1995, 179-190.

23 Shakhmurov V. B., Embedding theorems in Banach valued Liuvill-Sobolev spaces and their applications, Journal of Electrical and Electronics, (2), 2002, 575-591.

24 Shakhmurov V. B. (with A. Zayed), Fractional Wigner and Ambiguity functions, Fractional calculus and applied analysis, 6(4), 2003, 473-490.

25 Shakhmurov V. B., Fractional Weyl-Heisenberg frames and applications, Sampling theory in signal and image Processing, 3 (3), 2004, 227-257.

26 Shakhmurov V. B. (with., Jebrailov M. S.), About compactness of an embedding B-spaces, Doklady Akademii Nauk Azerbajican, SSR, (3), 1990.

27 Shakhmurov V. B., Boundary value problems for differential-operator equations with parameter, Archive of inequalities and applications, (1) 2004, 159-162.

28 Shakhmurov V. B., Regular and singular degenerate boundary value problems in Banach-valued function spaces, Proceeding of the conference Differential & Difference equations and Applications, Hindavi Publishing Corporation, USA, 2006, 1-10.

29 Shakhmurov V. B., Coercive boundary value problems for regular degenerate equations,

Proceedings of Dynamical Systems and applications (4) 2004, 452-458.

30 Shakhmurov V. B., Singular perturbations for abstract elliptic operators and applications, TWMS, Journal of Applied Mathematics, V. 2, no 1, 2012, p. 19-34

31 Shakhmurov V.B. (with A. Sahmurova), Degenerate abstract parabolic equations and applications, Communications in Mathematical Analysis, (2015) 18 (2), 15–35.

32 Shakhmurov V. B.(with H. Demir), A rectangular time-frequency lattice of Gabor Expansion, Journal of Electrical and Electronics (2),2002, 541-545.

7.4. Yazılan uluslararası kitaplar veya kitaplarda bölümler

1. Linear Algebra 1999, Istanbul, Papatya

2. Applications of Linear Algebra 2000, İstanbul, Papatya.

3. Linear Algebra and Applications 2009, Istanbul Okan University.

4. Modern Linear Algebra and Applications, 2014, Istanbul Okan University

5. Linear Algbera and application, Lambert Academic Publishing 2012 USA.

7.5. Ulusal hakemli dergilerde yayınlanan makaleler

7.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

7.7. Diğer yayınlar

8. Projeler

Projects in Istanbul University:

1.	Multi wavelets transformations and applications	BYP-55/23012003
2	Boundary value problems for regular degenerate differential Operator equations	BYP-537/24112004
3	Embedding theorems in Banach-valued function spaces	UDP-227/18022004
4	Regular and singular degenerate Boundary value problems in Banach- valued spaces.	UDP-543/17062005

5	Embedding operators and Maximal regular differential operators.	BYP-7941710022005
6	Separable anisotropic differential operators with parameters and applications	UDP-748/11052006
7	Maximal B-regular boundary value problems with parameters	BYP-39/30102006
8.	Separable anisotropic differential operators and applications	BYP-1133/2.05.2007
9	Embedding and maximal regular differential operators in Sobolev-Lions spaces	BYP-1134/2.05.2007
10	Nonlinear abstract boundary value problems in vector-valued function spaces and applications	BYP-1135/2.05.2007

9. Referanslar: 1120

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

Editor of the following journals:

1. Boundary Value Problems, USA, Springer (2008-2020).
2. Journal of abstract differential equations and applications, USA, Math. Research. Publ.
3. Mathematics and statistics, USA, Horizon Research Publishing;
4. Applied Mathematics, TWMS

11. Ödüller

1) Science prize of Okan University (2012)

2) Several awards from Istanbul University

3) Okan University and TUBITAK prizes for papers which have been published in SCI journals, between 1997 to 2020.

12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2018	Güz	Temel Math Math 113	12		250
	İlkbahar	Math 114 Math 216	12		270
2019	Güz	Temel Math Math 114	12		240
	İlkbahar	Math 114 Math 216	12		260

Not: Açılmışsa, yaz döneminde verilen dersler de tabloya ilave edilecektir.