

**The List of Publications of Prof. Sh. Ayupov
(Classified)**

Refereed journals

1. Krein-Milman theorem in locally K-convex spaces. *Doklady AN UzSSR*, #5, 1974, 3-5.
2. A topology in unital K-spaces. *Doklady AN UzSSR*, #1, 1975, 9-10 (Hadjiev J. coauthor).,
3. T^m -topological Boolean algebras. *Doklady AN UzSSR*, #9, 1975, 9-10.
4. Linear-topological spaces. *Doklady AN UzSSR*, #1, 1976, 7-9.
5. Tychonov rings, their homomorphisms and modules. *Doklady AN UzSSR*, #6, 1976, 6-7.
6. Topology of C-convergence in semifields, *Izvestia AN UzSSR*, #5, 1976, 3-7.
7. Homomorphisms of a class of rings and two-valued measures on Boolean algebras. *Functional Analysis and its Appl.* 1977, v.11, N3, 68-69 (Russian).
8. Ergodic theorem in O^* -algebras. *Doklady AN UzSSR*, #3, 1977, 3-4.
9. Ergodic theorem for Markov chains on O^* -algebras. *Doklady AN UzSSR*, #7, 1978, 11-13.
10. Regularity of Markov chains on O^* -algebras. *Doklady AN UzSSR*, #4, 1979, 3-5.
11. On the theory of partially ordered Jordan algebras. *Doklady AN UzSSR*, #7, 1979, 6-8.
12. Spectral theorem for OJ-algebras. *Doklady AN UzSSR*, #9, 1979, 3-5.
13. Partially ordered Jordan algebras. (with T. A. Sarymsakov). *Dokl. AN SSSR*, 1979, v.249, N4, 789-792.
14. Topological partially ordered Jordan algebras. *Uspekhi Mat. Nauk* (Moscow), 1980, v.35, N3, 138-140.
15. OJ-algebras of bounded elements. *Izvestia AN UzSSR*, #2, 1980, 3-8.
16. Matrix OJ-algebras. *Doklady AN UzSSR*, #5, 1980, 3-8.
17. Normal states on OJB-algebras. *Izvestia AN UzSSR*, #3, 1980, 9-13.
18. Ergodic type theorem in Jordan algebras. *Izvestia AN UzSSR*, #6, 1980, 10-16.
19. R-topology in OJ-algebras. *Doklady AN UzSSR*, #8, 1980, (Sh. M. Usmanov – coauthor).

20. On homogeneous Markov chains on semifields. *Probability Theory and its Appl.* (Moscow) v.26, #3, 1981, 4521-531 (T. A. Sarymsakov coauthor).
21. Conditional expectations and martingales on Jordan algebras. *Doklady AN UzSSR*, #10, 1981, 3-5.
22. Jordan algebras of measurable operators. *Izvestia AN UzSSR*, #5, 1981, 3-6.
23. Mean ergodic theorem in Jordan algebras. *Uspekhi Mat. Nauk* (Moscow), 1981, v.36, N6, 201-202.
24. Ergodic theorems in Jordan algebras of measurable elements – *Analele Univ. Craiova (Romania) Ser. Mat. Fiz.-Chim.* V.9, 1981, 22-28.
25. Martingale convergence and strong laws of large numbers in Jordan algebras. *Ibid.* 29-36.
26. Ergodic theorems for Markov operators in Jordan algebras I. *Izvestia AN UzSSR*, Ser. Fiz. Mat. N3, 1982.
27. Order properties of Jordan algebras. *Doklady AN UzSSR*, #9, 1982, 3-4. (Khalmatov R. R. – coauthor).
28. Extension of traces and type criterions for Jordan algebras of self-adjoint operators. *Math. Zeitschrift*, 181, 1982, 253-268.
29. Modular Jordan algebras of self-adjoint operators. *Theor. and Math. Phys.* (Moscow) 33, 1982, N1, 77-82.
30. On a construction of Jordan algebras of self-adjoint operators. *Doklady AN SSSR*, v.267, #3, 1982, 521-524.
31. Ergodic theorems for Markov operators on Jordan algebras II. *Izvestia AN UzSSR*, #5, 1982, 7-12.
32. Types of Jordan algebras of self-adjoint operators and their enveloping von Neumann algebras. *Functional Analysis and its Applications* v.17, #1, 1983, 65-66.
33. Integration of Jordan algebras. *Izvestia AN SSSR* (Moscow), Ser. Mat. V.47, #1, 3-25.
34. Martingale convergence theorems and strong laws of large numbers in Jordan algebras. *Izvestia AN UzSSR*, #2, 1983, 3-7.
35. Locally measurable operators for JW-algebras and representation of ordered Jordan algebras. *Izvestia AN SSSR* (Moscow) Ser. Mat. V.48, #2, 1984, 211-236.
36. Classification of injective factors. *Functional Analysis and its Appl.* v.18, #3, 1984, 68-69.
37. On existence of Jordan algebras of self-adjoint operators of the given type. *Siberian Math. J.* v.25, #5, 1984, 3-8.
38. Modularity and ergodicity in Jordan Algebras. *Izvestia AN UzSSR*, #6, 1984, 7-12.
39. JW-factors and anti-automorphisms of von Neumann algebras. *Izvestia AN SSSR*, (Moscow) Ser. Mat., 49, 1985, N1, 211-220.

40. The Radon-Nikodym theorem of weights on semi-finite JBW-algebras. *Math. Zeitschrift*, 1988, 1985, 475-484. (with R. Z. Abdullaev).
41. Compatibility of elements in Jordan algebras. *Mat. Zametki* (Moscow), 37, 1985, N3, 305-312 (with V. N. Zhelyabin).
42. Radon-Nikodym theorems for positive linear functionals on JBW-algebras. *Izvestia AN UzSSR*, #3, 1985, 3-4.
43. Modular properties of G-finite JBW-algebras. *Doklady AN UzSSR*, #10, 1985, 3-4 (F. Zakirov – coauthor).
44. A decomposition theorem for measures on JBW-algebras and its application to Markov operators. *Doklady AN UzSSR*, #11, 1985, 3-4 (T. A. Sarymsakov, A. Adizov coauthors).
45. Measures on projections and states on JBW-algebras. *Doklady AN UzSSR*, #1, 1986, 3-4 (A. Adizov author).
46. Actions of compact groups on JBW-algebras. *Izvestia AN UzSSR*, #3, 1986, 8-11 (F. Zakirov coauthor).
47. On existence of a trace on ordered algebras with p-additive norm. *Doklady AN UzSSR* (M. Goldstein, B. Tadjibaev coauthors).
48. Singular measures on idempotents of JBW-algebras. *Izvestia AN UzSSR*, #6, 1986, 6-9 (A. Adizov coauthor).
49. Traces on JW-algebras and enveloping W^* -algebras. *Math. Zeitschrift*, 194, 1987, 15-23.
50. Isometries of non-associative L_p -spaces. *Izvestia AN UzSSR*, #5, 1987, 8-12.
51. Non commutative Choquet theory for measures on faces of convex sets. *Izvestia AN UzSSR*, #6, 1988, 3-7.
52. On existence of trace on modular JW-factor. *Uspekhi Mat. Nauk, Moscow*, v.44, #1 (265), 1989, 183-184.
53. Diameters of the state spaces of Jordan Banach Algebras *Izvestia AN SSSR* (Moscow) Ser. Mat. v.53, #2, 1989, 227-242 (Sh. M. Usmanov coauthor).
54. A new proof of the existence of traces on Jordan operator algebras and real von Neumann algebras. *J. of Functional Analysis*, 84, 1989, N2, 312-321.
55. Spectral convex sets in finite dimensional spaces. *Izvestia AN UzSSR*, #3, 1989, 3-7 (N. Yadgorov coauthor).
56. Properties of spectral convex sets. *Doklady AN UzSSR*, #7, 1989, 3-4 (N. Yadgorov coauthor).
57. Duality of ordered spaces and a characterization of projective units. *Izvestia AN UzSSR*, #6, 1989, 13-19 (N. Yadgorov coauthor).
58. Isometries of non associative L_p -spaces. Quantum Probability and Appl. IV *Lect. Notes Math.* 1396, 1989, 99-106 (R. Z. Abdullaev coauthor).
59. Geometry of the state space of finite dimensional Jordan algebras. *Izvestia AN UzSSR*, #3, 1990, 19-22 (B. Iochum, N. Yadgorov coauthor).

60. Symmetry versus facial homogeneity for self-dual cones. *Linear Algebra and its Appl.*, 142, 1990, 83-89 (with B. Iochum and N. Yadgorov).
61. Linearity of multiplication maps of Jordan Banach algebras. *Doklady AN UzSSR*, #10, 1990, 5-6 (A. Adizov coauthor).
62. Isometassociative L_p -spaces. *Doklady AN UzSSR*, #11, 1990, 3-4 (R. Z. Abdullaev coauthor).
63. Linearity of multiplication maps of JBW-factors of type I. *Izvestia AN UzSSR*, #6, 1990, 11-16 (A. Adizov coauthor).
64. Lie and Jordan structures on finite factors. *Uzbek Math. Journal*, #1, 1991, 11-16 (B. Tadjibaev coauthor).
65. Conditional expectations on spin factors. *Uzbek. Math. J.*, #3, 1991, 7-10 (E. Azizov, M. Berdikulov coauthors).
66. On existence of conditional expectations on Jordan operator algebras. *ibid.* 11-14 (E. Azizov, Sh. M. Usmanov coauthor).
67. Center-valued traces on JW-algebras and enveloping von Neumann algebras. *Doklady AN UzSSR*, #8, 1991, 3-4 (R. Z. Abdullaev coauthor).
68. Multiplicative maps of ordered Jordan algebras. *Math. Zametki* (Moscow), 51, 1992, N2, 3-8 (Adizov A., Zhelyabin V. coauthor).
69. Anti-automorphisms and Lie structures in factors. *Uzbek Math. Journal*, #2, 1992, 8-13.
70. On center-valued traces on real operator algebras. *Functional Analysis and its Appl.* 26, 1992, N2, 1-9.
71. Commutative EW[#]-algebras. *Doklady AN RUz*, #1, 1992, 3-4 (A. Alimov coauthor).
72. On extreme points of projective convex sets. *Doklady AN RUz*, #2, 1992, 5-7 (N. Yadgorov coauthor).
73. Lie groups and algebras, associated with anti-automorphisms of von Neumann algebras. *Doklady AN RUz*, #3, 1992, 3-5 (B. Tadjibaev coauthor).
74. p -Adic Hilbert spaces and non-Archimedean C^* -algebras. *Uzbek Math. Journal*, #3, 1992, 32-41 (R. Turgunbaev coauthor).
75. Derivations on real von Neumann algebras. *Dokl. AN RUz*, 1992, N4-5, 3-5 (I. Z. Abdullaev coauthor).
76. Derivations on EW[#]-algebras. *Doklady AN RUz*, #1 1993, 3-4 (A. Alimov coauthor).
77. Geometry of the state spaces of modular Jordan algebras. *Izvestia Russian Akad. Sci.* v.57, #6, 1993, 199-211 (N. Yadgorov coauthor).
78. Two valued measures on projections of p – adic Hilbert spaces. *Dokl. AN RUz*, №8, 1993, 6-9 (Turgunbaev R.).
79. On isomorphisms of Lie operator algebras. *Uzbek Math. Journal* #3, 1993, 3-5.
80. Commutators in real von Neumann algebras and tracial properties of states. *Uzbek Math. Journal*, #1 1994, 3-7.

81. Type I_n order unit spaces with Banach ball property. *Dokl. AN RUz*, 1994, N10, 1-3 (with Berdikulov M. A.)
82. Isomorphisms of Lie operator algebras. *Uzbek Math. Journal*, #3, 1994, 47-53.
83. Ulugh Beg's school and its role in the history of mathematics of Islamic countries. *Uzbek Math. Journal*, #4, 1994 (G. Matvievsckaya coauthor).
84. Anti-automorphisms of Factors and Lie operator algebras. *Quarterly J. Math. Oxford ser (2)*, 1995, v.46, 129-140
85. Skew commutators and Lie isomorphisms in real von Neumann algebras. *J. of Functional Analysis*, 1996, v.138, N1, 170-187.
86. Commutators and Lie isomorphisms of Skew elements in prime operator algebras. *Communications in Algebra*, 1996, v.24, N4, 1501-1520 (N. Azamov coauthor).
87. Isomorphism between the associative and non-associative L_p - spaces of type II_1 hyperfinite factors. *Math. Scand.* 1996, v.78, 271-285 (S. V. Ferleger and F. A. Sukochev coauthors).
88. Tracial properties of states on real von Neumann algebras. *Doklady AN RUz* , #7, 1997, 3-5.
89. On a case of degeneration of Leibniz Algebras. *Doklady AN RUz* , #6, 1997, 3-6. (B. Omirov coauthor).
90. On tracial properties of states on real von Neumann algebras. *Uzbek Math. Journal*. #2, 1998.
91. Arens Algebras on Jordan operator algebras and enveloping von Neumann algebras. *Uzbek Math. Journal* #3, 1998, 11-17 (R. Abdullaev coauthor).
92. On skew commutators in real factors *Izvestia Vuzov*, (Tashkent), #1-4, 41-46 (N. Azamov coauthor).
93. Description of finite dimensional nilpotent complex Leibniz algebras with maximal nilindex. *Doklady AN RUz*, #2, 1999, 3-6 (B. Omirov coauthor).
94. On 3-dimensional Leibniz algebras. *Uzbek Math. Journal*, #1, 1999, 9-14 (B. Omirov coauthor).
95. On non-Archimedean C^* -algebras. *Doklady AN RUz* , #1, 1999, 6-9 (R. Turgunbaev coauthor).
96. Derivation on algebras of measurable operators. *Doklady AN RUz* , #3, 2000, 14-17.
97. On some classes of Nilpotent Leibniz algebras. *Siberian Math. Journal*, 2001, v. 42, #1, 18-29 (B. Omirov coauthor).
98. Representation of skew elements in von Neumann algebras by skew commutators. *Functional Analysis and its Applications*, 2001, v. 35, #3, 75-77 (N. Azamov coauthor).
99. Description of real von Neumann algebras with Abelian skew symmetric part. *Functional Analysis and its Applications*. 2002, v. 36, #2, 75-77.

100. Real W^* -algebras with Abelian symmetric part. *Mathematical Notes*, 2002, v. 71, #3, 473-476 (A. Rahimov, A. Abduvaitov coauthors)
101. On W^* -embedding of real AW^* -algebras. *Doklady AN RUz*, 2003, No.2, p. 3-7.
102. To the theory of real O^* -algebras. *Uzbek Math. Journal*, 2003, No.1, 16-24 (R.Dadakhodjaev coauthor).
103. Real O^* -algebras and their complexifications. *Doklady AN RUz*, 2003, No.3, 6-10 (R.Dadakhodjaev coauthor).
104. The nilpotency properties of the Leibniz algebra $M_n(C)_D$. *Siberian Mathematical Journal*, vol.45, No 3 , 2004, 399-409 (B.Omirov coauthor).
105. Description of Real AW^* -Factors of Type I. *Mathematical Notes* 76(2004), No.3 , 323-328.
106. Real AW^* -algebras of type I. *Functional Analysis and it's Appl.* 38(2004), 79-81.
107. On coincidence of types of a real AW^* -algebra and its complexification. *Izvestia RAN*, 68 (2004), №5, 3-12.(S. Albeverio, A.Abduvaitov coauthors).
108. On one property of a real AW^* -algebra of type II_1 . *Dokl. AN RUz*, 2004, № 2, 3-6 (A.Abduvaitov coauthor).
109. On nilpotent and simple Leibniz algebras. *Communications in Algebra*. 33(2005),159-172, (S. Albeverio, B.A. Omirov coauthors).
110. Problems of probability theory on order unit spaces. *Vladicaucas Math. Journal*, 7(2005), No 11, 1 – 26 (M.A.Berdikulov coauthor).
111. On real AW^* -algebras. *Methods of. Functional Analysis and Topology*,11(2005),No2 ,(S. Albeverio, A. Abduvaitov coauthors)
112. Cartan Subalgebras,Weight Spaces,and Criterion of Solvability of Finite Dimensional Leibniz Algebras. *Revista Matematica Complutense* . 19 (2006), No 1 , 183 - 195 (S.Albeverio, B.A.Omirov coauthors).
113. Derivations and automorphisms of algebras of unbounded operators over the ring of measurable functions. *Uzbek Math. Journal*, 2006, No1, 28-42 (A.A.Zaitov,J.E.Ruziev coauthors).
114. Maximal real von Neumann algebras on a Hilbert space. *Uzbek Math. Journal*, 2006, No 3, 7-12 (F.N.Arzikulov coauthor).
115. On partially ordered real involutory algebras. *Acta Applicandae Mathematicae*, 94(2006), No3, 195-214 (S.Albeverio,R.A.Dadakhodjayev coauthors).
116. Uniform bounded ness principle for weakly additive operators. *Uzbek Math. Journal*, 2006, No 4, 3-10 (A.A.Zaitov coauthor).
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118. Weakly additive functionals on linear spaces. *Dokl. AN RUz*, 2006, № 4-5, 7-12 (A.A.Zaitov coauthor).

119. Derivations of non commutative Arens algebras. *Functional Analysis and its Applications*, 41 (2007), No.4, 70-72 (K.K.Kudaybergenov).
120. Derivations of C^* -algebras over the ring of measurable functions. *Uzbek Math. Journal*, 2007 No 1, 39-47 (K.K.Kudaybrgenov).
121. Non commutative Arens algebras and their Derivations. *J. Functional Analysis*, 253(2007), No1, 287-302 (S.Albeverio, K.K.Kudaybergenov coauthors).
122. *-Automorphisms of Arens algebras affiliated with type I von Neumann algebras. *Uzbek Math.Journal*, 2007, No 4, 9-17 (K.K.Kudaybergenov, T.S.Kalandarov coauthors).
123. n-Dimensional filiform Leibniz algebras of length (n-1) and their derivations. *Journal of Algebra*, 319 (2008), 2471-2488 (S.Albeverio, B.A.Omirov, A.Kh.Khudoyberdiyev coauthors).
124. Innerness of Derivations on Subalgebras of Measurable Operators. *Lobachevskii Journal of Mathematics*, 29(2008), No. 2, 60-67 (K.K.Kudaybergenov coauthor).
125. Derivations on the Algebra of tau-Compact Operators Affiliated with a Type I von Neumann Algebra. *POSITIVITY*, 12(2008), No. 2, 375-386 (S.Albeverio, K.K.Kudaybergenov coauthors).
126. Derivations on Algebras of Measurable Operators affiliated with type I von Neumann Algebras. *Siberian Advances in Math.*, 2 (2008), No. 2, 86-94 (S.Albeverio, K.K.Kudaybergenov coauthors).
127. On certain properties of the spaces of order-preserving functionals. *Topology and its Applications*, 155 (2008), No16, 692-799 (S.Albeverio, A.A.Zaitov coauthor).
128. The classification of filiform Leibniz superalgebras of nilindex $n+m$. *Acta Mathematica Sinica*, 25(2009), No 2, 171-190. (B.A.Omirov, A.Kh.Khudoyberdiyev coauthors).
129. Structure of derivations on various algebras of measurable operators for type I von Neumann algebras. *J. of Functional Analysis*, 256 (2009), 2917-2943, (S.Albeverio, K.K.Kudaybergenov coauthors).
130. Cartan subalgebras of Leibniz n-algebras, *Communications in Algebra*, 37(2009), No 6, 2080-2096 (S.Albeverio, B.A.Omirov, R.M. Turdibaev coauthors).
131. Description of Derivations on Algebras of Locally Measurable Operators of Type I. *Extracta Mathematicae* 24(2009), No 1, 1-15 (S.Albeverio, K.K.Kudaybergenov coauthors).
132. The functor of weakly additive tau-smooth functionals and mappings. *Ukraine Math. Journal*, 2009, v. 61, No. 9, 1167-1173 (A.A.Zaitov coauthor).
133. Algebras of unbounded operators over the ring of measurable functions and their derivations and automorphisms. *Methods of Funct.*

- Anal. And Topology*, 2009, v.15, No.2, 177-187 (S.Albeverio, A.Zaitov, J.Ruziev coauthors).
134. Arens Spaces Associated with von Neumann Algebras and Normal States. *POSITIVITY*, 14 (2010) No.1, 105-121; doi: 10.1007/s11117-009-0008-5, (S.Albeverio, R.Z .Abdullaev coauthors).
135. Derivations on algebras of measurable operators. *Infinite Dimensional Analysis, Quantum Probability and Related Topics*, 13 (2010), No.2, 305-337 (K.Kudaybergenov coauthor).
136. The classification of 4-dimensional p-adic filiform Leibniz algebras. *TWMS Journal of Pure and Applied Mathematics*, v.1, N.2, 2010. 155-162 (T.Kurbanbaev, coauthor).
137. Local derivations on algebras of measurable operators. *Communications in Contemporary Mathematics*, 13 (2011), 643-657 (S.Albeverio, K.K.Kudaybergenov, B.Nurjanov coauthors).
138. Local derivations of the algebra of measurable operators with respect to type I von Neumann algebras. *Uzbek Math. Journal*, 2010, No.3, 9-18 (K.K.Kudaybergenov, B.O.Nurjanov, coauthors).
139. On Jones index for real W^* -algebras. *Eurasian Mathematical Journal*, v.1, No.4, 2010, 5-19 (S.Albeverio, A.Rakhimov, R.Dadakhodjaev coauthors).
140. Additive derivations on generalized Arens algebras. *Lobachevskii Journal of Mathematics*, 32 (2011), No. 3, 194-202 S.Albeverio, R.Z.Abdullaev, K.K.Kudaybergenov coauthors).
141. Automorphisms of central extensions of type I von Neumann algebras. *Studia Mathematica*, 207 (1) (2011), 1-17 (S.Albeverio, K.K.Kudaybergenov, R.T.Jumamuratov coauthors).
142. Additive derivations on algebras of measurable operators. *Journal of Operator Theory*, 67:2 (2012), 495-510 (K.K.Kudaybergenov coauthor).
143. Topologies on central extensions of von Neumann algebras. *Central European Journal of Mathematics*. 10(2) (2012), 656-664 (K.K.Kudaybergenov, R.T.Jumamuratov coauthors).
144. 2-Local derivations and automorphisms of $B(H)$. *Journal of Mathematical Analysis and Applications*, 395, 2012, 15-18 (K.K.Kudaybergenov, coauthor).
145. Index theory for real factors. *Eurasian Mathematical Journal*, 2012, v.3, №2, 12-20 (S.Albeverio, R.Dadakhodjaev, A.Rakhimov, coauthors).
146. Orlicz spaces associated with a semi-finite von Neumann algebra. *Comment.Math.Univ.Carolin.* 53, 4 (2012), 519-533 (V.I.Chilin, R.Z.Abdullaev coauthors).
147. 2-Local derivations on algebras of locally measurable operators. *Annals of Functional Analysis*, 4(2013), No 2, 110-117 (K.K.Kudaybergenov, A.Alauatdinov coauthors).

148. AW*-algebras which are Enveloping C*-algebras of JC-algebras. *Algebras and Representation Theory*, 2013, v.16, No1, 289-301 (F.Arzikulov coauthor).
149. Innerness of continuous derivations on algebras of measurable operators affiliated with finite von Neumann algebras. *Journal of Mathematical Analysis and Applications*, 396, 2013 (K.Kudaybergenov coauthor).
150. 2-Local derivations on matrix algebras over commutative regular algebras. *Linear Algebra and its Applications*, 439, 2013, No. 5, 1294-1311 (K.K.Kudaybergenov, A.Alauatdinov coauthors).
151. Spatiality of derivations on the algebra of tau-compact operators. *Integral Equations and Operator Theory* DOI: 10.1007/s00020 – 013 - 2095-8 (K.Kudaybergenov co-author).
152. 2-Local derivations on semi-finite von Neumann algebras. *Glasgow Mathematical Journal*, 56 (2014), 9-12 (F.Arzikulov coauthor).
153. Local and 2-local derivations on noncommutative Arens algebras. *Mathematica Slovaca*, 64(2014). No 2, 423-432 (K.K.Kudaybergenov, B .Nurjanov, A.Alauatdinov).
154. On a certain class of operator algebras and their derivations. *Eurasian Math. J.* 2014, v.5, No.1, 82-94 (R.Z.Abdullaev, K.K.Kudaybergenov).
155. 2-Local derivations on von Neumann algebras. *POSITIVITY*, 19(2015), No.3, 445-455 (K.K.Kudaybergenov coauthor).
156. 2-Local derivations on finite-dimensional Lie algebras. *Linear Algebra and its Applications*. 474(2015), 1-11. (K.K.Kudaybergenov, I.S.Rakhimov coauthors)
157. Leibniz algebras associated with representations of filiform Lie algebras. *Journal of Geometry and Physics*, 98(2015), 181-195 (L.M.Camacho, A.Kh.Khudayberdiyev, B.A.Omirov coauthors).
158. Local derivations on finite-dimensional Lie algebras. *Linear Algebra and its Applications*. 493(2016), 381-398 (K.K.Kudaybergenov coauthor).
159. Jordan algebras of abstract measurable operators for JB-algebras of Baer type. *Dokl. AN RUz*, 2015, №6, 5-7 (F.N.Arzikulov coauthor).
160. Jordan counterparts of Rickart and Baer *-algebras. *Uzbek Math.Journal*, 2016, №1, 13-33 (F.N.Arzikulov coauthor).
161. 2-Local derivations on matrix algebras over semi-prime Banach algebras and on AW*-algebras. IOP Publishing. *Journal of Physics: Conference Series* 697 (2016), 1-11 doi:10.1088/1742-6596/697/012001. (K.K.Kudaybergenov coauthor).
162. 2-Local automorphisms on finite-dimensional Lie algebras. *Linear Algebra and its Applications*. (2016), (K.K.Kudaybergenov coauthor).
163. Derivations, local and 2-local derivations on algebras of measurable operators. *Contemporary Mathematics*, 672 (2016), Topics

- in Functional Analysis and Algebra* (Russo et.al. Editors), 51-72 (K.K.Kudaybergenov coauthor).
164. A survey on local and 2-local derivations on C^* -algebras and von Neumann algebras. *Contemporary Mathematics 672 (2016), Topics in Functional Analysis and Algebra* (Russo et.al. Editors), 73-126 (K.K.Kudaybergenov, A.M. Peralta coauthor).
165. Reversible AJW-algebras. *Vladicaucasus Math. Journal*, 18 (2016), No.3, 15-21 (F.N.Arzikulov coauthor).
166. Local derivations on measurable operators and commutativity. *European Journal of Mathematics*, 2016, no.2, 1023-1030. DOI 10.1007/s40879-016-0118-0 (K.K.Kudaybergenov coauthor).
167. 2-Local derivations on AW*-algebras of type I. *Lobachevskii Journal of Mathematics*, 38 (2017), no.1, 148-161 (F.N.Arzikulov coauthor).
168. 2-Local derivations on associative and Jordan matrix algebras over commutative rings. *Linear Algebra and its Applications*. 522 (2017), 28-50 (F.N.Arzikulov coauthor).
169. Local and 2-local derivations of certain filiform Leibniz algebras. *Uzbek Math. Journal*, 2017, No.1 44-54 (K.K.Kudaybergenov, B.B.Yusupov, coauthors).
170. Local and 2-local derivations of quasi-filiform Leibniz algebras. *Trans. National University of Uzbekistan*, 2017, No.1 74-83 (B.B.Yusupov, coauthor).
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172. 2-Local Derivations on algebras of matrix-valued functions on a compact. *Vladicaucasus Math. Journal*, 20 (2018), No.1, 38-49 (F.N.Arzikulov coauthor).
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