

## CURRICULUM VITAE

### Rza Mustafayev

**Born:** April 12, 1974 in Salyan, Azerbaijan

**Citizenship:** Azerbaijan

**Employer:**

- French-Azerbaijani University (UFAZ), Azerbaijan State Oil and Industry University (ASOIU), Baku, Azerbaijan  
Present position: Associate professor

**E-mail:** rzamustafayev@gmail.com, rza.mustafayev@ufaz.az

**Homepage:** <https://rzamustafayev.com>

**Education and scientific degrees:**

- 1990-1995 undergraduate study at the Faculty of Mechanics and Mathematics at the Baku State University, Baku, Azerbaijan;
- 1995, Honours diploma of Mathematician (M.S.), Speciality - Mathematical Analysis;
- 1995-1998 postgraduate study at the Institute of Mathematics and Mechanics of National Academy of Sciences of Azerbaijan, Baku, Azerbaijan;
- 1998, the academic degree of Candidate of Physical and Mathematical Sciences (PhD equivalent), awarded by the decision of the Supreme Attestation Commission of the Republic of Azerbaijan (21 December, 1998) by the decision of the Board under Baku State University (16 September, 1998);  
Thesis title: Integral operators of potential type on spaces of homogeneous type and their applications to differential equations (16 September, 1998, Baku);  
Thesis Supervisor: Vagif Guliyev (Baku);
- 2011, the scientific degree "Dosent" (equivalent of Associate Professor), awarded by the decision of the Supreme Attestation Commission Attached to the President of the Republic of Azerbaijan (6 April, 2011) by the decision of the Board at the Institute of Mathematics and Mechanics of National Academy of Sciences of Azerbaijan.

**Languages spoken:** Azerbaijan, English, Russian, Turkish.

**Professional experience:**

- 1998 - 2000 researcher at the Institute of Mathematics and Mechanics of National Academy of Sciences of Azerbaijan;
- 2000 - 2011 senior scientific researcher at the Institute of Mathematics and Mechanics of National Academy of Sciences of Azerbaijan;
- 2007 (4 months) and 2008 (4 months) and 2009 (4 months) INTAS Young Scientists Postdoctoral Fellowship at the Institute of Mathematics of Academy of Sciences of Czech Republic, Prague, Czech Republic;
- 2009 - 2010 (6 months) Visiting Researcher Position at the Institute of Mathematics of Academy of Sciences of Czech Republic, Prague, Czech Republic;
- 2011 - 2016 associate professor at the Department of Mathematics, Faculty of Science and Arts, Kirikkale University, Kirikkale, Turkey;
- 2016 - 2017 leading scientific researcher at the Institute of Mathematics and Mechanics of National Academy of Sciences of Azerbaijan;
- 2017 - 2022 professor at the Department of Mathematics, Karamanoglu Mehmetbey University, Karaman, Turkey;
- 2022 - at present lecturer at French-Azerbaijani University, Baku, Azerbaijan.

**Research interest:** real and functional analysis, function spaces, weighted inequalities, integral operators, applications to PDEs.

**Publishing activity:** 42 published papers.

## Citations:

- 368 citations by 155 authors (MathSciNet, August 2022 - includes self-citations)
- 550 citations by 307 articles, 474 citations without self-citations, 281 citing articles without self-citations, h-index 12 (ISI Web of Knowledge, January 2024)
- 572 citations by 321 documents, h-index 12 (Scopus, January 2024 - includes self-citations)

## Research grants:

- Cooperative Science and Technology Sub-Programme Collaborative Linkage Grant NATO Science Program, Period: 2004-2006  
Title: "Weighted Spaces of Differentiable Functions, Weighted Inequalities for Integral Operators and Applications"  
Principal Investigators: Prof. Vagif Guliyev (Institute of Mathematics and Mechanics of National Academy of Sciences, Azerbaijan) and Prof. Viktor Burenkov (Cardiff University, UK)
- INTAS Grant for Young Scientists in the category Post Doctoral Fellowship, INTAS Ref. No. 06-1000015-6385, Period: 2007-2009  
Title: "Function spaces and related integral operators defined on spaces of homogeneous type and applications to partial differential equations"  
NIS Supervisor: Prof. Vagif Guliyev (Institute of Mathematics and Mechanics of National Academy of Sciences, Azerbaijan)  
INTAS Supervisor: Prof. Amiran Gogatishvili (Institute of Mathematics of AV CR, Czech Republic)
- Award from Azerbaijan - U.S. Bilateral Grants Program II Competition U.S. Civilian Research & Development Foundation, Period: 2008-2009  
Title: "Potentials and Carleson Measures on Besov-Morrey Type Spaces" (Modern Analysis)  
Principal Investigators: Prof. Zhijian Wu (University of Alabama, Tuscaloosa, USA) and Prof. Vagif Guliyev (Baku State University, Azerbaijan)
- Grant of Science Development Foundation under the President of the Republic of Azerbaijan, Project No-01/023, Period: 2011-2013  
Title: "Boundedness of Integral Operators of Harmonic Analysis in Some Function Spaces and Applications"  
Project manager: Prof. Akif Gadjev (Institute of Mathematics and Mechanics of National Academy of Sciences, Azerbaijan)
- Grant of Karamanoglu Mehmetbey University Scientific Research Project Project (FEF. 09-M-18) Period: 2018-2019  
Title: "Multidimensional weighted iterated Hardy-type inequalities and characterization of multidimensional bilinear Hardy inequalities" (Karamanoglu Mehmetbey University, Turkey)

## Teaching experience:

- "Potential Theory I and II", Kirikkale University, 2011-2013;
- "Harmonic Analysis I and II", Kirikkale University, 2014-2016;
- "Mathematical Analysis III and IV", Kirikkale University, 2014-2016;
- "Seminar on Hardy-type inequalities", Kirikkale University, 2011-2016;
- "Calculus I", Karamanoglu Mehmetbey University, 2017-2018;
- "Mathematical Analysis I", Karamanoglu Mehmetbey University, 2017-2018;
- "Functional Analysis I", Karamanoglu Mehmetbey University, 2017-2018;
- "Fourier Series I", Karamanoglu Mehmetbey University, 2017-2018;
- "Measure Theory I", Karamanoglu Mehmetbey University, 2017-2018.
- "Mathematical Analysis I", Karamanoglu Mehmetbey University, 2018-2019;
- "Mathematical Analysis II", Karamanoglu Mehmetbey University, 2018-2019;
- "Functional Analysis I", Karamanoglu Mehmetbey University, 2018-2019;
- "Functional Analysis II", Karamanoglu Mehmetbey University, 2018-2019;
- "Fourier Series I", Karamanoglu Mehmetbey University, 2018-2019;
- "Measure Theory I", Karamanoglu Mehmetbey University, 2018-2019;
- "Functional Analysis I", Karamanoglu Mehmetbey University, 2019-2020;
- "Functional Analysis II", Karamanoglu Mehmetbey University, 2019-2020;
- "Fourier Series I", Karamanoglu Mehmetbey University, 2019-2020;

- "Measure Theory I", Karamanoglu Mehmetbey University, 2019-2020;
- "Mathematics for Engineers I", Karamanoglu Mehmetbey University, 2020-2021;
- "Mathematical Analysis III", Karamanoglu Mehmetbey University, 2020-2021;
- "Vocational Mathematics", Karamanoglu Mehmetbey University, 2020-2021;
- "Fourier Series I", Karamanoglu Mehmetbey University, 2020-2021;
- "Mathematical Analysis III and IV", Karamanoglu Mehmetbey University, 2021-2022;
- "Ordinary Differential Equations", Karamanoglu Mehmetbey University, 2021-2022;
- "Fourier Series I", Karamanoglu Mehmetbey University, 2021-2022;
- "Calculus II", Karamanoglu Mehmetbey University, 2021-2022;
- "Measure Theory I", Karamanoglu Mehmetbey University, 2021-2022.
- "Linear Algebra", French-Azerbaijani University, 2022-2023.
- "Vector Analysis", French-Azerbaijani University, 2022-2023.

### **Finished PhD. Students:**

- Müjdat Ağcayazı: Commutators of maximal functions and some applications, Kirikkale University, Kirikkale, 2011-2015.
- Tuğçe Ünver: Embeddings between weighted local Morrey-type spaces, Kirikkale University, Kirikkale, 2011-2015.
- Nevin Bilgiçli: Generalized fractional maximal functions in Lorentz spaces, Kirikkale University, Kirikkale, 2012-2018.
- Merve Yılmaz: Characterization of boundedness of generalized maximal function in Lorentz  $G\Gamma$  spaces, Karamanoglu Mehmetbey University, Karaman, 2017-2023.

### **MSc. Diploma theses supervision:**

- Sümeyye Demiral: The relation between the solutions of a complex differential equation of second order in divergence form and the solutions of the Vekua equation, Kirikkale University, Kirikkale, 2013-2015.
- Derya Sucu: Weighted norm inequalities for the local sharp maximal function, Kirikkale University, Kirikkale, 2013-2015.
- Numan Yaman: Garsia-Rodemich spaces, Karamanoglu Mehmetbey University, Karamanoglu Mehmetbey University, 2018-2021.
- Necmeddin Acat: Some properties of monotone envelopes and transferring monotonicity in weighted norm inequalities, Karamanoglu Mehmetbey University, 2020-2022.

### **Organization of Conferences:**

- International Conference "Weighted Estimates of Differential and Integral Operators and their Applications", dedicated to the 70th anniversary of prof. R. Oinarov, L.N. Gumilyov Eurasian National University, Astana, Republic of Kazakhstan, May 4-6, 2017 (member of the organizing committee).
- International Conference "Operators on Morrey-Type Spaces and Applications (OMTSA 2017)", dedicated to the 60th anniversary of prof. V.S. Guliyev, Ahi Evran University, Kirsehir, Turkey, July 10-13, 2017 (member of the scientific committee).
- International Conference on Mathematical Studies and Applications 2018 (ICMSA 2018), Karamanoglu Mehmetbey University, Karaman, Turkey, October 04-06, 2018 (member of the organizing and scientific committee).
- Operators in General Morrey-Type Spaces and Applications 2019 (OMTSA 2019), Dumlupinar University, Kutahya, Turkey, July 16-20, 2019 (member of the scientific committee).

## Research papers in academic journals

- [1] **R.Ch. Mustafayev**, N. Bilgiçli, M. Yılmaz, *Norms of maximal functions between generalized and classical Lorentz spaces*, *Azerb. J. Math.* 13 (2) (2023), 51–99.
- [2] **R.Ch. Mustafayev**, A. Küçükaslan, *An extension of the Muckenhoupt–Wheeden theorem to generalized weighted Morrey spaces*, *Georgian Math. J.* 28 (4) (2021), 595–610.
- [3] **R.Ch. Mustafayev**, N. Bilgiçli, *Boundedness of iterated Hardy-type operators involving suprema from weighted Lebesgue spaces into weighted Cesàro function spaces*, *Real Analysis Exchange* 45 (2) (2020), 339–374.
- [4] N. Bilgiçli, **R.Ch. Mustafayev**, T. Ünver, *Multidimensional bilinear Hardy inequalities*, *Azerb. J. Math.* 10 (1) (2020), 128–162.
- [5] A. Gogatishvili, **R.Ch. Mustafayev**, T. Ünver, *Pointwise Multipliers between weighted Copson and Cesàro function spaces*, *Math. Slovaca* 69 (6) (2019), 1303–1328.
- [6] A. Gogatishvili, **R.Ch. Mustafayev**, M. Agcayazi, *Weak-type estimates in Morrey spaces for maximal commutator and commutator of maximal function*, *Tokyo J. Math.* 41 (1) (2018), 193–218.
- [7] **R.Ch. Mustafayev**, N. Bilgiçli, *Generalized fractional maximal functions in Lorentz spaces  $\Lambda$* , *J. of Math. Inequal.* 12 (3) (2018), 827–851.
- [8] **R.Ch. Mustafayev**, *On weighted iterated Hardy-type inequalities*, *Positivity* 22 (2018), 275–299.
- [9] A. Gogatishvili, **R.Ch. Mustafayev**, T. Ünver, *Embeddings between weighted Copson and Cesàro function spaces*, *Czechoslovak Math. J.* 67 (142) (2017), 1105–1132.
- [10] V.S. Guliyev, K. Koca, **R.Ch. Mustafayev**, T. Ünver, *Boundedness of operators arising from Schwarz BVP in modified local Morrey-type spaces*, *Complex Var. Elliptic Equ.* 62 (10) (2017), 1541–1557. MR3677952
- [11] A. Gogatishvili, **R.Ch. Mustafayev**, *Iterated Hardy-type inequalities involving suprema*, *Math. Inequal. & Appl.* 20 (4) (2017), 901–927. MR3711402
- [12] A. Gogatishvili, **R.Ch. Mustafayev**, T. Ünver, *Embeddings between weighted complementary local Morrey-type spaces and weighted local Morrey-type spaces*, *Eurasian Math. J.* 8 (1) (2017), 34–49. MR3663345
- [13] A. Gogatishvili, **R.Ch. Mustafayev**, *Weighted iterated Hardy-type inequalities*, *Math. Inequal. & Appl.* 20 (3) (2017), 683–728. MR3653914
- [14] V.S. Guliyev, K. Koca, **R.Ch. Mustafayev**, T. Ünver, *Some operators arising from Schwarz BVP in complementary local Morrey-type spaces on the unit disc*, *J. Math. Anal.* 8 (1) (2017), 130–142. MR3636741
- [15] A. Gogatishvili, **R.Ch. Mustafayev**, *A note on boundedness of the Hardy-Littlewood maximal operator on Morrey spaces*, *Mediterr. J. Math.* 13 (4) (2016), 1885–1891. MR3530905
- [16] **R.Ch. Mustafayev**, T. Ünver, *Reverse Hardy-type inequalities for supremal operators with measures*, *Math. Inequal. & Appl.* 18 (4) (2015), 1295–1311. MR3414598
- [17] **R.Ch. Mustafayev**, T. Ünver, *Embeddings between weighted local Morrey-type spaces and weighted Lebesgue spaces*, *J. of Math. Inequal.* 9 (1) (2015), 277–296. MR3333923
- [18] M. Agcayazi, A. Gogatishvili, K. Koca, **R.Ch. Mustafayev**, *A note on maximal commutators and commutators of maximal functions*, *J. Math. Soc. Japan.* 67 (2) (2015), 581–593. MR3340187
- [19] V.S. Guliyev, T. Karaman, **R.Ch. Mustafayev**, A. Serbetci, *Commutators of sublinear operators generated by Calderón-Zygmund operator on generalized weighted Morrey spaces*, *Czechoslovak Math. J.* 64 (139) (2014), 365–385. MR3277742
- [20] A. Gogatishvili, **R.Ch. Mustafayev**, L.-E. Persson, *Some new iterated Hardy-type inequalities: the case  $\theta = 1$* , *J. Inequal. Appl.* (2013), 29 pp. MR3320124
- [21] A. Gogatishvili, **R.Ch. Mustafayev**, *New characterization of Morrey spaces*, *Eurasian Math. J.* 4 (1) (2013), 54–64. MR3118891
- [22] A. Gogatishvili, **R.Ch. Mustafayev**, *New pre-dual space of Morrey space*, *J. Math. Anal. Appl.* 397 (2) (2013), 678–692. MR2979604
- [23] A. Gogatishvili, **R.Ch. Mustafayev**, L.-E. Persson, *Some new iterated Hardy-type inequalities*, *J. Funct. Spaces Appl.* 2012, 30 pp. MR3000818
- [24] A. Akbulut, V.S. Guliyev, **R.Ch. Mustafayev**, *On the Boundedness of the maximal operator and singular integral operators in generalized Morrey spaces*, *Math. Bohem.* 137 (1) (2012), 27–43. MR2978444
- [25] **R.Ch. Mustafayev**, *On boundedness of sublinear operators in weighted Morrey spaces*, *Azerb. J. Math.* 2 (1) (2012), 63–75. MR2967285
- [26] A. Gogatishvili, **R.Ch. Mustafayev**, *Multidimensional reverse Hardy inequalities*, *Math. Inequal. & Appl.* 15 (1) (2012), 1–14. MR2919426
- [27] A. Gogatishvili, **R.Ch. Mustafayev**, *Equivalence of norms of Riesz potential and fractional maximal function in generalized Morrey spaces*, *Collect. Math.* 63 (1) 2012, 11–28. MR2887108

- [28] V.S. Guliyev, **R.Ch. Mustafayev**, *Boundedness of the anisotropic maximal and anisotropic singular integral operators in generalized Morrey spaces*, Acta Math. Sin. (Engl. Ser.) 27 (12) (2011), 2361–2370. MR2853794
- [29] A. Gogatishvili, **R.Ch. Mustafayev**, *Dual spaces of local Morrey-type spaces*, Czechoslovak Math. J. 61 (136) (2011), 609–622. MR2853078
- [30] A. Gogatishvili, **R.Ch. Mustafayev**, *On a theorem of Muchenhaupt-Wheeden in generalized Morrey spaces*, Eurasian Math. J. 2 (2) (2011), 134–138. MR2910836
- [31] V.I. Burenkov, A. Gogatishvili, V.S. Guliyev, **R.Ch. Mustafayev**, *Sufficient conditions for boundedness of the Riesz potential in local Morrey-type spaces*, Potential Anal. 35 (2011), 67–87. MR2804553
- [32] V.S. Guliyev, **R.Ch. Mustafayev**, A. Serbetci, *Stein-Weiss inequalities for the fractional integral operators in Carnot groups and applications*, Complex Var. Elliptic Equ. 55 (8-10) (2010), 847–863. MR2674868
- [33] V.I. Burenkov, A. Gogatishvili, V.S. Guliyev, **R.Ch. Mustafayev**, *Boundedness of the fractional maximal operator in local Morrey-type spaces*, Complex Var. Elliptic Equ. 55 (8-10) (2010), 739–758. MR2674862
- [34] V.S. Guliev, **R.Ch. Mustafaev**, *On generalized fractional integrals on spaces of homogeneous type*, Khazar J. Math. 2 (2) (2006), 49–60.
- [35] V.S. Guliev, **R.Ch. Mustafaev**, *On generalized fractional integrals*, Trans. Acad. Sci. Azerb. Ser. Phys.-Tech. Math. Sci. 21 (4) (2001), 63–71. MR1949845
- [36] V.S. Guliev, **R.Ch. Mustafaev**, *Two-weight inequalities for potentials defined on spaces of homogeneous type*, Trans. Acad. Sci. Azerb. Ser. Phys.-Tech. Math. Sci. 21 (1) (2001), 52–67. MR1949669
- [37] V.S. Guliev, **R.Ch. Mustafaev**, *Inequalities of Sobolev and Poincare type on Heisenberg group*, Proc. Inst. Math. Mech. Acad. Sci. Azerb., 10 (18) (1999), 36–41. MR1810234
- [38] V.S. Guliev, **R.Ch. Mustafaev**, *Fractional integrals in spaces of functions defined on spaces of homogeneous type*, Anal. Math. 24 (3) (1998), 181–200. MR1639211
- [39] **R.Ch. Mustafaev**, *On estimates of Cauchy problem for certain parabolic equations in anisotrop Sobolev spaces with mixed norm*, Proc. Inst. Math. Mech. Acad. Sci. Azerb. 6 (14) (1997), 129–139. MR1813642
- [40] V.S. Guliev, I.T. Mamedov, **R.Ch. Mustafaev**, *On solvability of the first initial boundary problem for parabolic equations in Sobolev spaces with mixed norm*, Trans. Acad. Sci. Azerb. Ser. Phys.-Tech. Math. Sci. 18 (4-5) (1997), 51–62.
- [41] V.S. Guliev, **R.Ch. Mustafaev**, *Integral operators of potential type in spaces of homogeneous type*, Dokl. Akad. Nauk 354 (6) (1997), 730–732. MR1473130
- [42] V.S. Guliev, **R.Ch. Mustafaev**, *Fractional integrals on spaces of homogeneous type*, Proc. Azerb. Math. Soc. 2 (1996), 50–69. MR1793376

### Papers submitted for publication

- [43] **R.Ch. Mustafayev**, N. Bilgiçli, M. Yılmaz, *On some restricted inequalities for the iterated Hardy-type operator involving suprema and their applications*, (2021).
- [44] **R.Ch. Mustafayev**, M. Yılmaz, *Another approach to weighted inequalities for a superposition of Copson and Hardy operators*, (2022).
- [45] **R.Ch. Mustafayev**, *Corrigendum to "On weighted iterated Hardy-type inequalities" [Positivity, 22 (1) (2018), 275-299]*, (2022).
- [46] **R.Ch. Mustafayev**, M. Yılmaz, *New equivalence theorems for weighted inequalities involving the composition of monotone quasilinear operators with the Hardy and Copson operators and their applications*, (2022).

### International workshop and conference presentations

- [1] **V.S. Guliev**, R.Ch. Mustafaev,  $W_{p,\omega}^{m,1}$  solvability for the Cauchy problem for parabolic equations, Proceedings of international conference "Functional spaces. Differential operators. Problems of mathematical education", dedicated to 75th birthday of prof. L.D.Kudryavchev. Moscow. 1998, v.2, p. 222-225.
- [2] **R.Ch. Mustafaev**, *Boundedness of singular integral and its commutator in weighted Morrey spaces*, International Conference on Mathematics and Mechanics devoted to the 50th anniversary of the Institute of Mathematics and Mechanics of NAS Azerbaijan. Baku. Azerbaijan. May 6 -8. 2009, p. 232-233.
- [3] A. Gogatishvili, **R.Ch. Mustafayev**, *Dual spaces of local Morrey-type spaces*, International Workshop on "Function Spaces and Applications", Freyburg/Unstrut. Germany. July 6 - 12, 2008.
- [4] **A. Akbulut**, V.S. Guliyev, R.Ch. Mustafayev, *Boundedness of the maximal operator and singular integral operator in generalized Morrey spaces*, Nonlinear Analysis, Function Spaces And Applications (NAFSA 9) , Institute of Mathematics of the AS CR, Czech Republic, 11 - 17 September 2010.

- [5] A. Gogatishvili, **R.Ch. Mustafayev**, *Equivalence of norms of Riesz potential and fractional maximal function in generalized Morrey spaces*, International Workshop on Operators in Morrey-Type Space and Applications (OMTSA 2011), Ahi Evran University, Kirsehir, Turkey, May 20 - 27, 2011.
- [6] **A. Gogatishvili**, R.Ch. Mustafayev, *Characterization of the dual and pre-dual spaces of the local and global Morrey-type spaces*, International Workshop on Operators in Morrey-Type Space and Applications (OMTSA 2011), Ahi Evran University, Kirsehir, Turkey, May 20 - 27, 2011.
- [7] R.Ch. Mustafayev, **T. Ünver**, *Embeddings between weighted local Morrey-type spaces and weigh-ted Lebesgue spaces*, Nonlinear Analysis, Function Spaces and Applications (NAFSA 10), Trest, Czech Republic, June 9 - 15, 2014.
- [8] A. Gogatishvili, **R.Ch. Mustafayev**, M. Agcayazi, *Weak-type estimates in Morrey spaces for maximal commutator and commutator of maximal function*, Function Spaces, Differential Operators and Nonlinear Analysis (FSDONA 9), Prague, Czech Republic, July 4 - 9, 2016.
- [9] R.Ch. Mustafayev, **T. Ünver**, *The Multidimensional Reverse Hardy Inequality for Supremal Operator*, International Conference on Analysis and its Applications (ICAA-2016), Ahi Evran University, Kirsehir, Turkey, July 12 - 15, 2016.
- [10] R.Ch. Mustafayev, **T. Ünver**, *Embeddings between weighted Copson and Cesàro function spaces*, International Conference on Banach Spaces and Operator Theory with Applications (BSOTA-2017), Adam Mickiewicz University, Poznań, Poland, July 03 - 07, 2017.
- [11] **R.Ch. Mustafayev**, *Bilinear Hardy inequalities*, International Conference "Operators on Morrey-Type Spaces and Applications (OMTSA 2017)", Ahi Evran University, Kirsehir, Turkey, July 10 - 13, 2017.
- [12] **R.Ch. Mustafayev**, N. Bilgiçli, *Generalized maximal functions in classical Lorentz spaces*, International Conference "Operators on Morrey-Type Spaces and Applications (OMTSA 2017)", Ahi Evran University, Kirsehir, Turkey, July 10 - 13, 2017.
- [13] **M. Agcayazi**, R.Ch. Mustafayev, *Norm and endpoint estimates for commutators of fractional maximal function*, International Conference "Operators on Morrey-Type Spaces and Applications (OMTSA 2017)", Ahi Evran University, Kirsehir, Turkey, July 10 - 13, 2017.
- [14] R.Ch. Mustafayev, **T. Ünver**, *Embeddings between weighted complementary local Morrey-type spaces and weighted local Morrey-type spaces*, International Conference "Operators on Morrey-Type Spaces and Applications (OMTSA 2017)", Ahi Evran University, Kirsehir, Turkey, July 10 - 13, 2017.
- [15] **R.Ch. Mustafayev**, N. Bilgiçli, *Generalized maximal functions in Lorentz spaces*, Function Spaces XII (FS12), Jagiellonian University, Kraków, Poland, July 09 - 14, 2018.
- [16] **R.Ch. Mustafayev**, N. Bilgiçli, *Generalized maximal functions in classical Lorentz spaces*, International Conference on Mathematical Studies and Applications 2018 (ICMSA 2018), Karamanoglu Mehmetbey University, Karaman, Turkey, October 04 - 06, 2018.
- [17] **N. Bilgiçli**, R.Ch. Mustafayev, T. Ünver, *Multidimensional bilinear Hardy inequalities*, International Conference on Mathematical Studies and Applications 2018 (ICMSA 2018), Karamanoglu Mehmetbey University, Karaman, Turkey, October 04 - 06, 2018.
- [18] R.Ch. Mustafayev, **A. Küçükaslan**, *An extension of Muchenhaupt-Wheeden theorem to generalized weighted (central) Morrey spaces*, International Conference on Mathematical Studies and Applications 2018 (ICMSA 2018), Karamanoglu Mehmetbey University, Karaman, Turkey, October 04 - 06, 2018.
- [19] **R.Ch. Mustafayev**, N. Bilgiçli, *Boundedness of weighted iterated Hardy-type operators involving suprema from weighted Lebesgue spaces into weighted Cesàro function spaces*, International conference "Modern Problems of Mathematics and Mechanics" dedicated to the 60-th anniversary of the Institute of Mathematics and Mechanics, Baku, Azerbaijan, October 23 - 25, 2019.
- [20] **R.Ch. Mustafayev**, M. Yılmaz, *New equivalence theorems for monotone quasilinear operators*, International conference "Modern Problems of Mathematics and Mechanics" dedicated to the 110-th anniversary of academician I. Ibrahimov, Baku, Azerbaijan, June 29 - 01 July, 2022.
- [21] **R.Ch. Mustafayev**, N. Bilgiçli, M. Yılmaz, *A note on some restricted inequalities for the iterated Hardy-type operator involving suprema*, International conference "Modern Problems of Mathematics and Mechanics" dedicated to the 110-th anniversary of academician I. Ibrahimov, Baku, Azerbaijan, June 29 - 01 July, 2022.
- [22] R.Ch. Mustafayev, N. Bilgiçli, **M. Yılmaz**, *Boundedness of iterated Hardy-type operator involving suprema between generalized Lorentz spaces and an application*, 2nd International Conference on Engineering and Applied Natural Sciences (ICEANS 2022), Konya, Turkey, 15 - 18 October, 2022.
- [23] R.Ch. Mustafayev, **M. Yılmaz**, *Another approach to weighted iterated Hardy-type inequalities*, 6th International Conference on Analysis and Applied Mathematics (ICAAM 2022), Antalya, Turkey, October 31 - 06 November, 2022.

## Preprints

- [1] M. Agcayazi, A. Gogatishvili, K. Koca, **R.Ch. Mustafayev**, *A note on maximal commutators and commutators of maximal functions*,  
Preprint, arXiv.org e-Print archive.  
<http://arxiv.org/pdf/1210.6778.pdf>
- [2] A. Gogatishvili, **R.Ch. Mustafayev**, L.-E. Persson *Some new iterated Hardy-type inequalities: The case  $\theta = 1$* ,  
Preprint, arXiv.org e-Print archive.  
<http://arxiv.org/pdf/1302.3436.pdf>
- [3] **R.Ch. Mustafayev**, T. Ünver, *Embeddings between weighted local Morrey-type spaces and weighted Lebesgue spaces*,  
Preprint, arXiv.org e-Print archive.  
<http://arxiv.org/pdf/1309.4407.pdf>
- [4] **R.Ch. Mustafayev**, T. Ünver, *Reverse Hardy-type inequalities for supremal operators with measures*,  
Preprint, arXiv.org e-Print archive.  
<http://arxiv.org/pdf/1411.0645.pdf>
- [5] A. Gogatishvili, **R.Ch. Mustafayev**, *A note on boundedness of the Hardy-Littlewood maximal operator on Morrey spaces*,  
Preprint, arXiv.org e-Print archive.  
<http://arxiv.org/pdf/1502.06484.pdf>
- [6] A. Gogatishvili, **R.Ch. Mustafayev**, *Weighted iterated Hardy-type inequalities*,  
Preprint, arXiv.org e-Print archive.  
<http://arxiv.org/pdf/1503.04079.pdf>
- [7] A. Gogatishvili, **R.Ch. Mustafayev**, *Iterated Hardy-type inequalities involving suprema*,  
Preprint, arXiv.org e-Print archive.  
<http://arxiv.org/pdf/1504.03932.pdf>
- [8] A. Gogatishvili, **R.Ch. Mustafayev**, M. Agcayazi, *Weak-type estimates in Morrey spaces for maximal commutator and commutator of maximal function*,  
Preprint, arXiv.org e-Print archive.  
<http://arxiv.org/pdf/1504.04509.pdf>
- [9] A. Gogatishvili, **R.Ch. Mustafayev**, T. Ünver, *Embeddings between weighted Copson and Cesàro function spaces*,  
Preprint, arXiv.org e-Print archive.  
<http://arxiv.org/pdf/1507.07866.pdf>
- [10] **R.Ch. Mustafayev**, N. Bilgiçli, *Generalized fractional maximal functions in Lorentz spaces*,  
Preprint, arXiv.org e-Print archive.  
<http://arxiv.org/pdf/1512.04799.pdf>
- [11] **R.Ch. Mustafayev**, *A note on weighted iterated Hardy-type inequalities*,  
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