ŽIVORAD TOMOVSKI
CURRICULIM VITAE

BASIC INFORMATION

- **Name:** Živorad Tomovski
- **Date of birth:** 8 June, 1968
- **Citizenship:** Macedonian
- **Title of present position:** Full Professor (Permanent Position)
- **Highest degree earned:** Ph.D.
- **Major discipline:** Mathematical Analysis, Complex variables, Differential Equations, Probability
- **Research interests:** Approximation Theory, Trigonometric and Nontrigonometric Fourier Analysis, Inequalities, Fractional Calculus, Special Functions, Fractional Models
- **Office address:** Faculty of Mathematics&Natural Sciences, Department of Mathematics, p.o.box 162, Skopje , Macedonia
- **E-mail:** tomovski@pmf.ukim.mk
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ACADEMIC DEGREES

1. December 1992, B.Sc (Theoretical Mathematics), University of Skopje, Macedonia ;
2. October 1997, M.Sc (Fourier Analysis and Approximation Theory), University of Skopje, Macedonia ;
3. July 2000, PH.D (Fourier Analysis and Approximation Theory), University of Skopje, Macedonia

ACADEMIC AND PROFESSIONAL POSITIONS

1. (1993-1995): Teaching Assistant in Mathematics: Faculty of Electrical Engineering, Skopje
2. (1995-2000): Teaching and research assistant in Mathematics: Faculty of Mathematics and Natural Sciences, Skopje
3. (2001-2005) : Docent (Assistant Professor) at Faculty of Mathematics and Natural Sciences, Skopje
4. (30 June 2005-6 April 2010):ВоНрeАеН прocрecop (Associate Professor)
5. (7 April 2010-): Redoven Profesor (Full Professor) Faculty of Mathematics and Natural Sciences, Skopje

UNDERGRADUATE COURSES

Calculus, Probability, Differential equations, complex functions and Partial and Integral equations

POSTGRADUATE COURSES

Theory of Probability

MEMBERSHIPS IN PROFESSIONAL ORGANIZAIONS

1. Member of Research group in Mathematical Inequalities &Applications in Melbourne, Australia

FELLOWSHIPS

1. Fevruary 1999- June 1999, University of People 's Friendship, Moscow , Russia
2. Fevruary 2002- March 2002, Jagelonian University , Cracow , Poland
3. October 2005, Fevruary 2006, University of Zagreb, Croatia
4. 2008 (3 months) DAAD Postdoctoral Fellowship, University of Stuttgart, Germany
5. 2011 (3 months) DAAD TU Munich, Germany
6. 2011 (3 months) NWO TU Delft, The Netherlands
7. 2013 (3 months) Einstein Fellowship, WIAS, Berlin, Germany
8. 2014-2016 Marija Curie- FP7, NEWFELPRO, University of Rijeka, Croatia
9. 2017/18 (3 months) NWO TU Delft, The Netherlands

VISITOR

1. December 1999/January 2000, Steklov Mathematical Institute- RAS, Moscow, Russia (1month)
2. November 2001, University of Zagreb , Croatia (1 week)
3. May 2002, Steklov Mathematical Institute, RAS, Moscow , Russia (2 weeks)
4. Fevruary 2003, Department of Mathematics, TU Chemnitz, Germany (1 week)
5. May 2003, University of Zagreb , Croatia (1 week)
6. April 2004, University of Belgrade , Serbia and Montenegro (5 days)
7. April 2005, University of Rijeka, Croatia (1 week)
8. August 2005, University of Trier, Germany (5 days)
9. Fevruary 2006,University of Rijeka, Croatia (5 days)
10. August 2006, Free University of Berlin, Germany (6 days)
11. September 2006,Steklov Mathematical Institute, RAS, Moscow , Russia (5 days)
12. June 2007, Institute for Computational Physics,University of Stuttgart, Germany (5 days)

13. September 2007,Department of Mathematics (Intensive course of "Fractional Calculus"): DAAD project-"Center of Excellence for Application of Mathematics", Novi Sad, Serbia (1 week)
14. November-December 2007, Institute for Computational Physics,University of Stuttgart, Germany (guest researcher: 1 month)
15. Fevruary 2008,University of Zagreb, Croatia (1 week)
16. July,August,November 2008,ICP, University of Stuttgart, Germany (3 months)
17. May 2009, ICP, University of Stuttgart, Germany (2 weeks)
18. October 2009, Intensive course of "Measure theoretic tools in Partial Differential Equations": DAAD project-"Center of Excellence for Application of Mathematics", Budva, Montenegro(1 week)
19. March 2010, Faculty of Mathematics, University of Vienna, Austria (1 week)
20. July 2010, Pedagogical Faculty, Sombor,University of Novi Sad, Serbia (1 week)
21. November 2010,TU Munich, Department of Physics, Germany (1 week)

TALKS

1. Simposium of Differential Equations and Analysis (October, 1998),Ohrid
2. Seminar of Approximation Theory (1999), Steklov Mathematical Institue, Moscow , Russia
3. Second Croatian Congress of Mathematics (2000), Zagreb
4. Second Macedonian Congress of Mathematics, (2000), Ohrid , Macedonia
5. International Workshop INEQUALITIES 2001, (Jule), Temisoara , Romania
6. Seminar of Inequalities (November,2001), Zagreb (invited talk)
7. Seminar of Approximation Theory (Fevryary,2002), Cracow , Poland
8. Seminar of Approximation Theory (April 2002), Steklov Mathematical Institute, Moscow, Russia (invited talk)
9. Sendov Conference of Approx. Theory: Workshop (wavelets,splines) (2002) Varna, Bulgaria
10. Simposium of Differential Equations and Analysis (October, 2002),Ohrid
11. Seminar of Analysis (Fevruary, 2003), Chemnitz University , Germany (invited talk)
12. Seminar of Inequalities (May, 2003), Zagreb , Croatia , (invited talk)
13. Seminar of Analysis (April, 2004), Fac.Electr.Engineering, Belgrade , Serbia
14. Third Croatian Congress of Mathematics (2004), Split
15. Seminar of Applied Mathematics (April, 2005),Fac.Maritime Studies,Rijeka, Croatia (invited talk)
16. Seminar of Analysis (August, 2005),Department of Mathematics, University of Trier, Germany

17. Colloqium (20 October,2005),Department of Applied Mathematics,University of Osijek, Croatia
18. Workshop of Fractional Calculus and Applications (2,3 August 2006),Free University of Berlin, Germany
19. MAGT Conference, 1-4 September (2006), Belgrade, Serbia
20. Seminar of Approximation Theory (September 2006), Steklov Mathematical Institute, Moscow, Russia (invited talk)
21. New Trends in Mathematics and Informatics, Jubilee International Conference, 60 years Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, July 6-8, 2007, Sofia, Bulgaria
22. Colloqium (26 November 2007),Institute for Computational Physics,University of Stuttgart, Germany
23. Conference MIA 2008 dedicated to Prof.Josip Pecaric on the occasion of his 60th birthday (Trogir,9-14 June 2008)
24. Colloqium of Mechanics (16 March 2011),Institute of Mathematics, SANU, Belgrade, Serbia (invited talk)
25. Workshop of Fractional Diffusion (2012), WPI, University of Vienna, Austria
26. Workshop: Fractional Calculus and Applications (6-7 september 2018), University of Potsdam, Germany

PROJECTS

1. Fourier Analysis and Applications (leader , 1 July 2001-30 June 2004: supported by Ministry of Educations and Sciences, Macedonia)
2. Orthogonal polynomials and Applications (2001, under the supervision of Prof. Blagoj Popov; Supported by Macedonian Academy of Sciences and Arts)
3. Nontrigonometric Fourier Analysis, Special and Orthogonal Functions and Applications(leader , 1 July 2006-30 June 2009: supported by Ministry of Educations and Sciences, Macedonia)
4. Fractional calculus, Higher Transcedential Functions and Applications, Bilaterial Project between Croatia-Macedonia: 1 July 2006-30 June 2008; supported by Ministry of Education and Sciences of Macedonia and Ministry of Education, Sciences and Sport of Croatia
5. Linear and Nonlinear Fractional Diffusion Models, 2011-2013, Bilateral Project between Austria and Macedonia, supported by Ministry of Education and Sciences of Macedonia and Ministry of Education

EDITOR

1. Mathematica Macedonica
2. Advances in Applied Mathematical Analysis (AAMA)
3. J. Classical Analysis

REVIEWER

1. Mathematical Reviews
2. Mathematical Inequalities & Applications (Element)
3. Mathematical and Computer Modelling (Elsevier)
4. Journal of Inequalities in Pure and Applied Mathematics (electronic)
5. Tamkang Journal of Mathematics (Tamsui University, Taiwan)
6. Mathematical Bulletin
7. Applied Mathematics Letter (Elsevier)
8. International Journal of Mathematics and Mathematical Sciences (Hindawi)
9. Computers and Mathematics with Applications (Elsevier)
10. Mathematica Macedonica
11. Contributions(Prilozi)-MANU
12. Journal of Inequalities and Applications (Hindawi)
13. Electronic Journal of Differential Equations

PUBLICATION LIST

1. **books**

   [1] B.Ilievski and Ž.Tomovski, Selected parts of differential equations and complex functions, Skopje(2003)(ISBN - 9989-668-33-7),pp.225 (in Macedonian).

   [2] Ž.Tomovski, Solved problems of series and analytical functions, Skopje (2003)(ISBN 9989-668-38-8),pp.173(in Macedonian).

   [3] Ž.Tomovski,Calculus 2 (Mathematical Analysis 2), Prosvetno Delo, Skopje (2008)(ISBN 978-9989-0-0581-7),pp.192(in Macedonian)

2. **articles in journals/contributions to books**

[1] **Ž. Tomovski** , On the density on some special functions in L^2 – space and in complex region, Mat. Bilten **21** (1997), 111-116 .

[2] **Ž. Tomovski**, Convergence and integrability of cosine trigonometric sums with quasiconvex coefficients, Mat. Bilten **21** (1997), 117-120.

[3] **Ž. Tomovski**, Classes of L^1- convergence of Fourier and Fourie- Stiltjes series, Master thesis (1997), Faculty of Mathematical & Natural Sciences, Institute of Mathematics, Skopje (in Macedonian) .

[4] **Ž. Tomovski**, An application of the Hausdorff-Young inequality, Math. Inequal. Appl. **1** (4) (1998), 527-532 .

[5] **Ž. Tomovski** , A class of L^1- convergence, Makedon. Akad. Nauk. Umet. Oddel. Mat.-Tehn. Nauk. Prilozi 19 (1998), no. 1-2, 15-21 (1999) .

[6] **Ž. Tomovski**, A note on some classes of Fourier coefficients, Math. Inequal. Appl. **2**(1) (1999), 15-18 (ELEMENT) .

[7] **Ž. Tomovski** , Necessary and sufficient condition for L^1- convergence of cosine trigonometric series with $\delta-$quasi-monotone coefficients, Math. Commun. Vol. 4 , no..2 (1999), 219-224 .

[8] **Ž. Tomovski** , Two new L^1- estimates for trigonometric series with Fomin's coefficient condition, Makedon. Akad. Nauk. Umet. Oddel. Mat.-Tehn. Nauk. Prilozi 20 (1999), no.1-2, (2001), 39-44.

[9] **Ž. Tomovski**, Some classes of L^1- convergence of Fourier series, Mat. Bilten **24** (2000), 37-46.

[10] **Ž. Tomovski**, An extension of the Garrett-Stanojevic class, Approx. Theory Appl. (N. S.) **16** (2000) no.1, 46-51 (SPRINGER).

[11] **Ž. Tomovski**, Necessary and sufficient condition for convergence of complex trigonometric series, VESTNIK, Russian University of People's Friendship, Moscow, **7** (1) (2000), 139-145 .

[12] **Ž. Tomovski** , Generalization theorem on convergence and integrability for sine trigonometric series, Math. Inequal. Appl. **3** (3), (2000), 369-375 (ELEMENT).

[13] **Ž. Tomovski** , On a Bojanic-Stanojevic Type inequality and its Applications, JIPAM. J. Inequal. Pure Appl. Math.**1** (2000) (2), Article13, 4pp. (electronic) .

[14] **Ž. Tomovski**, Convergence and integrability on some classes of trigonometric series, PH. D.thesis, (2000) Faculty of Mathematics Natural Sciences, Institute of Mathematics, St. Kiril and Metodij University, Skopje (in Macedonian); see also: RGMIA Monographs, Victoria University, (URL: http://rgmia.vu.edu.au/monographs).

[15] **Ž. Tomovski**, An extension of the Sidon-Fomin type inequality and its applications, Math. Inequal. Appl. **4** (2), (2001) 231-238 (ELEMENT).

[16] **Ž. Tomovski**, New generalizations of the Telyakovskii inequalities, VESTNIK Russian University of People's Friendship, Moscow, **8** (1) (2001) pp.110-117 .

[17] **Ž. Tomovski**, Regularly-quasi-monotone sequences and trigonometric series, Adv. Stud. Contemp. Math. (Kyungshang) **4** (2001), no.1, 17-21.

[18] **Ž. Tomovski**, On Some Inequalities of Mitrinovic and Pecaric, Makedon. Akad. Nauk. Umet. Oddel. Mat.-Tehn. Nauk. Prilozi 22 (2001) no.1-2 , 21-28 (2003).

[19] **Ž. Tomovski**, A note on two inequalities of Telyakovskii type, RGMIA, Research Report Collection, **4** (1), Article 7, (2001) (electronic) .
(URL: http://melba.vu.edu.au/~rgmia/v4n1.html)

[20] **Ž. Tomovski**, Some classes of L^1 − convergence of Fourier series, Inequality theory and applications. Vol.I, 307-315, NOVA SCI. Publ., Huntington, NY, (2001), 320 pp. **ISBN**: 1-59033-188-5.

[21] **Ž. Tomovski** , Some results on L^1 − approximation of the r-th derivative of Fourier series, J. Inequal. Pure Appl. Math., **4** (1) (2002), Article 10, 11 pp. (electronic) .

[22] **Ž. Tomovski**, Some classes of L^1 − convergence of Fourier series , J. Comput. Anal. Appl, .4(1) (2002), 79-89 (SPRINGER).

[23] **Ž. Tomovski**, K. Trencevski, A solution of one problem of complex integration, Tamkang J. Math., 33 (2), (2002),103-107.

[24] **Ž. Tomovski**, On a paper of S.Zahid Ali Zenei, Tamkang J. Math., 33 (1), (2002), 31-34.

[25] **Ž. Tomovski**, Some classes of L^p (0<p<1)-convergence of trigonometric series, Tamkang J. Math., 33 (3), (2002), 275-283.

[26] K. Trencevski, **Ž. Tomovski**, On fractional derivatives of some functions of exponential type, Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. **13** (2002), 77-84 (2003).

[27] **Ž. Tomovski**, On the theorems of N.Singh and K.M.Sharma, Math.Commun.**7** (2), (2002) ,119-122 .

[28] **Ž. Tomovski,** Remarks on some classes of Fourier coefficients, Analysis Math. **29** (2), (2003), (Szeged-Moscow),165-170 (SPRINGER).

[29] K. Trencevski, **Ž. Tomovski**, A solution of one old problem, Math. Maced. **1**, (2003), 59-62.

[30] **Ž. Tomovski**, K. Trencevski, On an open problem of Bai-Ni Guo and Feng Qi, JIPAM. J. Inequal. Pure Appl. Math. 4 (2003) no.2, Article29, 7pp. (electronic).

[31] **Ž. Tomovski**, On a theorem of S. S. Bhatia and Babu Ram, Math.Commun. **8** (2003), no.2, 187-193.

[32] **Ž. Tomovski**, Some new inequalities for complex trigonometric polynomials with special coefficients, J. Inequal. Pure Appl. Math. 4 (2003) no.4, Article 78, 7pp. (electronic).

[33] **Ž. Tomovski**, Convergence and integrability on some classes of trigonometric series, Dissertationes Math. (Rozprawy Mat.) **420** (2003), 65pp. (Polish Acad. Sci. Inst. Math.-Warszawa).

[34] **Ž. Tomovski**, New double inequalities for Mathieu type series, Univ. Beograd. Publ. Elektrotehn. Fak. Ser.Mat.**15**, (2004), 80-84.

[35] H. M. Srivastava, **Ž. Tomovski**, Some problems and solutions involving Mathieu's series and its Generalizations, JIPAM. J. Inequal. Pure Appl. Math. 5 (2004) no.2, Article 45, 13pp. (electronic).

[36] **Ž. Tomovski**, Inequalities for Walsh polynomials with semi-monotone and semi-convex coefficients, JIPAM, J. Inequal. Pure Appl. Math., 6 (2005), no.4, Article 98, 7 pp. (electronic).

[37] Tibor Pogany, H.M.Srivastava, **Ž. Tomovski**, Some families of Mathieu **a**-series and Alternating Mathieu **a**-series, Appl. Math. Comput., 173 (2006) , no.1, 69-108 (ELSEVIER).

[38] Tibor Pogany, **Ž. Tomovski**, On multiple generalized Mathieu series, Integral Transforms Spec. Funct., 17 (2006) no.4, 285-293 (TAYLOR & FRANCIS).

[39] K. Trencevski, **Ž. Tomovski**, Algebraic approach to the fractional derivatives, Aust. J. Math. Anal. Appl., 3 (2006), no.2, Article 12, 7pp. (electronic).

[40] **Ž. Tomovski**, Inequalities for Walsh polynomials with semimonotone coefficients of higher order, Advances in Inequalities for Special Functions, 193-199, Chapter 12, Book Edited by P.Cerone and S.S.Dragomir (2007) **ISBN**: 1-60021-919-5 (NOVA SCIENCE).

[41] **Ž.Tomovski**, Integral representations of generalized Mathieu series via Mittag-Leffler type functions, Fract. Calc. Appl. Anal. Vol.10 (2) (2007), 127-138 (Institute of Mathematics & Informatics, Bulgarian Academy of Sciences, Sofia-Bulgaria).

[42] **Ž. Tomovski**, Generalization on some theorems of L^1-convergence of certain trigonometric series, Tamkang J. Math. 39 (2008), no.1, 63-74.

[43] N. Elezovic, **Ž. Tomovski**, Fractional derivative and formal power series, Int. J. Pure Appl. Math., 44 (2008), no.1, 1-7.

[44] Tibor Pogany, **Ž. Tomovski**, On Mathieu type series whose terms contain generalized hypergeometric function ${}_qF_p$ and Meijer's G-function, Math. Comput. Modelling , 47 (2008), no. 9-10, 952- 969 (ELSEVIER).

[45] **Ž. Tomovski**, Inequalities for Legendre polynomials with semi-monotone and semi-convex coefficients. God. Zb. Inst. Mat. Prir.-Mat. Fak. Univ. Kiril Metodij Skopje 41 (2008), 65-74.

[46] N. Elezovic, **Ž. Tomovski**, Riemann-Taylor expansions and fractional derivatives. Panamer. Math. J. 18 (2008), no.3, 15-29.

[47] **Ž. Tomovski**, New integral and series representations of the generalized Mathieu series. Appl. Anal. Discrete Math. 2 (2008), no.2, 205-212.

[48] **Ž. Tomovski**, Rudolf Hilfer, Some bounds for alternating Mathieu type series, J. Math. Inequal. 2 (2008), no.1, 17-26 (ELEMENT).

[49] N. Elezovic, H. M. Srivastava, **Ž. Tomovski**, Integral representations and integral transforms of some families of Mathieu type series., Integral Transforms Spec. Funct. 19 (2008), no.7-8, 481-495 (TAYLOR & FRANCIS).

[50] M. Krnic, **Ž. Tomovski**, J. Pecaric, Hilbert inequalities related to generalized hypergeometric functions ${}_mF_n$, Math. Balkanica, Vol. 22 (3-4), (2008), 307-322.

[51] Valentin Mircevski, **Ž. Tomovski**, Analytical solutions of integral equations for modeling of reversible electrode processes under voltammetric conditions, J. Electroanalytical Chemistry, Vol. 619-620 (2008), 164-168 (ELSEVIER).

[52] **Ž.Tomovski**, On Hankel Transforms of generalized Mathieu series, Fractional Calculus& Applied Analysis Vol.12 (1) (2009) , 97-107 (Institute of Mathematics & Informatics, Bulgarian Academy of Sciences, Sofia-Bulgaria).

[53] **Ž.Tomovski**, Vu Kim Tuan, On Fourier Transforms and Summation Formulas of Generalized Mathieu Series, Math. Sci. Research J. Vol.13 (1) (2009) ,1-10.

[54] V.Mirceski, **Ž.Tomovski**,Voltammetry based on Fractional Diffusion, J. Phys. Chemistry B, Vol. 113 (9) (2009), 2794-2799 .

[55] **Ž.Tomovski**, T.Pogany, New upper bounds for Mathieu-type series, Banach J. Math. Anal. 3 (2009) no.2, 9-15 .

[56] H.M.Srivastava, **Ž.Tomovski**, Fractional Calculus with an Integral Operator Containing a Generalized Mittag-Leffler Function in the Kernel, Appl. Math. Comput. Vol.211 (2009), 198-210 (ELSEVIER).

[57] Rudolf Hilfer, Y.Luchko, **Ž. Tomovski**, Operational method for solution of fractional differential equations with generalized Riemann-Liouville fractional derivative, Fractional Calculus& Applied Analysis Vol.12 (3) (2009) , 299-318 (Institute of Mathematics & Informatics, Bulgarian Academy of Sciences, Sofia-Bulgaria).

[58] T. Sandev, **Ž. Tomovski**, General Time Fractional Wave equation for a Vibrating String, J. Phys. **A**, Math. Theor. Vol.43 (5) (2010), 055204 (12pp) (IOP Publishing).

[59] Tibor Pogany, **Ž. Tomovski**, Bounds Improvement for Alternating Mathieu type series, J. Math. Inequal. Vol.4 (3) (2010), 315-324.

[60] **Ž. Tomovski**, Rudolf Hilfer, H. M. Srivastava, Fractional and Operational Calculus with Generalized Fractional Derivative Operators and Mittag-Leffler Type Functions, Integral Transforms Spec. Funct. Vo. 21, No. 11 (2010), 797-814 (TAYLOR & FRANCIS).

[61] **Ž.Tomovski,** Some new Integral Representations of generalized Mathieu series and alternating Mathieu series, Tamkang J. Math. Vol.41, No. 4 (2010) 303-312.

[62] **Ž.Tomovski**, T.Pogany, Integral expressions for Mathieu type power series and for the Butzer-Flocke-Hauss Ω function, Fractional Calculus& Applied Analysis, Vol.14 (4) (2011) , 623-634 (Springer).

[63] V.Mirceski, **Ž.Tomovski,** Modeling of a voltametric experiment in a limiting diffusion space, J. Solid State Electrochemistry, **15** (1) (2011), 197-204 (Springer).

[64] T. Sandev, **Ž. Tomovski**, Asymptotic behavior of a harmonic oscillator driven by a generalized Mittag-Leffler noise, Phys. Scr. **82** (2010) 065001 (4pp) (IOP Publishing).

[65] T. Sandev, Ralf Metzler, **Ž. Tomovski**, Fractional diffusion equation with a generalized Riemann-Liouville time fractional derivative, J. Phys. A: Math. Theor. **44** (2011) 255203 (21 pp) (IOP Publishing).

[66] T. Sandev, **Ž. Tomovski,** Johan L.A.Dubbeldam, Generalized Langevin Equation with a Three Parameter Mittag-Leffler Noise, Physica A, Statistical Mechanics and its Applications, (2011) **390** , 3627-3636 (Elsevier).

[67] **Ž. Tomovski**, T. Sandev, Effects of a Fractional Friction with Power Law Memory Kernel on String Vibrations, Computers and Mathematics with Applications (Special Issue on Advances in FDE, Vol. 2) (2011) **62** , 1554-1561 (Elsevier).

[68] **Ž. Tomovski**, D. Leskovski, T. Pogany, Upper bounds on Multiple Generalized Mathieu Series, Journal of Mathematical Inequalities (2011), Vol. 5 (4), 557-563 (Element).

[69] **Ž. Tomovski**, T. Sandev, R. Metzler, J. L. A. Dubbeldam, Generalized space-time fractional diffusion equation with composite fractional time derivative, (18 pages) Physica A, Statistical Mechanics and its Applications (2012), **391** (8), 2527-2542 (Elsevier).

[70] **Ž. Tomovski**, Generalized Cauchy type problems for nonlinear fractional differential equations with composite fractional derivative operator, (21 pages) Nonlinear Analysis: Theory, Methods & Applications (2012), Vol. 75 (7), 3364-3384 (Elsevier).

[71] Tibor K. Pogany, **Ž. Tomovski**, Delco Leškovski, Two-sided bounds for the complete Butzer-Flocke-Hauss omega function, Matematicki Vesnik 65 (1) (2013) 104-121.

[72] **Ž. Tomovski**, T. Sandev, Fractional Wave Equation with a Frictional Memory Kernel of Mittag-Leffler type, Appl. Math. Comput. Vol. 218, No. 20, 10022-10031 (2012).

[73] **Ž. Tomovski,** Ram Saxena, Tibor K. Pogany, Probability distributions associated with Mathieu type series, Probab. Stat. Forum Vol 5 , July (2012), 86-96.

[74] T. Sandev, R. Metzler, **Ž. Tomovski,** Velocity and displacement correlation functions for fractional generalized Langevin equations, Fract. Calc. Appl. Anal. (2012), Vol. 15 (3), 426-450 (Springer).

[75] **Ž. Tomovski** , R. Garra, Analytic solutions of fractional integro-differential equations of Volterra type with variable coefficients, Fract. Calc. Appl. Anal., Vol. 17 (1), (2014), 38-60 (Springer).

[76] **Ž. Tomovski**, T. Sandev, Exact solutions for fractional diffusion equation in a bounded domain with different boundary conditions, Nonlinear Dynamics, 71(4), (2013) 671-683.

[77] T. Sandev, R. Metzler, **Ž. Tomovski,** Correlation functions for the fractional generalized Langevin equation in the presence of internal and external noise, J. Math. Physics, Vol. 55 (2) (2014) (AIP).

[78] T. Sandev, **Ž. Tomovski,** Langevin equation for a free particle driven by power law type of noises, Physics Letters A, Vol. 378 (1-2), 1-9 (2014).

[79] R. Garra, R. Gorenflo, F. Polito, **Ž. Tomovski,** Hilfer-Prabhakar derivatives and some applications, Appl. Math. Comput. 242 (2014), 576-589 (Elsevier).

[80] R. K. Saxena, **Ž. Tomovski,** T. Sandev, Fractional Helmholtz equation with Riesz-Feller and generalized Riemann-Liouville fractional derivatives, Eur. J. Pure Appl. Math. 7 (2014), no. 3, 312-334.

[81] **Ž. Tomovski,** T. K. Pogany, H. M. Srivastava, Laplace integral expressions associated with the three parameter Mittag-Leffler function and its complete monotonicity, J. Franklin Institute, 351 (2014), 5437-5454.

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[83] J. L. Dubbeldam, **Ž. Tomovski,** T. Sandev, Space-time fractional Schrodinger equation with composite time fractional derivative, Fractional Calculus and Applied Analysis, Vol. 18 (5) (2015).

[84] **Ž. Tomovski,** J. Pecaric, G. Farid, Weighted Opial inequalities for fractional integral and differential operators involving generalized Mittag-Leffler functions, Fractional Differential Calculus, Vol. 5 (1) (2015) 93-106.

[85] H. M. Srivastava, **Ž. Tomovski,** D. Leskovski, Some Families of Mathieu type series and Hurwitz-Lerch Zeta functions and associated probability distributions, Applied and Computational Mathematics, An international journal, Vol. 14 (3) (2015) .

[86] G. Farid, J. Pecaric, **Ž. Tomovski,** Generalized Opial-type inequalities for differential and integral operators with special kernels in fractional calculus, J. Math. Inequal, Volume 10, Number 4 (2016), 1019–1040

[87] F. Polito, **Ž. Tomovski**, Some properties of Prabhakar type fractional calculus operators, Fractional Differential Calculus , Vol. 6 (1) (2016), 73-94.

[88] T. K. Pogany, **Ž. Tomovski**, Probability distribution built by Prabhakar function. Related Turan and Laguerre inequalities, Integral Transform and Special Functions 27 (2016), No. 10, 783-793.

[89] S.Iqbal, J.Pecaric, M.Samraiz, **Ž. Tomovski**, Hardy type inequalities for generalized fractional

integral operators, Tbilisi Math. Journal, Vol. 10(1) (January 2017).

[90] T. Sandev, **Ž. Tomovski**, B.Crnkovic, Generalized distributed order diffusion equations with composite time fractional derivative, Computers and Mathematics with Applications, Volume 73, Issue 6, (2017) 1028-1040.

[91] S.Iqbal, J.Pecaric, M.Samraiz, **Ž. Tomovski,** On some Hardy type inequalities for fractional calculus operators, Banach J. Math. Anal. Appl. Vol. 11 (2) (2017) 438-457.

[92] **Ž. Tomovski** , J.Pecaric , G. Farid, Weighted Opial type inequalities for fractional integral and differential operators involving generalized Mittag-Leffler functions, European J. Pure and Applied Math. Vol. 10 (3) (2017) , 419-439.

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