CURRICULUM VITAE

1. **VU KIM TUAN**
   Professor, PhD, Dr.Sci.
   Department of Mathematics, Science, and Technology
   College of Art, Culture, and Scientific Inquiry
   University of West Georgia
   1601 Maple Street
   Carrollton, GA 30118, USA
   e-mail: vu@westga.edu

2. **University Education**

   - October 23, 1987:   Doctor of Science (Mathematics and Physics), Belarusian State University, Minsk, Belarus

   - June 12, 1985:   Doctor of Philosophy (Mathematics and Physics), Belarusian State University, Minsk, Belarus

   - June 1984:   Master of Science with Honor (Mathematics), Belarusian State University, Minsk, Belarus

3. **Employment Record**

   - 2020 – present : Professor, Department of Mathematics, Science, and Technology, University of West Georgia, Carrollton, GA, USA

   - 2003 – 2020 : Marion Crider Distinguished Chair, Department of Mathematics, University of West Georgia, Carrollton, GA, USA

   - 1999 – 2003 : Professor, Department of Mathematics and Computer Science, Kuwait University, Kuwait

   - 1994 – 1999 : Associate Professor, Department of Mathematics and Computer Science, Kuwait University, Kuwait

   - 1993 – 1994 : Alexander von Humboldt Postdoctoral Fellow, Free University of Berlin, Berlin, Germany

   - 1989 – 1992 : Senior Researcher, Hanoi Institute of Mathematics, Hanoi, Vietnam

   - 1985 – 1988 : Postdoctoral Fellow, Belarusian State University, Minsk, Belarus

4. **Plenary and Invited Talks**

- April, 1987 : Plenary Speaker, All-Union Conference on Classical and Nonclassical Boundary Value Problems of Partial Differential Equations, Special Functions, Integral Equations and Their Applications, Kuybyshev, Russia

- September, 1990 : Invited Speaker and Chairperson, 4th Congress of Vietnamese Mathematicians, Hanoi, Vietnam

- June, 1992 : Organizer and Invited Speaker, Conference on New Trends in Mathematics and Applications, Quynhon, Vietnam

- August, 1994 : Invited Speaker and Chairperson, International Workshop on Transform Methods and Special Functions, Sofia, Bulgaria

- August, 1996 : Plenary Address and Chairperson, Second International Workshop on Transform Methods and Special Functions, Varna, Bulgaria

- February, 1998 : Invited Speaker and Chairperson, International Conference on Inverse Problems and Applications, Quezon, Philippines

- May, 1998 : Organizer and Invited Speaker, International Conference on Fourier Analysis and Applications, Kuwait

- January, 1999 : Invited Speaker and Chairperson, Regional Workshop on Analysis and Numerics for Inverse Problems, Kiryu, Japan

- July, 1999 : Invited Speaker and Chairperson, International Conference on Feynmann Integrals and Related Topics, Seoul, South Korea

- January, 2001 : Invited Speaker, First International Conference on Industrial and Applied Mathematics in Indian Subcontinent and Sixth Annual Conference of ISIAM, Amritsar, India

- February, 2001 : Plenary Speaker and Chairperson, International Conference on Analytic Methods of Analytic and Differential Equations, Minsk, Belarus

- August, 2002 : Invited Speaker and Chairperson, International Conference on Abstract and Applied Analysis (ICAAA 2002), Hanoi, Vietnam

- June, 2005 : Invited Speaker, 2nd International Conference on Abstract and Applied Analysis, Quynhon University of Education, Quynhon, Vietnam

- September, 2005 : Plenary Speaker and Chairperson, International Conference on Harmonic Analysis and Approximations III, Institute of Mathematics, Tsakhadzor, Armenia

- June, 2006 : Plenary Speaker, 2nd IMT-GT 2006 Regional Conference on Mathematics, Statistics and Applications, Universiti Sains Malaysia, Penang, Malaysia

- September, 2006 : Plenary Speaker and Chairperson, 4th International Conference on Analytical Methods of Analysis and Differential Equations (AMADE-2006), Belarusian State University, Minsk, Belarus

- May, 2007 : Invited Speaker and Chairperson, International Conference on Applied Analysis, CINVESTAV-IPN, Queretaro, Mexico

- July, 2007 : Invited Speaker, Workshop on Applied Analysis and Differential Equations, Hanoi Institute of Mathematics, Hanoi, Vietnam

- August, 2008 : Invited Speaker, 6th Congress of Vietnamese Mathematicians, Quynhon, Vietnam

- May, 2011 : Invited Speaker, Workshop on New Trends in Modern Mathematics, Hong Duc University, Thanh Hoa, Vietnam

- October, 2011: Plenary Speaker, 6th International Conference on Transform Methods and Special Functions, Sofia, Bulgaria

- July-August, 2012: Plenary Speaker and Chairperson, 20th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications, Hanoi University of Science and Technology, Hanoi, Vietnam

- July, 2013: Invited Speaker, Workshop of Department of Mathematics, Quynhon University, Quynhon, Vietnam

- August, 2013: Session Invited Speaker, 9th ISAAC Congress, Krakow, Poland

- November, 2013: Opening Plenary Speaker and Chairperson, 2013 International Conference on Waves in Science and Engineering, Huatulco, Mexico

- May, 2015: Plenary Speaker and Chairperson, Workshop on Feynman Integral with Harmonic Analysis and Related Topics, Daejeon, South Korea

- August, 2015: Session Invited Speaker and Chairperson, 10th ISAAC Congress, Macau, China

- August, 2017: Session Invited Speaker, 11th ISAAC Congress, Vaxjo, Sweden

- December, 2019: Invited Speaker, Workshop on Fractional Models in Science & Engineering, KFUPM, Dhahran, Saudi Arabia

Conference Attended

- February, 1981 : Anniversary Conference on Boundary Value Problems in memory of Belarusian Academician Gakhov's 75th Jubilee, Minsk, Belarus

- September, 1981 : Conference on Differential Equations and Applications, Leningrad (Saint–Petersburg), Russia

- May, 1983 : Second International Conference on Complex Analysis and Applications, Varna, Bulgaria

- August, 1990 : International Congress of Mathematicians - 90, Kyoto, Japan

- August, 1993 : Second International Gauss Symposium, Munich, Germany

- August-September, 1993 : International Conference on Inverse Problems: Principles and Applications in Geophysics, Technology and Medicine, Potsdam, Germany

- November, 1993 : Interdisciplinary Meeting on Inverse Problems and Nonlinear Evolutions, Montpellier, France

- May, 1996 : International Workshop on the Recent Advances in Applied Mathematics, Kuwait

- January, 2000 : International Conference on Mathematical Analysis and its Applications 2000, Kaoshiung, Taiwan

- January, 2002 : International Conference on Factorization, Singular Operators, and Related Problems, Madeira, Portugal

- March, 2002 : UAB02 International Conference on Differential Equations and Mathematical Physics, Birmingham, USA

- August-September, 2002 : International Conference on Nonlinear Partial Differential Equations - Theory and Approximation, Hong Kong

- March, 2004 : American Mathematical Society Meeting, Athens, Ohio, USA

- March, 2005 : American Mathematical Society Meeting, Bowling Green, Kentucky, USA

- March-April, 2005 : UAB05 International Conference on Differential Equations and Mathematical Physics, Birmingham, Alabama, USA

- July, 2005 : Asian Mathematical Conference AMC2005, Singapore

- July, 2007 : The 8th International Conference on Fixed Point Theory, Chiangmai, Thailand

- May-June, 2012 : International Conference on Applied Mathematics 2012, Modeling, Analysis & Computation, City University of Hong Kong, Hong Kong

- June, 2014 : The 10th East Asia SIAM Conference, Pattaya, Thailand

- July, 2014 : The 10th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Madrid, Spain

- June, 2015 : Chairperson, 2nd International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM2015), Istanbul, Turkey

- June-July, 2016 : The 8th International Conference on Inverse Problems and Related Topics (ICIP2016), Seoul, South Korea
- July, 2016 : International Conference on Fractional Differentiation and its Applications, Novi Sad, Serbia
- January, 2017 : 2017 Joint Mathematical Meetings, Atlanta, GA, USA
- February, 2017 : Optical Imaging and Inverse Problems, IMA, Minneapolis, MN, USA
- June, 2017 : The 12th East Asia SIAM Conference 2017, Seoul, South Korea
- July, 2018 : The 12th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Taipei, Taiwan

Seminar and Colloquium Presentations

- March, 1987: Professor A. P. Prudnikov's Seminar, Computer Center of USSR Academy of Sciences, Moscow, Russia
- April, 1987 : Professor S. B. Steckin's Seminar, Belarusian State University, Minsk, Belarus
- May, 1987 : Professor A. I. Ianusauskas' Seminar, Lithuania Institute of Mathematics and Cybernetics, Vilnius, Lithuania
- June, 1987 : Professor I. A. Kipriyanov's Seminar, Voronez State University, Voronez, Russia
- September, 1987 : Academician S. M. Nikol'skii's Seminar, Steklov Institute of Mathematics, Moscow, Russia
- January, 1994 : Colloquium, Faculty of Mathematics and Informatics, Free University of Berlin, Berlin, Germany
- November, 1994 : Colloquium, Department of Mathematics and Computer Science, Kuwait University, Kuwait
- March, 1995 : Colloquium, Department of Mathematics and Computer Science, Kuwait University, Kuwait
- August, 1995 : Seminar, University of Tokyo, Tokyo, Japan
- September, 1995 : Seminar, Fukuoka University, Fukuoka, Japan
- August, 1997 : Seminar, Wolfram Research, Champaign, USA
- October, 1997 : Colloquium, Department of Mathematics and Computer Science, Kuwait University, Kuwait
- June, 1999 : Series of 3 Lectures, Fukuoka University, Fukuoka, Japan
- July, 1999 : Seminar, Kyushu University, Fukuoka, Japan
- April, 2002 : Colloquium, Department of Mathematics and Computer Science, Kuwait University, Kuwait
- May, 2002 : Seminar, Department of Mathematics, University of Bahrain, Bahrain

- September, 2002 : Prof. R. Wong's Seminar, City University of Hong Kong, Hong Kong
- January, 2003 : Colloquium, Department of Mathematics, State University of West Georgia, USA
- July, 2004 : Seminar, Section of Numerical Analysis, Hanoi Institute of Mathematics, Hanoi, Vietnam
- December, 2004 : Colloquium and Seminar, Department of Mathematics and Computer Science, Kuwait University, Kuwait
- April, 2006 : Series of 3 Lectures, University of Hassan II, Casablanca, Morocco
- May, 2006 : Seminar, Department of Pure Mathematics, University of Porto, Porto, Portugal
- April, 2007 : Distinguished Lecture, College of Arts and Sciences, University of West Georgia
- May, 2008 : Colloquium and Seminar, Department of Mathematics and Computer Science, Kuwait University, Kuwait
- January, 2009 : Colloquium, Hanoi Institute of Mathematics, Hanoi, Vietnam
- March, 2009 : Seminar, Department of Pure Mathematics, University of Porto, Porto, Portugal
- March, 2010: Series of 6 two-hour seminars, Department of Mathematics, Hanoi University of Education, Hanoi, Vietnam
- March, 2010: Series of 3 seminars, Department of Mathematics, Quynhon University, Quynhon, Vietnam
- April, 2010: Two-hour seminar, Department of Mathematics, Hanoi University of Technology, Hanoi, Vietnam
- April, 2010: Seminar, Chair of Mathematics, International University, Vietnam National University, HoChiMinh City, Vietnam
- April, 2010: Two-hour seminar, Department of Mathematics and Computer Science, University of Natural Sciences, HoChiMinh City, Vietnam
- May, 2010: Colloquium, Department of Mathematical Education, Saigon University, HCM City, Vietnam
- May, 2011: Two-hour seminar, Department of Mathematics, Hanoi University of Technology, Hanoi, Vietnam
- July, 2011: Two-hour seminar, Undergraduate Student Summer School, Hanoi Institute of Mathematics, Hanoi, Vietnam
- May, 2012: Two-hour seminar, School of Applied Mathematics and Informatics, Hanoi University of Science and Technology, Hanoi, Vietnam
- June, 2012: Two-hour colloquium, Department of Mathematics, Quynhon University, Quynhon, Vietnam

- November, 2012: Colloquium, Department of Mathematics and Philosophy, Columbus State University, Columbus, GA, USA

- April, 2013: Colloquium, Department of Mathematics and Statistics, University of Alaska Fairbanks, Fairbanks, AK, USA

- June, 2013: Two-hour seminar, School of Applied Mathematics and Informatics, Hanoi University of Science and Technology, Hanoi, Vietnam

- July, 2013: Colloquium, Department of Mathematics, Quynhon University, Quynhon, Vietnam

- May, 2014: Two-hour seminar, School of Applied Mathematics and Informatics, Hanoi University of Science and Technology, Hanoi, Vietnam

- June, 2014: Two-hour colloquium, Department of Mathematics, Quynhon University, Quynhon, Vietnam

- June, 2015: Two-hour seminar, School of Applied Mathematics and Informatics, Hanoi University of Science and Technology, Hanoi, Vietnam

- June, 2015: Two-hour seminar, Department of Mathematics, Quynhon University, Quynhon, Vietnam

- May, 2016: Two-hour seminar, Vietnam Institute for Advanced Study in Mathematics, Hanoi, Vietnam

- May, 2016: Two-hour seminar, Department of Mathematics, Quynhon University, Quynhon, Vietnam

- May, 2017: Two-hour seminar, School of Applied Mathematics and Informatics, Hanoi University of Science and Technology, Hanoi, Vietnam

- July, 2017: Two-hour seminar, Department of Mathematics, Quynhon University, Quynhon, Vietnam

- May, 2018: Two-hour seminar, School of Applied Mathematics and Informatics, Hanoi University of Science and Technology, Hanoi, Vietnam

- June, 2018: Two-hour seminar, Department of Mathematics, Quynhon University, Quynhon, Vietnam

- May, 2019: Two-hour seminar, School of Applied Mathematics and Informatics, Hanoi University of Science and Technology, Hanoi, Vietnam

- June, 2019: Three two-hour seminars, Department of Mathematics, Quynhon University, Quynhon, Vietnam

5. **Visiting Positions**

- Friedrich-Schiller University, Jena, Germany, April-May 1988, November 1993

- Belarusian State University, Minsk, Belarus, September-December 1990
- Hue College of Education, Hue, Vietnam, October-November 1991
- Quynhon University, Quynhon, Vietnam, February-March 1992, March 2010, June 2012, July 2013, June 2014, June 2015, May 2016, July 2017, June 2018, July 2019
- Free University of Berlin, Berlin, Germany, January 1993-September 1994, January-February 1996
- Fukuoka University, Fukuoka, Japan, August-September 1995, June-July 1999
- University of Tokyo, Tokyo, Japan, August-September 1995
- Wolfram Research, Champaign, USA, July-August 1997
- Gunma University, Kiryu, Japan, January 1999
- City University of Hong Kong, Hong Kong, August-September 2002
- Hanoi Institute of Mathematics, Hanoi, Vietnam, July 2004, May 2007, January 2009
- Kuwait University, Kuwait, December 2004, May 2008, September-December 2009
- University of Hassan II, Casablanca, Morocco, April-May 2006
- University of Porto, Porto, Portugal, May 2006, March-April 2009
- Hanoi University of Education, Hanoi, Vietnam, March 2010
- International University, Vietnam National University-HoChiMinh City, Vietnam, April-May 2010
- King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia, December 2019

6. **Conference Organizing**

- Member of the Organizing Committee of the Conferences on New Trends in Mathematics and Applications, June 1992, Quy Nhon, Vietnam
- Member of the Program and Organizing Committees of the International Conference on Fourier Analysis and Applications FAA 98, May 1998, Kuwait
- Member of the Program and Scientific Committees of the International Conference on Abstract and Applied Analysis ICAAA 2002, August 2002, Hanoi, Vietnam
- Organizer of the Workshop on Inverse Problems, February 2004, Carrollton, Georgia, USA
- Organizer of the Workshop on Sampling, Spectral Theory and Their Applications, April 2005, Carrollton, Georgia, USA

- Member of the Scientific Committee of the International Conference on Abstract and Applied Analysis ICAAA 2005, June 2005, Quy Nhon, Vietnam
- Organizer of the Special Session on Integral Transforms and Applications at 5th ISAAC Congress, July 2005, Catania, Italy
- Member of the Scientific Advisory Committee of the International Conference on Abstract and Applied Analysis ICAAA-2005, June 2005, Quynhon, Vietnam
- Member of the Scientific Advisory Committee of the 4th International Conference "Analytic Methods of Analysis and Differential Equations AMADE-2006", September 2006, Minsk, Belarus
- Member of the Coordination Group, International Mathematical Olympiads IMO 48, July 2007, Hanoi, Vietnam
- Member of the Scientific Advisory Committee of the 8th International Workshop "Analytic Methods of Analysis and Differential Equations AMADE-2015, dedicated to the memory of professor A.A. Kilbas (1948-2010)", September 2015, Minsk, Belarus
- Organizer of the Special Session on Inverse Problems and Applications at 2017 Joint Mathematical Meetings, January 2017, Atlanta, GA, USA
- Member of the International Advisory Committee of the 2nd International Conference on "Recent Advances in Mathematical Sciences and its Applications" (RAMSA-2017), December 2017, New Delhi, India
- Member of the Scientific Advisory Committee of the 9th International Workshop "Analytic Methods of Analysis and Differential Equations AMADE-2018", dedicated to 70th anniversary of Professor A. A. Kilbas (1948–2010), September 2018, Minsk, Belarus
- Local Host for Intergers Conferences, October 2003, 2005, and 2007, University of West Georgia, Carrollton, Georgia, USA

7. **Ph.D. Supervision**

- Grinkevich G.V. Some integral equations containing the hypergeometric functions of two and three variables in the kernels. Ph.D. Dissertation, Belarusian State University, Minsk, 1987 (Co-supervisor).
- Nguyen Thanh Hai. The functions of hypergeometric type of two variables and two-dimensional integral transforms. Ph.D. Dissertation, Belarusian State University, Minsk, 1990 (Co-supervisor).
- Nguyen Thi Tinh. Some finite summation formulas and relations between Legendre, Bernoulli, and Euler polynomials. Ph.D. Dissertation, Hanoi Institute of Mathematics, Hanoi, 1997.
- Dinh Thanh Duc. Some problems in the theory of integral transforms. Ph.D. Dissertation, Hanoi Institute of Mathematics, Hanoi, 2000.

- Tran Dinh Phung, Some integral inequalities of differential operators on time scales and applications. Ph.D. Dissertation, Department of Mathematics, Quy Nhon University, Quy Nhon, 2017 (Co-supervisor).

8. **Editorship**

- Editorial Board (2006 and since 2012) and Associate Editor (2007-2012) of "Integral Transforms and Special Functions"
- Editor of "Armenian Journal of Mathematics" since foundation 2008
- Editor of "Acta Mathematica Vietnamica" since 2008
- Editor of "Fractional Calculus and Applied Analysis. An International Journal" since foundation 1998
- Editor of "Fractional Differential Calculus" since 2014
- Editor of "Control and Systems Engineering" since 2017
- Editor of "East–West Journal of Mathematics" since foundation 1998
- Editor of "Kuwait Journal of Science & Engineering", 2002-2003
- Editor of "International Journal on Nonlinear Mathematical Analysis", 2002
- Editorial Advisor of "Journal of Rajasthan Academy of Physical Sciences" since 2002
- Editorial Advisor of "Revista Tecnica de la Facultad de Ingenieria Universidad del Zulia" since 1993
- Guest Editor of "Numerical Functional Analysis and Optimization", Volume 121(2000), Double Issue No 1 & 2
- N.M. Chuong, L. Nirenberg, W. Tutschke, and Vu Kim Tuan (Editors) *Abstract and Applied Analysis*, Proceedings of the International Conference held in Hanoi, August 17-21, 2002, World Sci. Publ., River Edge, NJ, 2004, 567 pp.
- N.M. Chuong, Yu.V. Egorov, A. Khrenikov, Y. Meyer, D. Mumford, and Vu Kim Tuan (Editors) *Harmonic, Wavelet and p-Adic Analysis*, Papers from the International Summer School held at Quy Nhon University of Vietnam, Quy Nhon, June 10-15, 2005, World Sci. Publ., Hackensack, NJ, 2007, 381 pp.
- N.M. Chuong, P.G. Ciarlet, P. Lax, D. Mumford, D.H. Phong, and Vu Kim Tuan (Editors) *Advances in Deterministic and Stochastic Analysis*, Papers from the 2nd International Conference on Abstract and Applied Analysis held in Quy Nhon, June 4-9, 2005, World Sci. Publ., Hackensack, NJ, 2007, 360 pp.
- C.M. da Fonseca, Dinh Van Huynh, S. Kirkland, and Vu Kim Tuan (Editors) *A Panorama of Mathematics: Pure and Applied*, Contemporary Mathematics, v. 658, AMS, 2016, 279 pp.

9. **Publications**

1. Marichev O.I. and Vu Kim Tuan. Some properties of the q-gamma function $\Gamma_q(z)$ (Russian). *Dokl. Akad. Nauk BSSR* **26**(1982), no 6, p. 488-491.

2. Kilbas A.A. and Vu Kim Tuan. A multidimensional analogue of Abel's integral equation (Russian). *Dokl. Akad. Nauk BSSR* **26**(1982), no 10, p. 879-881.

3. Chikhanov Kh.A. and Vu Kim Tuan. The third differential equation for certain Kummer series (Russian). *Izv. Vyssh. Uchebn. Zaved. Mat.* No **12**(1982), p. 79-80, translation in Sov. Math. 26(1982), no 12, p. 94.

4. Marichev O.I. and Vu Kim Tuan. The definition of a general G-function of two variables, its special cases and differential equations (Russian). *VINITI Reprint* 11. 11. 1982, No 687-83, 23 pp.

5. Vu Kim Tuan. Regular solutions of a degenerate partial differential equation (Russian).*VINITI Reprint* 29. 08. 1982, No 4642-82, 11 pp.

6. Vu Kim Tuan. Volterra integral equations containing the functions F_2 and G_2 in the kernel (Russian). *Dokl. Akad. Nauk Armyan SSR* **77**(1983), no 5, p. 201-204.

7. Vu Kim Tuan. Dimension of the manifolds of solutions of a system of partial differential equations (Russian). *Izv. Vyssh. Uchebn. Zaved. Mat.* No **10**(1983), p. 18-21, translation in Sov. Math. 27(1983), no. 10, p. 22-27.

8. Marichev O.I. and Vu Kim Tuan. The definition of a general G-function of two variables, its special cases and differential equations (Russian). *Differentsial'nye Uravneniya* **19**(1983), no 10, p. 1797-1799.

9. Vu Kim Tuan. The best parallel factorization in a problem of exchange of information (Russian). *Dokl. Akad. Nauk BSSR* **27**(1983), no 5, p. 399-401.

10. Marichev O.I. and Vu Kim Tuan. The problems of definitions and symbols of G- and H-functions of several variables. *Rev. Tecn. Fac. Ingr. Univ. Zulia, Edicion Especial* **6**(1983), p. 144-151.

11. Vu Kim Tuan. On the number of solutions of a system of partial differential equations (Russian). *Differentsial'nye Uravneniya* **20**(1984), no 11, p. 1989-1992.

12. Vu Kim Tuan. An application of representations of groups to the calculation of integrals containing the Appell functions F_1 and F_2 (Russian). *VINITI Reprint* 12. 11. 1985, No 7908-B, 8 pp.

13. Vu Kim Tuan. A two-dimensional Volterra integral equation with a difference kernel containing a Horn function (Russian). *Complex Analysis and Applications '83* (Varna, 1983), p. 314-321, Bulgar. Acad. Sci., Sofia, 1985.

14. Marichev O.I. and Vu Kim Tuan. Some Volterra equations with the Appell function F_1 in the kernel (Russian). *Scientific Works of the Jubilee Seminar on Boundary Value Questions*, Collect. Artic., p. 167-172, Minsk, 1985.

15. Marichev O.I. and Vu Kim Tuan. Composition structure of some integral transformations of convolution type (Russian). *Reports of the extended sessions of a seminar of the I.N. Vekua Institute of Applied Mathematics* (Tbilisi, 1985) **1**(1985), no 1, p. 139-142, Tbilisi Gos. Univ., Tbilisi, 1985.

16. Vu Kim Tuan. Integral transformations of Fourier type in a new class of functions (Russian). *Dokl. Akad. Nauk BSSR* **29**(1985), no 7, p. 584-587.

17. Vu Kim Tuan. On n-ary integral equations (Russian). *Ukrain. Mat. Zh.* **37**(1985), no 4, p. 430-437, translation in Ukr. Math. J. 37(1985), p. 340-346.

18. Vu Kim Tuan and Yakubovich S.B. The Kontorovich-Lebedev integral transformation in a new class of functions (Russian). *Dokl. Akad. Nauk BSSR* **29**(1985), no 1, p. 11-14, translation in Amer. Math. Soc. Transl. (2) 137(1987), p. 61-65.

19. Vu Kim Tuan. *Some Problems of the Theory and Applications of Functions of Hypergeometric Type* (Russian). Ph. D. Dissertation, Byelorussian State University, Minsk, 1985, 118 pp.

20. Vu Kim Tuan. On the factorization of integral transformations of convolution type in the space L_2^{Φ} (Russian). *Dokl. Akad. Nauk. Armyan SSR* **83**(1986), no 1, p. 7-10.

21. Vu Kim Tuan. On the theory of generalized integral transforms in a certain function space (Russian). *Dokl. Akad. Nauk SSSR* **286**(1986), no 3, p. 521-524, translation in Soviet Math. Dokl. 33(1986), no 1, p. 103-106.

22. Vu Kim Tuan. On the theory of Volterra integral equations with special functions in the kernels (Russian). *Dokl. Akad. Nauk BSSR* **30**(1986), no 8, p. 689-691.

23. Vu Kim Tuan, Marichev O.I. and Yakubovich S.B. Composition structure of integral transformations (Russian). *Dokl. Akad. Nauk SSSR* **286**(1986), no 4, p. 786-790, translation in Soviet Math. Dokl. 33(1986), no 1, p. 166-170.

24. Marichev O.I., Adamchik V.S. and Vu Kim Tuan. Solutions of a generalized hypergeometric differential equation (Russian). *Dokl. Akad. Nauk BSSR* **30**(1986), no 10, p. 876-878.

25. Vu Kim Tuan. A multiplication theorem for generalized hypergeometric functions (Russian). *Vestnik Beloruss. Gos. Univ. Ser. I* No **2**(1986), p. 42-44.

26. Vu Kim Tuan and Dinh Hoang Anh. The generalized hypergeometric functions $_3F_2$ with special values of the argument and parameters (Russian). *Vestnik Beloruss. Gos. Univ. Ser. I* No **1**(1986), p. 53-56.

27. Yakubovich S.B. and Vu Kim Tuan. On the Kontorovich-Lebedev transform (Russian). *Equations of Nonclassical Type*, Collect. Sci. Works, p. 194-197, Novosibirsk, 1986.

28. Vu Kim Tuan. Generalized integral transformations of convolution type in some space of functions. *Complex Analysis and Applications '85* (Varna, 1985), p. 720-735, Bulgar. Acad. Sci., Sofia, 1986.

29. Marichev O.I. and Vu Kim Tuan. The factorization of G-transform in two spaces of functions. *Complex Analysis and Applications '85* (Varna, 1985), p. 418-433, Bulgar. Acad. Sci., Sofia, 1986.

30. Vu Kim Tuan and Kalla S.L. Some transformations and integral representations of Horn's functions. *Rev. Tecn. Fac. Ingr. Univ. Zulia, Edicion Especial* **10**(1987), no 1, p. 81-94.

31. Yakubovich S.B., Vu Kim Tuan., Marichev O.I. and Kalla S.L. A class of index integral transforms. *Rev. Tecn. Fac. Ingr. Univ. Zulia, Edicion Especial* **10**(1987), no 1, p. 105-118.

32. Vu Kim Tuan. Application of representations of groups to the calculation of some multiple integrals that contain the Tricomi function (Russian). *Vestsi Akad. Navuk BSSR Ser. Fiz. Mat. Navuk* No **3**(1987), p. 36-40.

33. Vu Kim Tuan and Grinkevich G.V. Solvability of a certain class of two-dimensional integral equations of Abel type (Russian). *Dokl. Akad. Nauk BSSR* **31**(1987), no 7, p. 589-592.

34. Vu Kim Tuan. *Integral Transforms and Their Composition Structure* (Russian). Dr. Sci. Dissertation, Byelorussian State University, Minsk, 1987, 275 pp.

35. Vu Kim Tuan and Marichev O.I. Fractional integrals and derivatives as integral transforms (Russian), p. 511-529. §36 in Samko S.G., Kilbas A.A., Marichev O.I. "*Fractional Integrals and Derivatives. Theory and Applications*". Nauka i Teknika, Minsk, 1987, translated by Gordon and Breach, 1993, p. 703-730.

36. Vu Kim Tuan. New classes of integral transforms with respect to an index (Russian). *Dokl. Akad. Nauk SSSR* **299**(1988), no 1, p. 30-35, translation in Soviet Math. Dokl. 37(1988), no 2, p. 317-321.

37. Vu Kim Tuan. Some integral transforms of Fourier convolution type (Russian). *Dokl. Akad. Nauk SSSR* **300**(1988), no 3, p. 521-525, translation in Soviet Math. Dokl. 37(1988), no 3, p. 669-673.

38. Vu Kim Tuan and Yakubovich S.B. Kontorovich-Lebedev transformation of functions that admit exponential growth (Russian). *Mat. Fiz. Nelinein. Mekh.* No **9**(43)(1988), p. 6-9.

39. Vu Kim Tuan. Some integral transformations with a Macdonald function in the kernel (Russian). *Current Analysis and Its Applications*, p. 16-22, Naukova Dumka, Kiev, 1989.

40. Vu Kim Tuan. Some integral transformations with the Macdonald function $K_\nu(z)$ in the kernels (Russian). *Ukrain. Mat. Zh.* **42**(1990), no 7, p. 990-993, translation in Ukrainian Math. J. **42**(1990), no 7, p. 880-883 (1991).

41. Vu Kim Tuan. Modified Laplace transforms and a multidimensional H-transform (Russian). *Dokl. Akad. Nauk SSSR* **313**(1990), no 6, p. 1299-1302, translation in Soviet Math. Dokl. 42(1991), no 1, p. 150-153.

42. Glaeske H.-J. and Vu Kim Tuan. Mapping properties and composition structure of convolution transforms. *Serdica* **16**(1990), p. 143-150.

43. Vu Kim Tuan and Nguyen Thanh Hai. On a class of Watson multidimensional integral transforms (Russian). *Dokl. Akad. Nauk SSSR* **317**(1991), no 4, p. 797-800, translation in Soviet Math. Dokl. 43(1991), no 2, p. 508-510.

44. Glaeske H.-J. and Vu Kim Tuan. Mapping properties and composition structure of multidimensional integral transforms. *Math. Nachr.* **152**(1991), p. 179 - 190.

45. Glaeske H.-J. and Vu Kim Tuan. Mapping properties and composition structure of a class of integral transforms. *Boundary Value and Initial Value Problems in Complex Analysis: Studies in Complex Analysis and Its Applications to Partial Differential Equations 1*, (Halle, 1988), p. 209-220, Pitman Res. Notes Math. Ser. N **256**, 1991, Longman Sci. Tech., Harlow.

46. Saigo M. and Vu Kim Tuan. Some integral representations of multivariable hypergeometric functions. *Rend. Circ. Mat. Palermo (2)* **41**(1992), no 1, p. 69-80.

47. Vu Kim Tuan and Buschman R.G. Integral representations of generalized Lauricella hypergeometric functions. *Int. J. Math. Math. Sci.* **15**(1992), no. 4, p. 653-658.

48. Vu Kim Tuan and Yakubovich S.B. A criterion for the unitarity of a two-sided integral transformation (in Russian). *Ukrain. Math. Zh.* **44**(1992), no. 5, p. 697-699, translation in Ukrainian Math. J. **44**(1992), no. 5, pp. 630-632 (1993).

49. Brychkov Yu.A., Glaeske H.-J., Prudnikov A.P. and Vu Kim Tuan. *Multidimensional Integral Transformations*, Gordon and Breach, New York - Philadelphia - London - Paris - Montreux - Tokyo - Melbourne - Singapore, 1992, 386 pp.

50. Vu Kim Tuan and Saigo M. Multidimensional modified fractional calculus operators. *Math. Nachr.* **161**(1993), p. 253-270.

51. Love E.R. and Vu Kim Tuan. L^p-continuity of Riesz potentials. *Integral Transforms Spec. Funct.* **1**(1993), no 1, p. 27-31.

52. Vu Kim Tuan and Dinh Thanh Duc. On a class of multidimensional Watson integral transforms. *Integral Transforms Spec. Funct.* **1**(1993), no 4, p. 301-312.

53. Vu Kim Tuan and Gorenflo R. On the regularization of fractional differentiation of arbitrary positive order. *Numer. Funct. Anal. Optim.* **15**(1994), no. 5-6, p. 695-711.

54. Vu Kim Tuan and Gorenflo R. Asymptotics of singular values of fractional integral operators. *Inverse Problems* **10**(1994), p. 949-955.

55. Vu Kim Tuan and Gorenflo R. The Grünwald-Letnikov difference operator and regularization of the Weyl fractional differentiation. *Z. Anal. Anwendungen* **13**(1994), no. 3, p. 537-545.

56. Srivastava H.M. and Vu Kim Tuan. A new convolution theorem for the Stieltjes transform and its application to a class of singular integral equations. *Arch. Math. (Basel)* **64**(1995), no. 2, p. 144-149.

57. Vu Kim Tuan and Saigo M. Convolution of Hankel transform and its application to an integral involving Bessel functions of first kind. *Int. J. Math. Math. Sci.* **18**(1995), no. 3, p. 545-550.

58. Gorenflo R. and Vu Kim Tuan. Singular value decompositions of fractional integration operators in L_2- spaces with weights. *J. Inverse Ill-Posed Probl.* **3**(1995), no. 1, p. 1-9.

59. Vu Kim Tuan and Gorenflo R. Extrapolation to the limit for numerical fractional differentiation. *Z. Angew. Math. Mech.*, **75**(1995), no. 8, p. 646-648.

60. Glaeske H.-J. and Vu Kim Tuan. Some applications of the convolution theorem of the Hilbert transform. *Integral Transforms Spec. Funct.* **3**(1995), no. 4, p. 263-268.

61. Vu Kim Tuan and Nguyen Thi Tinh. Expressions of Legendre polynomials through Bernoulli polynomials. *Rev. Tecn. Fac. Ingr. Univ. Zulia* **18**(1995), no. 3, p. 285-290.

62. Vu Kim Tuan and Gorenflo R. Singular values of fractional and Volterra integral operators. *Inverse Problems and Applications to Geophysics, Industry, edited by D.D. Ang and etc.* Proceedings of the International Workshop on Inverse Problems, HoChiMinh City, Vietnam, January 17–19, 1995, p. 174-185.

63. Vu Kim Tuan and Gorenflo R. Hardy type inequalities for fractional integral operators. *Proceedings of the First International Workshop on Transform Methods and Special Functions, held in Sofia, Bulgaria, August 12–17, 1994*, Editors P. Rusev, I. Dimovski and V. Kiryakova, SCT Publishing, Singapore, 1995, p. 364-369.

64. Vu Kim Tuan. On the Paley-Wiener theorem. *Theory of Functions and Applications. Collection of Works dedicated to the Memory of M.M. Djrbashian*, Louys Publishing House, Yerevan, 1995, p. 193-196.

65. Bader N. Al-Saqabi and Vu Kim Tuan. Solution of a fractional differintegral equation. *Integral Transforms Spec. Funct.* **4**(1996), no. 4, p. 321-326.

66. Vu Kim Tuan, Saigo M., and Dinh Thanh Duc. Some integral transforms in the space of entire functions of exponential type. *Proc. Japan Acad. Ser. A* **72** (1996), no. 4, p. 75-77.

67. Vu Kim Tuan. On the range of the Y-transform. *Bull. Austral. Math. Soc.* **54**(1996), no. 2, p. 329-345.

68. Kalla S.L. and Vu Kim Tuan. Asymptotic formulas for generalized elliptic-type integrals. *Comput. Math. Appl.* **32**(1996), no. 4, p. 49-55.

69. Vu Kim Tuan and Gorenflo R. Asymptotics of singular values of Volterra integral operators. *Numer. Funct. Anal. Optim.* **17**(1996), no. 3 & 4, p. 453-461.

70. Vu Kim Tuan, Raina R.K., and Saigo M. Multidimensional fractional calculus operators involving the Gauss hypergeometric function. *Int. J. Math. Stat. Sci.* **5**(1996), no. 2, p. 37-56.

71. Vu Kim Tuan and Nguyen Thi Tinh. Legendre, Euler and Bernoulli polynomials. *C. R. Acad. Bulgare Sci.* **49**(1996), no. 5, p. 19-21.

72. Vu Kim Tuan. Supports of functions and integral transforms. *Proceedings of International Workshop on the Recent Advances in Applied Mathematics, May 4 – 7, 1996, Kuwait*, p. 507-521.

73. Vu Kim Tuan. On the range of the Hankel and extended Hankel transforms. *J. Math. Anal. Appl.* **209**(1997), p. 460-478.

74. Vu Kim Tuan and Nguyen Thi Tinh. Expressions of Legendre polynomials through Euler polynomials. *Math. Balkan. (N.S.)* **11**(1997), no. 3-4, p. 295-302.

75. Vu Kim Tuan. New type Paley-Wiener theorems for the modified multidimensional Mellin transform. *J. Fourier Anal. Appl.* **4**(1998), no. 3, p. 315-326.

76. Nguyen Xuan Thao, Kakichev V.A., and Vu Kim Tuan. On the generalized convolutions for Fourier cosine and sine transforms. *East–West J. Math.* **1**(1998), no. 1, p. 85-90.

77. Kalla S.L., Vu Kim Tuan, Al-Saqabi B., Al-Zanaidi M.A., and Al-Zamel A. *Applied Mathematical Analysis. Lecture Notes.* Department of Mathematics and Computer Science, Kuwait University, 1998, 134 pp.

78. Vu Kim Tuan. Airy integral transform and the Paley–Wiener theorem *Proceedings of the 2nd International Workshop on Transform Methods and Special Functions, held in Varna, Bulgaria, August 24–29, 1996*, Editors P. Rusev, I. Dimovski and V. Kiryakova, Institute of Mathematics, Sophia, 1998, p. 523-531.

79. Vu Kim Tuan and Saigo M. Modified fractional integral operators in L_p space with power-logarithmic weight. *Math. Japon.* **49**(1999), no. 1, p. 145-150.

80. Vu Kim Tuan. Integral transforms of Fourier cosine convolution type. *J. Math. Anal. Appl.* **229**(1999), p. 519-529.

81. Al-Khamis T.M., Ahmed M.A., and Vu Kim Tuan. Simulated annealing for discrete optimization with estimation. *Eur. J. Oper. Res.* **116**(1999), p. 530-544.

82. Vu Kim Tuan. On the supports of functions. *Numer. Funct. Anal. Optim.* **20**(1999), no. 3 & 4, p. 387-394.

83. Vu Kim Tuan. Paley-Wiener-type theorems. *Frac. Calc. Appl. Anal.* **2**(1999), no. 2, p. 135-143.

84. Galue L., Kalla S.L., and Vu Kim Tuan. Some Sonine-Gegenbauer type integrals. *Comput. Math. Appl.* **38**(1999), no. 3 & 4, p. 73-83.

85. Khuat V.N. and Vu Kim Tuan. Nonlinear operator equation with a special monotone operator. *Trans. Acad. Sci. Azerb. Ser. Phys.-Tech. Math. Sci.* **19**(1999), no. 1-2, p. 104-107.

86. Vu Kim Tuan. Stable analytic continuation using hypergeometric summation. *Inverse Problems* **16**(2000), p. 75-87.

87. Zayed A.I. and Vu Kim Tuan. Paley-Wiener-type theorem for a class of integral transforms arising from a singular Dirac system. *Z. Anal. Anwendungen* **19**(2000), no. 3, p. 695-712.

88. Galue L., Kalla S.L., and Vu Kim Tuan. Composition of Erdélyi-Kober fractional operators. *Integral Transforms Spec. Funct.* **9**(2000), no. 3, p. 185-196.

89. Vu Kim Tuan, Saitoh S., and Saigo M. Size of support of initial heat distribution in the 1D heat equation. *Appl. Anal.* **74**(2000), no. 3-4, p. 439-446.

90. Saitoh S., Vu Kim Tuan, and Yamamoto M. Reverse weighted L_p- norm inequalities in convolutions. *JIPAM J. Inequal. Pure Appl. Math.* **1**(2000), no. 1, Article 7, 7pp.

91. Ismail A. and Vu Kim Tuan. Application of basic hypergeometric series to stable analytic continuation. *J. Comput. Appl. Math.* **118**(2000), no. 1-2, p. 193-202.

92. Vu Kim Tuan. On the range of the Struve $\mathbf{H}_\nu$-transform. *J. Integral Equations Appl.* **12**(2000), no. 2, p. 209-223.

93. Al-Zamel A., Vu Kim Tuan, and Kalla S.L. Generalized elliptic-type integrals and asymptotic formulas. *Appl. Math. Comput.* **114**(2000), p. 13-25.

94. Vu Kim Tuan, Ismail A., and Saigo M. Plancherel and Paley-Wiener theorems for an index integral transform. *J. Korean Math. Soc.* **37**(2000), no. 4, p. 545-563.

95. Al-Musallam F. and Vu Kim Tuan. A class of convolution transformations. *Frac. Calc. Appl. Anal.* **3**(2000), no. 3, p. 303-314.

96. Vu Kim Tuan and Dinh Thanh Duc. Convergence rate of Post-Widder approximate inversion of the Laplace transform. *Vietnam J. Math.* **28**(2000) no. 1, p. 93-96.

97. Srivastava H.M., Vu Kim Tuan, and Yakubovich S.B. The Cherry transform and its relationship with a singular Sturm-Liouville problem. *Quart. J. Math. Oxford Ser. (2)* **51**(2000), p. 371-383.

98. Al-Mutairi D., Grossmann C., and Vu Kim Tuan. Path-following barrier and penalty methods for linearly constrained problems. *Optimization* **48**(2000), p. 353-374.

99. Al-Musallam F. and Vu Kim Tuan. Integral transforms related to a generalized convolution. *Results Math.* **38**(2000), p. 197-208.

100. Vu Kim Tuan and Zayed A.I. Generalization of a theorem of Boas to a class of integral transforms. *Results Math.* **38**(2000), p. 362-376.

101. Vu Kim Tuan and Dinh Thanh Duc. Automatic evaluation of abscissa of convergence for inverse Laplace transform. *Frac. Calc. Appl. Anal.* **3**(2000), no. 4, p. 353-358.

102. Vu Kim Tuan. Spectrum of signals. *J. Fourier Anal. Appl.* **7**(2001), no. 3, p. 319-323.

103. Saitoh S., Vu Kim Tuan, and Yamamoto M. Conditional stability of a real inverse formula for the Laplace transform. *Z. Anal. Anwendungen* **20**(2001), no. 1, p. 193-202.

104. Vu Kim Tuan and Nashed M.Z. Stable recovery of analytic functions using basic hypergeometric series. *J. Comput. Anal. Appl.* **3**(2001), no. 1, p. 33-52.

105. Al-Musallam F. and Vu Kim Tuan. H-function with complex parameters: Existence. *Int. J. Math. Math. Sci.* **25**(2001), no. 9, p. 571-586.

106. Al-Musallam F. and Vu Kim Tuan. H-function with complex parameters: Evaluation. *Int. J. Math. Math. Sci.* **25**(2001), no. 11, p. 727-743.

107. Vu Kim Tuan, Ismail A., and Saigo M. On an index integral transform involving the modified Bessel function. *Integral Transforms Spec. Funct.* **12**(2001), no. 4, p. 375-388.

108. Vu Kim Tuan, Saitoh S., and Saigo M. Size of support of initial heat distribution in the 1D heat equation. *Appl. Anal.* **77**(2001), no. 3-4, p. 397-403.

109. Al-Musallam F. and Vu Kim Tuan. A modified and a finite indexed-Weber transforms. *Z. Anal. Anwendungen* **21**(2002), no. 2, p. 315-334.

110. Vu Kim Tuan and Zayed A.I. Paley-Wiener-type theorems for a class of integral transforms. *J. Math. Anal. Appl.* **266**(2002), no. 1, p. 200-226.

111. Al-Musallam F., Kiryakova V., and Vu Kim Tuan. A multi-index Borel-Dzrbashjan transform. *Rocky Mountain J. Math.* **32**(2002), no. 2, p. 409-428.

112. Saitoh S., Vu Kim Tuan, and Yamamoto M. Reverse convolution inequalities and applications to inverse heat problems. *JIPAM J. Inequal. Pure Appl. Math.* **3**(2002), no. 5, Article 80.

113. Vu Kim Tuan and Dinh Thanh Duc. A new real inversion formula of the Laplace transform and its convergence rate. *Frac. Calc. Appl. Anal.* **5**(2002), no. 4, p. 387-394.

114. Vu Kim Tuan. Paley-Wiener and Boas theorems for singular Sturm-Liouville integral transforms. *Adv. in Appl. Math.* **29**(2002), p. 563-580.

115. Al-Mutairi D. and Vu Kim Tuan. On asymptotic expansions of the scale mixtures of stable distribution. *Int. J. Appl. Math.* **10**(2002), no. 4, p. 443-451.

116. Al-Musallam F. and Vu Kim Tuan. A finite and an infinite Whittaker integral transform. *Comput. Math. Appl.* **46**(2003), no. 12, p. 1847-1859

117. Al-Saqabi B.N., Kalla S.L., and Vu Kim Tuan. Unified probability density function involving a confluent hypergeometric function of two variables. *Appl. Math. Comp.* **146**(2003), p. 135-152.

118. Saitoh S., Vu Kim Tuan, and Yamamoto M. Convolution inequalities and applications. *JIPAM J. Inequal. Pure Appl. Math.* **4**(2003), no. 3, Article 50, 8 pp.

119. Al-Musallam F. and Vu Kim Tuan. An uncertainty principle for a modified Y- transform. *Arch. Inequal. Appl.* **1**(2003), p. 441-452.

120. Boumenir A. and Vu Kim Tuan. Existence and construction of the transmutation operator. *J. Math. Phys.* **45**(2004), no. 7, p. 2833-2843.

121. Nguyen Xuan Thao, Vu Kim Tuan and Nguyen Minh Khoa. A generalized convolution with a weight function for the Fourier cosine and sine transforms. *Fract. Calc. Appl. Anal.* **7**(2004), no. 3, p. 323-337.

122. Vu Kim Tuan. A real-variable Paley-Wiener theorem for the Dunkl transform. *Abstract and Applied Analysis*, p. 365–371, *Proceedings of the International Conference on Abstract and Applied Analysis 2002, held in Hanoi, Vietnam, August, 2002*, Editors Nguyen Minh Chuong, L. Nirenberg and etc., World Sci. Publ., River Edge, NJ, 2004.

123. Vu Kim Tuan. Laplace transform of functions with bounded averages. *Int. J. Evol. Equ.* **1**(2005), no. 4, p. 429-433.

124. Boumenir A. and Vu Kim Tuan. The Gelfand-Levitan theory revisited. *J. Fourier Anal. Appl.* **12**(2006), no. 3, p. 257-267.

125. Vu Kim Tuan. Uncertainty principles for the Hankel transform. *Integral Transforms Spec. Funct.* **18**(2007), no. 5-6, p. 369-381.

126. Boumenir A. and Vu Kim Tuan. Sampling eigenvalues in Hardy spaces. *SIAM J. Numer. Anal.* **45**(2007), no. 2, p. 473–483.

127. Boumenir A. and Vu Kim Tuan. The computation of eigenvalues of singular Sturm-Liouville operators. *Adv. in Appl. Math.* **39**(2007), p. 222-236.

128. Boumenir A. and Vu Kim Tuan. The interpolation of the Titchmarsh-Weyl function. *J. Math. Anal. Appl.* **335**(2007), p. 72-78.

129. Nguyen Xuan Thao, Vu Kim Tuan, and Nguyen Thanh Hong. Integral transforms of Fourier cosine and sine generalized convolution type. *Int. J. Math. Math. Sci.* (2007), Article ID 97250, 11pp.

130. Vu Kim Tuan and Boumenir A. Sampling in Paley-Wiener and Hardy spaces, p. 175-209. §9 in Chuong N.M., Egorov Yu.V., Khrennikov, Meyer Y., and Mumford D. "*Harmonic, Wavelet and p-adic Analysis*", World Sci. Publ., Hackensack, NJ, 2007.

131. Vu Kim Tuan. Classification of integral transforms, p. 43-72. §4 in Chuong N.M., Ciarlet P.G., Lax P., Mumford D., and Phong D.H. "*Advances in Deterministic and Stochastic Analysis*", World Sci. Publ., Hackensack, NJ, 2007.

132. Nguyen Xuan Thao, Vu Kim Tuan, and Nguyen Thanh Hong. Generalized convolution transforms and Toeplitz plus Hankel integral equations. *Fract. Calc. Appl. Anal.* **11** (2008), no. 2, p. 153-174.

133. Al-Mutairi D.K. and Vu Kim Tuan. Asymptotic behaviour of a Bayesian accelerated life testing model. *Integral Transforms Spec. Funct.* **19** (2008), no. 2, p. 81-94

134. Boumenir A., Nguyen Van Minh, and Vu Kim Tuan. Frequency modules and nonexistence of quasi-periodic solutions of nonlinear evolution equations. *Semigroup Forum* **76**(2008), p. 58-70.

135. Boumenir A. and Vu Kim Tuan. Transmutations for strings. *Armen. J. Math.* **1**(2008), no. 1, p. 29-43.

136. Nhan Nguyen Du Vi, Duc Dinh Thanh and Tuan Vu Kim. Weighted L_p norm inequalities for various convolution type transformations and their applications. *Armen. J. Math.* **1**(2008), no. 4, p. 1-18.

137. Boumenir A. and Vu Kim Tuan. A trace formula and Schmincke inequality on the half line. *Proc. Amer. Math. Soc.* **137** (2009), no. 3, p. 1039-1049.

138. Nhan Nguyen Du Vi, Duc Dinh Thanh and Tuan Vu Kim. Reverse weighted l_p- norm inequalities for convolution type integrals. *Armen. J. Math.* **2** (3)(2009). p. 77-93.

139. Rybkin A. and Vu Kim Tuan. A new interpolation formula for the Titchmarsh-Weyl m-function. *Proc. Amer. Math. Soc.* **137** (2009), no. 12, p. 4177-4185.

140. Tomovski Z. and Vu Kim Tuan. On Fourier transforms and summation formulas of generalized Mathieu series. *Math. Sci. Res. J.* **13**(2009), no. 1, p. 1-10.

141. Boumenir A. and Vu Kim Tuan. Inverse problems for multidimensional heat equations by measurements at a single point on the boundary. *Numer. Funct. Anal. Optim.* **30**(2009), no. 11-12, p. 1215-1230.

142. Boumenir A. and Vu Kim Tuan. Representation and sampling of Hardy functions. *Math. Methods Appl. Sci.* **33**(2010), no. 4, p. 485-492.

143. Boumenir A. and Vu Kim Tuan. An inverse problem for the heat equation. *Proc. Amer. Math. Soc.* **138**(2010), no. 11, p. 3911-3921.

144. Vu Kim Tuan and Yakubovich S. Donoho-Stark and Paley-Wiener theorems for the G-transform. *Adv. in Appl. Math.* **45**(2010), p. 108-124.

145. Boumenir A. and Vu Kim Tuan. Recovery of a heat equation by four measurements at one end, *Numer. Funct. Anal. Optim.* **31**(2010), no. 2, p. 155-163.

146. Vu Kim Tuan. Inverse problem for fractional diffusion equation. *Fract. Calc. Appl. Anal.* **14** (2011), no. 1, p. 31-55.

147. Nguyen Du Vi Nhan, Dinh Thanh Duc, and Vu Kim Tuan. Weighted norm inequalities for a nonlinear transform. *Comput. Math. Appl.* **61** (2011), no. 4, p. 832-839.

148. Hyun Soo Chung and Vu Kim Tuan. Generalized integral transforms and convolution products on function space *Integral Transforms Spec. Funct.* **22** (2011), no. 8, p. 573-586.

149. Vu Kim Tuan and Al-Musallam F. Determination of the internal heat source for a half-buried rod. *Acta Math. Vietnam.* **36**(2011), no. 2, p. 517-535.

150. Nguyen Xuan Thao, Vu Kim Tuan, and Nguyen Thanh Hong. Toeplitz plus Hankel integral equation. *Integral Transforms Spec. Funct.* **22**(2011), no. 10, p. 723-737.

151. Boumenir A. and Vu Kim Tuan. Recovery of the heat coefficient by two measurements. *Inverse Probl. Imaging* **5**(2011), no. 4, p. 775-791.

152. Boumenir A. and Vu Kim Tuan. An inverse problem for the wave equation. *J. Inverse Ill-posed Probl.* **19**(2011), no. 4-5, p. 573-592.

153. Hyun Soo Chung and Vu Kim Tuan. A sequential analytic Feynman integral of functionals in $L_2(C_0[0,T])$. *Integral Transforms Spec. Funct.* **23**(2012), no. 7, p. 495-502.

154. Nguyen Xuan Thao, Vu Kim Tuan, and Nguyen Thanh Hong. A Fourier generalized convolution transform and applications to integral equations. *Fract. Calc. Appl. Anal.* **15** (2012), no. 3, p. 493-508.

155. Vu Kim Tuan and Trinh Tuan. A real-variable inverse formula for the Laplace transform. *Integral Transforms Spec. Funct.* **23**(2012), no. 8, p. 551-555.

156. Hyun Soo Chung and Vu Kim Tuan. Some properties of the Fourier-type functionals on a function space. *Bull. Korean Math. Soc.* **49**(2012), no. 3, p. 609-619.

157. Vu Kim Tuan. Determination of spectra of functions. *Results Math.* **63**(2013), no. 1-2, p. 303-309.

158. Nguyen Du Vi Nhan, Dinh Thanh Duc, and Vu Kim Tuan. Weighted norm inequalities for derivatives and their applications. *Kodai Math. J.* **36**(2013), no. 2, p. 228-245.

159. Vu Kim Tuan and Nguyen Thanh Hong. Interpolation in the Hardy space. *Integral Transforms Spec. Funct.* **24**(2013), no. 8, p. 664-671.

160. Nguyen Xuan Thao, Vu Kim Tuan, and Hoang Thi Van Anh. On the Toeplitz plus Hankel integral equation II. *Integral Transforms Spec. Funct.* **25**(2014), no. 1, p. 75-84.

161. Fujiwara H., Rodrigues M. M., Saitoh S., and Vu Kim Tuan. A new discretization principle in analysis. *Int. J. Math. Comput.* **22**(2014), no. 1, p. 75-88.

162. Ghitany M. E., Vu Kim Tuan, and Balakrishnan N. Likelihood estimation for a general class of inverse exponentiated distributions based on complete and progressively censored data. *J. Stat. Comput. Simul.* **84**(2014), no. 1, p. 96-106.

163. Nguyen Du Vi Nhan, Dinh Thanh Duc, Vu Kim Tuan, and Nguyen Du Huy Vu. Inequalities for differences and their applications. *J. Difference Equ. Appl.* **20**(2014), no. 9, p. 1319-1343.

164. Castro L. P., Fujiwara H., Rodrigues M. M., Saitoh S., and Vu Kim Tuan. Aveiro discretization method in mathematics: A new discretization principle, p. 37-92. *Mathematics without Boundaries: Surveys in Pure Mathematics*, Eds: Rassias T. M. and Pardalos P. M., Springer, New York, 2014.

165. Nguyen Xuan Thao, Vu Kim Tuan, Le Xuan Huy, and Nguyen Thanh Hong. On the Fourier-Laplace convolution transforms. *Integral Transforms Spec. Funct.* **26**(2015), no. 4, p. 303-313.

166. Castro L. P., Fujiwara H., Rodrigues M. M., Saitoh S., and Vu Kim Tuan. Reproducing kernels and discretization, p. 553-559. *Current Trends in Analysis and its Applications. Proceedings of the 9th ISAAC Congress, Krakow 2013*. Eds: Mityushev V. and Ruzhansky M., Birkhäuser, Basel, 2015.

167. Vu Kim Tuan and Boumenir A. Recovery of holomorphic functions and Taylor coefficients by sampling, p. 531-543. *Current Trends in Analysis and its Applications. Proceedings of the 9th ISAAC Congress, Krakow 2013*. Eds: Mityushev V. and Ruzhansky M., Birkhäuser, Basel, 2015.

168. Hyun Soo Chung, Vu Kim Tuan, and Seung Jun Chang. Analytic Feynman integrals of functionals in a Banach algebra involving the first variation. *Chinese Ann. Math. Ser. B* **37**(2016), no. 2, p. 281-290.

169. Vu Kim Tuan and Nguyen Si Hoang. An inverse problem for a multi-dimensional fractional diffusion equation. *Analysis (Berlin)* **36**(2016), no. 2, p. 107-122.

170. Nguyen Thanh Hong, Pham Van Hoang, and Vu Kim Tuan. The convolution for the Kontorovich-Lebedev transform revisited. *J. Math. Anal. Appl.* **440**(2016), no. 1, p. 369-378.

171. Nguyen Xuan Thao, Vu Kim Tuan, Pham Van Hoang, and Nguyen Thanh Hong. Asymptotics of the scattered Debye potentials via a generalized convolution. *Integral Transforms Spec. Funct.* **27**(2016), no. 2, p. 126-136.

172. Seung Jun Chang, Vu Kim Tuan, and Hyun Soo Chung. A generalized integral transform on the classical Wiener space and its applications. *Journal of Inequalities and Special Functions* **8**(2017), no. 1, p. 28-41.

173. Nguyen Minh Khoa, Nguyen Thanh Hong, and Vu Kim Tuan. On Fourier - Kontorovich-Lebedev generalized convolution transforms. *Integral Transforms Spec. Funct.* **28**(2017), no. 4, p. 271-283.

174. Nguyen Du Vi Nhan, Tran Dinh Phung, Dinh Thanh Duc, and Vu Kim Tuan. Opial and Lyapunov inequalities on time scales and their applications to dynamic equations. *Kodai Math. J.* **40**(2017), p. 254-277.

175. Pham Van Hoang, Tuan Trinh, Xuan Thao Nguyen, and Vu Kim Tuan. Boundedness in weighted L_p spaces for the Kontorovich-Lebedev-Fourier generalized convolutions and applications. *Integral Transforms Spec. Funct.* **28**(2017), no. 8, p. 590-604.

176. Boumenir A. and Vu Kim Tuan. Recovery of the heat equation from a single boundary measurement. *Appl. Anal.* **97**(2018), no. 10, 1667-1676.

177. Nguyen Minh Khoa, Nguyen Xuan Thao, and Vu Kim Tuan. On the Hartley superconvolution. *Integral Transforms Spec. Funct.* **29**(2018), no. 2, p. 164-170.

178. Boumenir A. and Vu Kim Tuan. One point recovery of a parabolic equation. *J. Math. Anal. Appl.* **463**(2018), no. 1, p. 161-166.

179. Boumenir A., Vu Kim Tuan, and Nguyen Si Hoang. The recovery of a parabolic equation from measurements at a single point. *Evolution Equations and Control Theory* **7**(2018), no. 2, p. 197-216.

180. Boumenir A. and Vu Kim Tuan. Reconstruction of the coefficients of a star graph from observations of its vertices. *Inverse Problems and Imaging* **12**(2018), no. 6, p. 1293-1308.

181. N. X. Thao, Vu Kim Tuan, and N. A. Dai. Discrete-time Fourier cosine convolution. *Integral Transforms Spec. Funct.* **29**(2018), no. 11, p. 866-874.

182. Vu Kim Tuan, Boumenir A., and Dinh Thanh Duc. Real variable inverse Laplace transform, p. 303-318. *Analysis as a Life, dedicated to Heinrich Begehr on the occasion of his 80th birthday. Trends in Mathematics Series*, Eds: S. Rogosin and A. O. Celebi, Birkhäuser, 2019.

183. Boumenir A. and Vu Kim Tuan. A fractional inverse initial value problem, p. 387-402. *Advances in Mathematical Methods and High Performance Computing. Advances in Mechanics and Mathematics 41*, Eds: Singh V. K., Gao D., and Fisher A., Springer, 2019.

184. Nguyen Du Vi Nhan, Dinh Thanh Duc, Vu Kim Tuan, and Tran Dinh Phung. Dynamic Picone identity and its applications. *J. Math. Anal. Appl.* **469**(2019), no. 1, p. 342-357.

185. Boumenir A. and Vu Kim Tuan. Transmutation operators and their applications, p. 11-47. *Transmutation Operators and Applications. Trends in Mathematics Book Series*, Eds: V. V. Kravchenko and S. M. Sitnik, Birkhäuser, 2020.

186. Vu Kim Tuan. Fractional integro-differential equations in Wiener spaces. *Fract. Calc. Appl. Anal.* **23**(2020), no. 5, p. 1300-1328.

187. Boumenir A. and Vu Kim Tuan. The reconstruction of a wave equation from one side measurement. *Wave Motion* **95**(2020), 102547, 5 pp.

188. Nguyen Xuan Thao, Vu Kim Tuan, and Nguyen Anh Dai. A discrete convolution involving Fourier sine and cosine series and its applications. *Integral Transforms Spec. Funct.* **31**(2020), no. 3, p. 243-252.

189. Dinh Thanh Duc, Nguyen Ngoc Hue, Nguyen Du Vi Nhan, and Vu Kim Tuan. Convexity according to a pair of quasi-arithmetic means and inequalities. *J. Math. Anal. Appl.* **488**(2020), no. 1, 124059, 23 pp.

190. Boumenir A. and Vu Kim Tuan. Reconstructing the shape of a domain from one point measurements. *J. Math. Anal. Appl.* **491**(2020), no. 1, 124262, 7pp.

191. Boumenir A., Vu Kim Tuan, and W. Al-Khulaifi. Reconstructing a fractional integro-differential equation. *Math. Methods Appl. Sci.* (first published online June 20, 2020) DOI 10.1002/mma.6648.