Ilknur YESİLCE CURRICULUM VITAE

Research Assistant

Department of Mathematics, Mersin University, TURKEY

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**Employment:**

2009- Mersin University, Research Assistant.

**Educational Background:**

2012- Mersin University, PhD.

2009-2012 Mersin University, MSc.

2011-2012 Mersin University, Pedagogical Formation

2005-2009 Mersin University, BSc.

**Scientific/Academic Honors:**

# 2013-2016 BIDEB 2211-A PhD. Scholarship (2013-2) / The Scientific and Technological Research Council of Turkey

# 2014 Scientific Publication Encouragement Award / The Scientific and Technological Research Council of Turkey

2014 Scientific Publication Encouragement Award / Mersin University

# 2013 Scientific Publication Encouragement Award / Mersin University

2012 Scientific Publication Encouragement Award / Mersin University

**Research Interests:** General areas of research are mathematical analysis and convex analysis. Special interests include abstract convex analysis, its applications to the inequality theory, convex sets, convex functions and separation theorems in abstract convexity.

**Publications:**

**1.** “B-1-convex Functions”, *Journal of Convex Analysis*, Vol. 24, No 2, 2017. (with ADILOV G.) ***(SCI Expanded)***

**2.** “B-convexity, B-1-convexity and Their Comparison”, *Numerical Functional Analysis and Optimization,* Vol. 36, No 2, 2015, p. 133-146. (with KEMALI S. and ADILOV G.) ***(SCI Expanded)***

**3.**“Hermite-Hadamard Inequalities for L(j)-convex Functions and S(j)-convex Functions”, *Malaya Journal of Matematik*. Vol. 3, No 3, 2015, p. 346-359. (with ADILOV G.)

**4.** “Separation of B-1-convex Sets by B-1-measurable Maps”, *Journal of Convex Analysis*, Vol. 21, No 2, 2014, p. 571-580. (with TINAZTEPE G. and ADILOV G.) ***(SCI Expanded)***

**5.** “On Generalizations of the Concept of Convexity”, *Hacettepe Journal of Mathematics and Statistics*, Vol. 41(5), 2012, p. 723-730. ( with ADILOV G.) ***(SCI Expanded)***

**6.** “B-1-convex Sets and B-1-measurable Maps”, *Numerical Functional Analysis and Optimization.* Vol. 33, No 2, 2012, p. 131-141*.* ( with ADILOV G.) ***(SCI Expanded)***

**Conference and Seminar Talks:**

1. “Some Inequalities for B-convex Functions”, *Mathematical Analysis, Differential Equations and their Applications.* 15-20 September, 2010, Sunny Beach, Bulgaria, p. 7. ( with ADILOV G.)
2. “B-measurable and B-1-measurable Maps”, *International Conference on Applied Analysis and Algebra.* 29 June – 2 July 2011, İstanbul, Turkey, p. 159. ( with ADILOV G.)
3. “Separation of B-1-convex Sets by B-1-measurable Maps”, *The 8th Congress of the International Society for Analysis, its Application and Computation.* 22-27 August 2011, Moscow, Russia, p. 500. ( with ADILOV G. and TINAZTEPE G.,)
4. “B-1-convex Sets and Functions”, *Constructive Nonsmooth Analysis end Related Topics.* 18-23 June 2012, Saint Petersburg, Russia, p. 14. ( with ADILOV G.)
5. “The Comparison B-convexity and B-1-convexity Concepts”, *Mathematical Analysis, Differential Equations and Their Applications.* 04-09 September 2012, Mersin, Turkey, p. 15. ( with ADILOV G. and KEMALİ S.)
6. “Separation in B-1-convexity”, *International Conference on Applied Analysis and Mathematical Modeling.* 2-5 June 2013, İstanbul, Turkey, p. 175. ( with ADILOV G.)
7. “B-1-convex Functions and Some Important Properties”, *19th International Conference Mathematical Modelling and Analysis.* 26-29 May 2014, Druskininkai, Lithuania, p. 1. ( with ADILOV G.)
8. “On B-1-convex Functions and Some Inequalities”, *International Congress in Honour of Professor Ravi P. Agarwal.* 23-26 June 2014, Bursa, Turkey, p. 115. ( with ADILOV G.)
9. “On Some Properties of the B-convex Functions”, *International Conference on Recent Advances in Pure and Applied Mathematics*. 6-9 November 2014, Antalya, Turkey, p. 247. ( with ADILOV G.)
10. “Relationship between Convex and B-convex Functions”, The International Conference “Mathematical and Computational Modelling in Science and Technology”. 2-7 August 2015, İzmir, Turkey, p. 144. ( with ADILOV G.)
11. “The Comparison of B-convex, B-1-convex and Convex Functions”, The 5th International Conference on Control and Optimization with Industrial Applications. 27-29 August 2015, Baku, Azerbaijan, p. 377. ( with ADILOV G.)
12. “The Relation between B-1-convex and Convex Functions”, 4th International Eurasian Conference on Mathematical Sciences and Applications. 31 August-3 September 2015, Athens, Greece, p. 64. ( with ADILOV G. and TINAZTEPE G.)
13. “Comparing B-1-convexity with Tropical Convexity”, International Conference on Advancements in Mathematical Sciences. 5-7 November 2015, Antalya, Turkey, p. 229. ( with ADILOV G.)

**Teaching Activities:**

2015-2016 Fall Complex Analysis I

2014-2015 Spring Analysis IV

2014-2015 Fall Analysis III, Numerical Analysis

2013-2014 Spring Analysis II

2013-2014 Fall Analysis I, Numerical Analysis

2012-2013 Spring Analytic Geometry II

2012-2013 Fall Analytic Geometry I, Numerical Analysis

2011-2012 Spring Analytic Geometry II

2011-2012 Fall Analytic Geometry I, Linear Algebra I

2010-2011 Spring Analytic Geometry II, Linear Algebra II

2010-2011 Fall Analysis I, Linear Algebra I

2009-2010 Spring Analysis II

**Other Activities:** Daughter of the most wonderful parents since 1986.

 Big sister of the most handsome brother in the universe since 1989.

 Chain-reader since 1993.

 Visiting historical places in the world lover.