Cemaliye Kürt

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PERSONAL INFORMATION

Nationality **:** Turkish Cypriot
Sex **:** Female
Place of Birth **:** Nicosia – North Cyprus
Date of birth **:** 27/01/1989

EDUCATION AND QUALIFICATION

- **PhD**
    - Eastern Mediterranean University, Sep. 2013-Sep. 2017
    - Thesis Title: Some Results on Laguerre Type and Mittag-Leffler Type Functions
    - Supervisor: Prof. Dr. Mehmet Ali Özarslan
    - Programme of Study: Mathematics
    - Area of Research: Special Functions and Integral Transforms

- **MsC**
    - University of Nottingham, Sep. 2012-Sep. 2013
    - Thesis Title: Fibonacci Groups
    - Supervisor: Dr. Martin Edjvet
    - Programme of Study: Pure Mathematics
    - Area of Research: Combinatorial Group Theory

- **MsC**
    - Eastern Mediterranean University, Feb. 2011-Sep. 2012
    - Thesis Title: Euler Characteristic of Groups – C.T.C Wall's Approach
    - Supervisor: Assist. Prof. Dr. Müge Saadetoğlu
    - Programme of Study: Mathematics
    - Area of Research: Algebraic Topology

- **BSc**
  - Eastern Mediterranean University 2006-2011
  - Applied Mathematics and Computer Science , High Honour
  - Undergraduate Diploma: CGPA of 3.91 out of 4.00
  - Top student in Faculty of Arts & Sciences. Top student in Department of Applied Mathematics & Computer Science

WORK EXPERIENCE

- *Part-Time Lecturer*, at Eastern Mediterranean University, Cyprus, September 2015-May 2017:

Course Code	Undergraduate
MATE 105	Analysis-I
MATE 106	Analysis-II
MATE 111	Genel Matematik
MATE 112	Soyut Matematik
MATE 121	Matematiğin Temelleri-I
MATE 125	Matematik Tarihi
MATE 127	Analiz-I
MATE 130	Matematiğin Temelleri-II
MATE 153	İşletme ve Ekonomi için Matematik
MATE 163	Ayrık Matematik
MATE 167	Sanat ve Sosyal Bilimler için Matematik
MATE 217	Lineer Cebir
MATE 218	Lineer Cebir-II
MATE 310	İstatistik ve Olasılık-II
MATE 315	Analiz-III
MATE 332	Olasılık ve İstatiktistik
MATE 417	Matematik Tarihi
MATH 103	Mathematics for Business and Economics-I
MATH 105	Mathematics for Arts and Social Sciences
MATH 150	Calculus with Precalculus
MATH 151	Calculus-I
MATH 155	Mathematics
MATH 163	Discrete Mathematics
MATH 165	Mathematics-I
MATH 191	Mathematics and Geometry for Designers

- *Part-time Lecturer*, at International Final University, Cyprus, February 2017-Present:

Course Code	Undergraduate
MATH 101	Calculus-I
MATH 102	Calculus-II
MATH 103	Discrete Mathematics
MATH 104	Linear Algebra
MATH 206	Probability and Statistics
MATH 101	Mathematics for Business-I
MATE 102	Mathematics for Business-II

- *Teaching Assistant,* at Eastern Mediterranean University, Cyprus, February 2011-June 2012 and September 2013-May 2017:

Course Code	Undergraduate
MATH 133	Basic Mathematics
MATH 151	Calculus-I
MATH 165	Mathematics-I
MATH 322	Probability and Statistical Methods
MATH 373	Numerical Analysis
MATE 106	Analysis-II
MATE 115	General Mathematics
MATE 153	Mathematics for Business and Economics-I
MATE 205	Analysis-III
MATE 206	Analysis-IV
MATE 241	Linear Algebra and Ordinary Differential Equations
MATE 405	Numerical Analysis
COMP 304	Database Management Systems
MATE 332	Olasılık ve İstatistik

- *Life Guard,* at Water Country USA, Williamsburg, VA 23187 : Helping people out in swimming pools, guarding children and adults while swimming etc. (August 2010 – September 2010)

- *Assistant Leader,* at Kantara Youth Camp, Cyprus: Lead a team of participants aged between 12-17 years old; teaching trust-building games, giving a course on creative drama, helping to organize an events night, guiding during the camp; coordination and administration of the camp. (Summer of 2006 - Summer of 2009)

SCHOLARSHIPS

- Fully funded by the Eastern Mediterranean University for PhD degree program (2013-2017).
- Funded by the Government for MSc studies in U.K. (2012-2013).
- Funded by the Eastern Mediterranean University for Master's degree program (2011-2012).
- Fully funded by the Government Scholarship for undergraduate studies (2006-2011).
- Funded by the Eastern Mediterranean University for undergraduate studies (2006-2011).

PUBLICATION

- Fernandez, C. Kürt and M.A. Özarslan, A naturally emerging bivariate Mittag-Leffler function and associated fractional-calculus operators, *Journal of Computational and Applied Mathematics,* 200 (2020). (SCI-Expanded) DOI:10.1007/s40314-020-01224-5

- C. Kürt, M.A. Özarslan and A. Fernandez On a certain bivariate Mittag-Leffler function analysed from a fractional-calculus point of view, *Mathematical Methods in the Applied Sciences,* accepted March 2020. (SCI-Expanded) DOI:10.1002/mma.6324

- M.A. Özarslan and C. Kürt, Nonhomogenous Initial and Boundary Value Problem for the Type Caputo-Type Fractional Wave Equation, *Advances in Difference Equations* 199 (2019). (SCI-Expanded)

- M.A. Özarslan and C. Kürt, Bivariate Mittag-Leffler Functions Arising in the Solutions of Convolution Integral Equation with 2D-Laguerre-Konhauser Polynomials in the Kernel, *Applied Mathematics and Computation* 347 (2019), 631-644. (SCI)

- M.A. Özarslan and C. Kürt, On a Double Integral Equation Including a Set of Two Variables Polynomials Suggested by Laguerre Polynomials, *J. Computational Analysis and Applications* 22 (2016), no. **7**, 1198-1207. (SCI-Expanded)

BOOK CHAPTER

- M.A. Özarslan and C. Kürt, Some Results on the Bivariate Laguerre Polynomial*s*, Computational Analysis, 125-135, Springer Proc. Math. Stat., 155, *Springer*, *Cham*, 2016.

IN PREPARATIONS

- Some Fractional Integral Formulas for Two Variables Mittag-Leffler Functions.
- Fractional Wave Equation with a Frictional Memory Kernel of Multivariate Mittag-Leffler Functions.
- Caputo-Type Fractional Wave Equation Involving an Integral Operation with Mittag-Leffler Function in the Kernel.
- 2-J Variables Laguerre Polynomials Properties and Applications.
- Fractional Calculus with an Integral Operator Containing a Bivariate Analogue of Mittag-Leffler Function in the Kernel and Some Fractional Integral Formulas for the Bivariate Mittag-Leffler Function.
- Some Fractional Integral Formulas for the Multivariate Mittag-Leffler Functions.
- Two Dimentional Volterra Integral Equation Containing Nishimotos Mittag-Leffler Functions.
- Integral Operator Involving Certain Bivariate Mittag-Leffler Functions.
- Solution of Boundary and Initial Value Problem to Involving Hilfer-Prabhakar Derivative Operators.
- Some Summation Formulas for Multivariable Polynomials Suggested by Laguerre Polynomials .

PRESENTATIONS-TALKS

- Have given a talk entitled 'Some Fractional Integral Formulas for Two Variables Mittag-Leffler Functions' at Eastern Mediterranean University, Thesis Monitoring Committee, May 2017.
- Have given a talk entitled 'Fractional Wave Equation with a Frictional Memory Kernel of Multivariate Mittag-Lefffler Functions' at Eastern Mediterranean University, Thesis Monitoring Committee, January 2017.
- Have given a talk entitled 'Some Results on the Bivariate Laguerre Polynomials' at Eastern Mediterranean University, Thesis Monitoring Thesis, July 2016.
- Have given a talk entitled 'On a Double Integral Equation Including a Set of Two Variables Polynomials Suggested by Laguerre Polynomials' at Eastern Mediterranean University, Thesis Monitoring Committee, February 2016.
- Have given a talk entitled 'On a Double Integral Equation Including a Set of Two Variables Polynomials Suggested by Laguerre Polynomials' at Eastern Mediterranean University, Defence for PhD Qualifying Examination, June 2015.
- Have given a presentation entitled 'Hall's Theorems' at University of Nottingham (United Kingdom) Group Theory lecture, December 2012.
- Have given a presentation entitled 'Algebraic approach to the ring of p-adic integers as a projective limit, and the p-adic number field as its field of quotients' at University of Nottingham (United Kingdom) Group Theory lecture, December 2012.
- Have given a presentation entitled 'Divisibility rules' at Eastern Mediterranean University, Number Theory lecture, November 2010.

CONFERENCES ATTENDED

- C. Kürt and M.A. Özarslan, Bivariate h-Mittag-Leffler functions with 2D-h-Laguerre-Konhauser Polynomials and Corresponding h-Fractional Operators, 'The 2nd Mediterranean International Conference of Pure&Applied Mathematics and Related Areas', Paris-France,
- M.A. M.A. Özarslan and C. Kürt, Some Series Identities for a Class of Polynomials Suggested by Laguerre Polynomial, 'International Conference on Pure and Applied Mathematics', Budapest-Hungary, July 10-13, 2018
- M.A. Özarslan and C. Kürt, Fractional Wave Equation with a Frictional Memory Kernel of Multivariate Mittag-Leffler Functions, 'Differential Equations and Applications', Brno- Czech Republic, Sep 04-07, 2017
- M.A. Özarslan and C. Kürt, Caputo-Type Fractional Wave Equation Involving an Integral Operation with Mittag-Leffler Function in the Kernel, 'International Conference on Applied Analysis and Mathematical Modeling' - ICAAMM 2017, İstanbul-Turkey, July 03-07, 2017.
- M.A. Özarslan and C. Kürt, Some Fractional Integral Formulas for Two Variables Mittag-Leffler Functions, 'Emerging Trends in Applied Mathematics and Mechanics'- ETAMM 2016, Perpignan-France, May 30-June 03, 2016.
- M.A. Özarslan and C. Kürt, Some Results on the Bivariate Laguerre Polynomial*s*, '3rd International Conference on Applied Mathematics & Approximation Theory'- AMAT 2015, Ankara-Turkey, May 28-31,2015.
- M.A. Özarslan and C. Kürt , 2-J Variables Laguerre Polynomials Properties and Applications, '28th International Conference of The Jangjeon Mathematical Society'- ICJMS 2015, Antalya-Turkey, May 15-19, 2015.
- M.A. Özarslan and C. Kürt, On a Double Integral Equation Including a Set of Two Variables Polynomials Suggested by Laguerre Polynomials, 'The International Conference on Recent Advances in Pure and Applied Mathematics'- ICRAPAM14, Antalya-Turkey, November 6-9, 2014.

COMPUTER SKILLS

- Microsoft Office: Scientific Word, Latex, Excel, Word, Word Power Point, MATLAB, C++ (Working knowledge)

LANGUAGES

- Turkish (Mother-tongue), English (Fluent), German (Basic), French (Basic), Greek (Basic)

REFEREES

1. Prof. Dr. Mehmet Ali Özarslan (Dean of Arts and Science Faculty of Eastern Mediterranean University)

   Department of Mathematics, Eastern Mediterranean University,
   Famagusta,
   North Cyprus
   Via Mersin 10, Turkey

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   Email: mehmetali.ozarslan@emu.edu.tr

2. Prof. Dr. Nazim Mahmudov (Chair of Applied Mathematics and Computer Science Department of Eastern Mediterranean University)

   Department of Mathematics, Eastern Mediterranean University,
   Famagusta,
   North Cyprus
   Via Mersin 10, Turkey.

   Tel; +90 392 630 1228
   Email: nazim.mahmudov@emu.edu.tr