Esra GÜLDOĞAN

Research Assistant

Atılım University

Department of Mathematics

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**PERSONAL**

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| Date of Birth | 24 November 1990 |
| **Place of Birth** | Yenimahalle, Ankara |

# EDUCATION

|  |  |
| --- | --- |
| **2017-cont** | Ankara University, Ankara, Turkey, Ph.D. |
| **2013-2015** | Gazi University, Ankara, Turkey, M.S. |
| **2008-2013** | Gazi University, Ankara, Turkey, B.S. |

# ACADEMIC POSITIONS

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| 2020-cont | Res. Ass., Atılım University |
| 2016-2017 | Lecturer, İstanbul Aydın University |

**RESEARCH INTERESTS**

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| --- | --- |
| 1 | Orthogonal polynomials |
| **2** | Special functions |
| **3** | Integral Transforms |
| **4** | Multivariable Functions  |
| **5** | Q-Analogues |

**THESİS**

|  |  |
| --- | --- |
| **Master’s Thesis** | Generalized Bernoulli, Euler and Genocchi Polynomials, Gazi University, 2015 (Advisor: Prof. Dr. Esra Erkuş-Duman) |

**HONORS&AWARDS**

|  |  |
| --- | --- |
| 2017-2021 | TÜBİTAK 2211/A Domestic Doctorate Scholarship |

**PUBLICATIONS**

|  |  |  |
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| 1 | Güldoğan E., Aktaş R., Area I., Some classes of special functions using Fourier transforms of some two-variables orthogonal polynomials, Integral Transforms and Special Functions, (2020), doi: 10.1080/10652469.2019.1700411. |  |
| 2 | Güldoğan E., Aktaş R., Masjed-Jamei M., On finite classes of two-variables orthogonal polynomials, Bulletin of Iranian Mathematical Society, pp. 1-32 (2019), doi: 10.1007/s41980-019-00319-y. |  |

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|  | BENGİ HADJO,GÖNÜLLÜ UĞUR,ENACAR NEZİHE,ALPER DOĞANAY,BEDER SUMRU,GÜRSES HİLMİ,BARTU SEVGİ,DOKUMACIOĞLU TURHAN (1986). Analysis of 517 Patients with Tuberculosis from Different Points of View.. Tüberküloz ve Toraks, 34(1), 1-7. (Kontrol No: 4317256) |

**COURSES GIVEN**

|  |  |
| --- | --- |
| **1** | Math 151 Calculus I |
| **2** | Math 152 Calculus II |
| **3** | Math 157 Extended Calculus I |
| **4** | Math 158 Extended Calculus II |
| **5** | General Mathematis I |
| **6** | General Mathematics II |
| **7** | Differential Equation |
| **8** | Applied Mathematics |
| **9** | Linear Algebra |
| **10** | Commercial Mathematics |
| **11** | Professional Mathematics |

# CONFERENCE PRESENTATIONS

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| --- | --- |
| 1 | International Conference on Recent Advances ın Pure Applıed Mathematics, Antalya, Turkey, November 2014 |
| 2 | International Conference on Applied Mathematics and Approximation Theory, May 2015 |