



Phd. Emel Yıldırım

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PERSONAL

Place of Birth	Ankara
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EDUCATION

2007-2011	Ankara University, Department of Mathematics, B. S.
2012-2014	Ankara University, Department of Mathematics, M. S.
2014-2019	Ankara University, Department of Mathematics, P.h.D.

ACADEMIC POSITIONS

2023-	Assistant Professor, Department of Mathematics, Atılım University, Turkey
2019-2022	Lecturer, Department of Mathematics, Atılım University, Turkey
2012-2019	Teaching Asistant, Department of Mathematics, Atılım University, Turkey
2016-2017	Visitor Researcher of the Department of Mathematics and Statistics Masaryk University in Brno

RESEARCH INTERESTS

1	Operator Theory
2	Impulsive Differential Equations
3	Schrödinger Equations
4	Scattering Theory
5	Spectral Theory
6	Difference Equations
7	Quantum Theory

PUBLICATIONS

1	Yildirim, Emel and Bairamov, Elgiz (2024) "Transmission eigenvalues problem of a Schrödinger equation," Turkish Journal of Mathematics: Vol. 48: No. 5, Article (SCI-Exp)
2	E. Yildirim, Green Function and Resolvent Operator of a Schrödinger Equation with General Point Interaction. Commun. Fac. Sci. Univ. Ank. Sér. A1 Math. Stat. Volume 69, Number 1, Pages 441-449 (2020) (E-SCI)
3	E. Yildirim, Bound states and spectral singularities of an impulsive Schrödinger equation. Turk J. Math, 42, (2018), 1670-1679 (SCI-Exp)
4	E. Yildirim, Properties of Scattering Coefficients of an Impulsive Schrödinger Equation (Accepted)
5	E. Yildirim, Investigation of Analytic Properties of a Schrödinger Equation under an Impulsive Condition (Under Review)
6	E. Yildirim, Bound states and scattering coefficients of an impulsive Schrödinger equation under special potential (Under Review)

CONFERENCE PRESENTATIONS and PARTICIPATIONS

1	"Eigenvalues of an Impulsive Schrödinger Equation" International E-conference on Mathematical and Statistical Sciences: A Selçuk meeting" 5-7, June, 2023.
2	"Integro Difference Equations in Mathematical Biology: Growth- Dispersal and Prey- Predator Models", 7th International IFS and Contemporary Mathematics Conference (IFSCOM2021), May, 25-29, 2021, Turkey.
3	"Bound States and Spectral Singularities of Impulsive Schrödinger Equation" International Workshop on Mathematical Methods in Engineering (MME2017), 27-29 April, Turkey, 2017.
4	"Spectral Properties of Impulsive Sturm Liouville Operators" 11. Ankara Mathematics Days, Ankara University, Ankara, Turkey, 26-27 May 2016
5	Participation at the Czech-Georgian Workshop on Boundary Value Problems, which was organized by the Mathematical Institute of the Czech Academy of Sciences in Brno on January 10-13, 2017.
6	Participation at the 24th International Conference on Difference Equations and Applications (ICDEA 2018).

AWARDS& ACHIEVEMENTS

Turkish Science and Research Council Phd Student Fellowship-TUBİTAK (2014-2018).

Erasmus grant- Republic of Turkey Ankara University Rectorate (11.09.2016-12.02.2017)

PROFESSIONAL MEMBERSHIP

International Society of Difference Equations (ISDE)

Association for Turkish Women in Mathematics

Journal of Advances in Applied & Computational Mathematics (as Editor)

COURSES GIVEN

1	Calculus I (Single Variable)
2	Calculus II (Multivariable)
3	Advanced Calculus I
4	Advanced Calculus II
5	Differential Equations
6	Linear Algebra
7	An Introduction to Complex Analysis
8	An Introduction to Calculus
9	Calculus for Management and Economics Students