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PERSONAL

Date of Birth	December 1986
Place of Birth	Antakya/HATAY

EDUCATION

2012-2018	Bilkent University, Mathematics, Ph.D.
2010-2012	Bilkent University, Mathematics, M.S.
2005-2010	Bilkent University, Mathematics, B.S.

MSc and Phd advisor: Prof. Dr. Aurelian Gheondea (Institutul de Matematica "Simion Stoilow" al Academie Romane)

ACADEMIC POSITIONS

September/2020	Assistant Prof., Department of Mathematics at Atılım University, Turkey
September/2018-June/2020	Instructor, Department of Mathematics at Bilkent University, Turkey

HONORS&AWARDS

1	Recipient of the Alisbah Award for Mathematics graduate students of Bilkent University (2013)
2	Shared recipient of Serhat Özyar Young Scientist of the Year (2019) an award for outstanding Phd works in Turkey

RESEARCH INTERESTS

1	Functional Analysis, Positivity and Dilation Theory, Topologically Ordered *-spaces, VH(Vector Hilbert) Spaces
2	Locally Multiplicatively Convex *-Algebras and their Representation Theory

PUBLICATIONS

1	S. Ay, A. Gheondea, Representations of $*$-semigroups associated to invariant kernels with values adjointable operators, *Linear Algebra Appl.* **486**(2015), 361-388.
2	S. Ay, A. Gheondea, Representations of $*$-semigroups associated to invariant kernels with values continuously adjointable operators, *Integral Equations and Operator Theory* **87:2**(2017), 263-307.

3	S. Ay, A. Gheondea, Invariant weakly positive semidefinite kernels with values in topologically ordered $*$-spaces, *Studia Mathematica* **248:3**(2019), 255-294.
4	S. Ay, A. Gheondea, Corrigendum to "Representations of *-Semigroups Associated to Invariant Kernels with Values Adjointable Operators", *Linear Algebra Appl.* **589**(2020), 242-246.
5	S. Ay, Automatic Boundedness of Adjointable Operators on Barreled VH-Spaces, *Complex Anal. Op. The.* **16:**17 (2022)
6	S. Ay, Isometric Representations of Calibrated Ordered Spaces on C(X), *submitted.*

CONFERENCE PRESENTATIONS

1	*Dilation theory of invariant kernels valued in continuously adjointable operators of VH-spaces*, Istanbul Analysis Seminars, Turkish Mathematical Society and Sabancı University (2016), İstanbul/Turkey.
2	*Dilation theory of invariant kernels valued in continuously adjointable operators of VH-spaces*, International Conference on Complex Analysis and Related Topics-14th Romanian Finnish Seminar, Simion Stoilow Institute of Mathematics of the Romanian Academy and University of Bucharest (2016), Bucharest/Romania.
3	*Dilation theory of invariant kernels valued in continuously adjointable operators of VH-spaces,* Operator Theory 26, Simion Stoilow Institute of Mathematics of the Romanian Academy and West University in Timisoara (2016), Timisoara/Romania.
4	*Positive semidefinite kernels with values continuously adjointable operators on VH-spaces*, 5th Summer Workshop on Operator Theory, Department of Applied Mathematics of University of Agriculture in Krakow(2016), Krakow/Poland.
5	*Dilations of weakly positive semidefinite doubly invariant kernels valued in topologically ordered *-spaces,* Operator Theory 27, Simion Stoilow Institute of Mathematics of the Romanian Academy and West University in Timisoara (2018), Timisoara/Romania.
6	*Kalibreli Sıralı uzayların İzometrik Bipozitif Temsilleri*, 15. Ankara Matematik Günleri (2024), Hacı Bayram Veli University, Ankara.
7	*Isometric Representations of Calibrated Ordered Spaces on C(X)*, 2. Workshop on Harmonic Analysis and Operator Theory (2024), İstanbul University, İstanbul.

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	1
H-index (ISI Web of Science):	2

COURSES GIVEN

1	Calculus I (single variable)
2	Calculus II (multivariable)
3	Advanced Calculus II (multivariable)
4	An Introduction to Functional Analysis (undergraduate level)
5	Linear Algebra and Differential Equations
6	An Introduction to Complex Analysis (undergraduate level)
7	An Introduction to Real Analysis (Metric Spaces) (undergraduate level)
8	Operator Theory (graduate level)
9	Spectral Representations and Unbounded Operator Theory (graduate level)