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**EDUCATION**

2005-2000	Middle East Technical University, Mathematics, Ph.D.
1997-1995	Ege University, Mathematics, M.S.
1994-1990	Ege University, Mathematics, B.S.

**ACADEMIC POSITIONS**

Current-2021	Professor, Dep. of Math., Atilim University
2021-2013	Associate Professor, Dep. of Math., Atilim University
2013-2010	Assistant Professor, Dep. of Math., Atilim University
2010-2005	Instructor, Dep. of Math., Atilim University
2002-2001	R. Assistant, Dep. of Math., Middle East Technical University
2000-1996	R. Assistant, Dep. of Math., Ege University

**VISITS**

March-August 2007	Dep. of Math., Michigan State University, USA
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**ADMINISTRATIVE DUTIES**

2015 – 2019	Vice-chair, Dep. of Math., Atilim University
2014 – 2018	Member of the Faculty Board, Atilim University
2019 – 2020	Member of the Faculty Executive Board, Atilim University

**RESEARCH INTERESTS**

Geometric topology, topology of surfaces, mapping class groups of surfaces, low dimensional topology

## PUBLICATIONS:PAPERS, PREPRINTS

1	Detecting certain free subgroups of mapping class groups via Dynnikov coordinates, (j. with E. Dalyan, E. Medetoğulları, S.Ö. Yurttaş) (submitted)
2	Relaxing multicurves on the twice punctured Möbius band, Middle East Journal of Science, <b>9(1)</b> (2023) 16-22 (j. with A. Baykal, S.Ö. Yurttaş)
3	Automorphisms of the mapping class group of the n-punctured real projective plane (submitted)
4	Moves on curves on non-orientable surfaces, Rocky Mountain Journal of Mathematics, <b>52(6)</b> (2022) 1957-1967 (j. with S. Ö. Yurttaş)
5	Liftable homeomorphisms of cyclic and rank two finite abelian branched covers over the real projective plane, Topology and its App. <b>288</b> (2021) 107479 (j. with E. Medetoğulları, Y. Ozan)
6	A note on chains and bounding pairs of Dehn twists, Glasgow Math. J., <b>63</b> (2021) no. 1, 133-138
7	Liftable homeomorphisms of rank two finite abelian branched covers, Archiv der Mathematik, <b>116</b> (2021), 37-48 (j. with E. Medetoğulları, Y. Ozan)
8	Connectedness of the cut system complex on nonorientable surfaces, Kragujevac Journal of Mathematics, <b>46</b> (2022), no. 1, 21–28 (j. with F. Ali)
9	The Birman-Hilden property of covering spaces of nonorientable surfaces, Ukrainian Math. Journal, <b>72</b> (2020) no. 3, 348-3357 (j. with E. Medetoğulları)
10	Automorphisms of the mapping class group of a nonorientable surface, Geometriae Dedicata, <b>189(1)</b> (2017): 39-57 (j. with B. Szepietowski)
11	Solving an initial boundary value problem on the semi-infinite interval, Turkish J. Math. <b>40(2)</b> (2016): 317-332 (j. with G. Sh. Guseinov)
12	An algebraic characterization of a Dehn twist for nonorientable surfaces, <b>arXiv:1501.07183</b>
13	Automorphisms of curve complexes on nonorientable surfaces, Groups Geom. Dyn. <b>8(1)</b> (2014): 39-68 (j. with M. Korkmaz)
14	On a quadratic eigenvalue problem and its applications, Mediterr. J. Math. <b>10(1)</b> (2013): 91-109 (j. with G. Sh. Guseinov)
15	The number of pseudo-Anosov elements in the mapping class group of a four-holed sphere, Turkish J. Math. <b>34(4)</b> (2010): 585-592 (j. with M. Korkmaz)
16	Outer automorphisms of mapping class groups of nonorientable surfaces, Internat. J. Algebra Comput. <b>20(3)</b> (2010): 437 - 456
17	Automorphisms of complexes of curves on odd genus nonorientable surfaces, <b>arXiv:math/0512368</b>

## E-BOOK, MONOGRAPH

1	Kalkülüs II E-book, TUBITAK, 2016 (j. with B. Korkmaz, M. Uğuz) <a href="https://esatis.tubitak.gov.tr/ekitap.htm">https://esatis.tubitak.gov.tr/ekitap.htm</a> , ISBN <b>978-605-312-287-6</b> .
2	Calculus I E-Lecture Notes, Atılım University, 2013 (j. with U. Aksoy, T. Başkaya, A. Ayhan, F. Sulak)
3	Curve Complexes of Nonorientable Surfaces, LAMBERT Academic Publishing, ISBN:978-3-8473-3781-2, 2012.
4	E-Book, Uzaktan Eğitim Matematik I Ders Notu, Atılım Üniversitesi, 2009 (j. with U. Aksoy, T. Başkaya, T. Ergenç, B. Gülmez Temür, U. Yüksel)

## POPULAR ARTICLE

1	Möbius Şeridi, Eğlenceli Bilim Dergisi, Ekim 2016.
2	Kanıt Peşinde Koşan Matematikçiler, Cumhuriyet Bilim-Teknoloji Dergisi, Haziran 1, 2012.
3	Atılım Üniversitesi Topoloji Günü, İz Dergisi, sayı 4.

## PROJECTS

1	" Geometric intersection number of curves on non-orientable surfaces", 3001-Starting R&D Projects Funding Program, 2018-2020 (Researcher).
2	"Calculus II" 5001 Academic E-Book Project 2014-2016 (Author).
3	"Algebraic structure of mapping class groups of nonorientable surfaces" 3501-Career Development Program TUBITAK, 2011-2013, (Principal Investigator)

## THESES SUPERVISED

1	MS Thesis, F. Ali, "Connectedness of the cut-system complex on surfaces", Atılım University 2017.
2	MS Thesis, A. Elamin "Automorphisms of the graph of curves", Atılım University, 2017.
3	MS Thesis, S.A. S. Ashiba, "Surfaces and complexes of curves on surfaces", Atılım University, 2016.