



**Yıldırım Akbal Ph.D.**

**Assistant Professor in Mathematics**

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**PERSONAL**

<b>Date of Birth</b>	30 August 1985
<b>Place of Birth</b>	Fatih, İstanbul

**EDUCATION**

<b>2011- 2015</b>	Bilkent University, Mathematics, Ph.D.
<b>2009 - 2011</b>	Koç University, Mathematics, M.S.
<b>2004-2008</b>	Uludağ Univesity, Mathematics, Bs.

**ACADEMIC POSITIONS**

<b>May 2018 Cont.</b>	Assistant Professor, Department of Mathematics, Atılım University, Turkey
<b>September/2017 May/2018</b>	Part Time Faculty Instructor, Department of Mathematics, Atılım University, Turkey
<b>September/2017 January/2018</b>	Part Time Faculty Instructor, Basic Sciences Unit, TED University, Turkey
<b>October 2016 - September 2017</b>	Post-Doc, Bilkent Univesity Department of Mathematics

**HONORS&AWARDS**

<b>1</b>	Orhan Alishbah Award from the Department of Mathematics Bilkent University 2013 (Only one distinguished PhD student is awarded each academic year)
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**RESEARCH INTERESTS**

<b>1</b>	Analytic number theory: Exponential sums, Hardy & Littlewood Circle Method
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**PUBLICATIONS**

<b>1</b>	Piatetski-Shapiro Meets Chebotarev, with A. M. Güloğlu, Acta Arith. (SCI) 167
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	(2015), no. 4, 301 - 325.
2	Waring's Problem with Piatetski-Shapiro Numbers, with A. M. Güloğlu, <i>Matematika (SCI-E)</i> 62 (2016) 524-550
3	Waring-Goldbach Problem for Sparse Sequences I, with A. M. Güloğlu, <i>Journal de Theorie des Nombres de Bordeaux</i> (2018) 30(2):449-467
4	Friable Values of Piatetski-Shapiro Sequences, <i>Proc. Amer. Math. Soc.</i> 145 (2017), 4255-4268 .
5	Waring-Goldbach Problem for Sparse Sequences II, with A. M. Güloğlu, <i>Journal of Number Theory</i> (2018). (185), 2018, 80-92
6	Rough Values of Piatetski-Shapiro Sequences, <i>Monatshefte für Mathematik</i> (2018), 185, Issue 1, pp 115.
7	Values of Beatty Sequences that are Free of Large Prime Factors, (To appear in <i>Colloquium Mathematicum</i> ).
8	Some Arithmetical Properties of Integer Part of $\alpha p$ , <i>Turkish Journal of Mathematics</i> , 43, (2019), 1253-1262.
9	Serre's Cyclicity Theorem over Arithmetic Progressions, with A. M. Güloğlu, (Submitted).
10	A Short Note On Permutation Polynomials of Prescribed Type, with B.G. Temur and P. Ongan (To appear in <i>Communications in Algebra</i> ).
11	Variations on a Theme of Mirsky (In preparation).
12	Some Properties of Nested Beatty Sequences (In preparation)

#### CITATIONS

Sum of times cited without self-citations (Web of Science):	4
Sum of times cited without self-citations (Google Scholar):	3

#### COURSES GIVEN

1	MATH 253 Introduction to Number Theory (Spring 2014-2015) (Bilkent U.)
2	MATH 102 Calculus II (Fall 2015-2016) (Bilkent U.)
3	MATH 111 Introduction to Calculus (Fall 2016-2017) (TED U.)
4	MATH 230 Probability and Statistics (Fall 2016-2017) (TED U.)
5	MATH 111 Introduction to Calculus (Spring 2016-2017) (TED U.)
6	MATH 230 Probability and Statistics (Spring 2016-2017) (TED U.)
7	MATH 111 Introduction to Calculus (Fall 2017-2018) (TED U.)
8	MATH 230 Probability and Statistics (Fall 2017-2018) (Course Coordinator) (TED U.)
9	MATH 157 Calculus 1 (Spring 2017-2018) (Atılım U.)
10	MATH 291 Introduction to Probability and Statistics (Spring 2017-2018) (Atılım U.)
11	MATH 157 Calculus 1 (Fall 2018-2019) (Atılım U.)
12	MATH 351 Introduction to Real Analysis (Fall 2018-2019) (Atılım U.)

13	MATH 158 Calculus 2 (Spring 2018-2019) (Atılım U.) (Course Coordinator)
14	MATH 325 Introduction to Number Theory (Spring 2018-2019) (Atılım U.)
15	MATH 275 Linear Algebra (Fall 2019-2020) (Atılım U.)
16	MATH 351 Introduction to Real Analysis (Fall 2019-2020) (Atılım U.)

### CONFERENCE PRESENTATIONS

1	XXXIth Journées Arithmétiques, 2019, Istanbul/Turkey (Contributed talk: Friable Values of Beatty and Piatetski Shapiro Sequences)
2	Ankara Matematik Günleri, 2019, Ankara/Turkey (Contributed talk: Some Arithmetical properties of the integer part of $q^p$ ).
3	Arithmetica Symrna, 2019, Izmir/Turkey (Waring's Problem, Vingoradov's Mean Value Theorem and Exponential Sums, Invited Speaker).
4	Ankara Matematik Günleri, 2018, Ankara/Turkey (Contributed talk: Elliptic Curves with Co-prime First Invariant Factors).
5	Antalya Algebra Days, 2015, Antalya/Turkey, (Contributed talk: Smooth Values of Piatetski Shapiro Sequences),
6	Ankara Matematik Günleri, 2015, Ankara/Turkey (Contributed talk: Friable Values of Piatetski Shapiro Sequences)v
7	International Conference on Algebra and Number Theory, 2014, Samsun/Turkey (Contributed talk: Piatetski-Shapiro meets Chebotarev) ,
8	Antalya Algebra Days, 2014, Antalya/Turkey, (Contributed talk: Piatetski-Shapiro meets Chebotarev),
9	G-MAM, 2019, Ankara/Turkey (Variations on Serre's Cyclicity Conjecture, Invited Speaker)