

## Asst. Prof. Temha ERKOÇ YILMAZTÜRK

### Personal Information

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Address: İstanbul Üniversitesi Fen Fakültesi Matematik Bölümü, 34134, Vezneciler, Fatih/İstanbul

### Education Information

Post Doctorate, University Of Wisconsin-Madison, Mathematics, United States Of America 2010 - 2011

Doctorate, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Matematik , Turkey 2003 - 2008

Postgraduate, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Matematik, Turkey 1998 - 2003

Undergraduate, İstanbul Üniversitesi, Faculty of Science, Department of Mathematics, Turkey 1994 - 1998

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Q-Gruplarının Sınıflandırılması, Istanbul University, Institute of Graduate Studies In Sciences, Matematik, 2008

Postgraduate, Sonlu Grupların Klasik Gösterilişi, Istanbul University, Institute of Graduate Studies In Sciences, Matematik, 2003

### Research Areas

Mathematics, Group Theory and Generalizations, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2018 - Continues

Assistant Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2008 - 2018

Research Assistant, İstanbul Üniversitesi, Faculty of Science, Department of Mathematics, 1998 - 2008

### Academic and Administrative Experience

#### Courses

Seminer, Doctorate, 2018 - 2019

Sonlu Grupların Gösteriliş Teorisi 2, Postgraduate, 2018 - 2019

Cebir 3, Undergraduate, 2019 - 2020

Cebir II (İ.Ö.), Undergraduate, 2016 - 2017  
Representation Theory of Finite Groups II, Postgraduate, 2016 - 2017  
Uzmanlık Alan Dersi, Doctorate, 2016 - 2017  
Sonlu Grupların Gösteriliş Teorisi II, Postgraduate, 2016 - 2017  
Mesleki İngilizce (i.ö.), Undergraduate, 2014 - 2015, 2015 - 2016, 2016 - 2017  
Representation Theory of Finite Groups I, Postgraduate, 2016 - 2017  
Cebir II (Matematik), Undergraduate, 2010 - 2011, 2014 - 2015, 2015 - 2016  
Sonlu Grupların Gösteriliş Teorisi I (uzaktan eğitim), Postgraduate, 2016 - 2017  
Cebir II (Matematik) (i.ö.), Undergraduate, 2014 - 2015, 2015 - 2016  
Cebir III, Undergraduate, 2015 - 2016, 2016 - 2017  
Cebir III (i.ö.), Undergraduate, 2015 - 2016, 2016 - 2017  
Lineer Cebir (Orman fakültesi), Undergraduate, 2014 - 2015  
Uzmanlık Alan Dersi, Postgraduate, 2013 - 2014  
Soyut Matematik I, Undergraduate, 2014 - 2015  
Soyut Matematik I (i.ö.), Undergraduate, 2014 - 2015  
Grup Teorisinden Seçme Konular, Undergraduate, 2013 - 2014  
Cebir II (Matematik), Undergraduate, 2009 - 2010, 2011 - 2012, 2012 - 2013  
Grup Teorisinden Seçme Konular (Matematik), Undergraduate, 2012 - 2013  
Lineer Cebir (Ast. ve Uzay Bil.), Undergraduate, 2012 - 2013  
Sonlu Grupların Gösteriliş Teorisi II (Yüksek Lisans), Postgraduate, 2012 - 2013  
Cebir II (Matematik, ikinci öğretim), Undergraduate, 2010 - 2011, 2011 - 2012, 2012 - 2013  
Grup Teorisinden Seçme Konular (Matematik, ikinci öğretim), Undergraduate, 2012 - 2013  
Sonlu Grupları Gösteriliş Teorisi II (Yüksek Lisans), Postgraduate, 2011 - 2012  
Soyut Matematik I (Matematik), Undergraduate, 2012 - 2013  
Cebir III (Matematik), Undergraduate, 2011 - 2012, 2012 - 2013  
Sonlu Grupların Gösteriliş Teorisi I (Yüksek Lisans), Postgraduate, 2011 - 2012, 2012 - 2013  
Lineer Cebir (Ast. ve Uzay Bil., ikinci öğretim), Undergraduate, 2011 - 2012  
Soyut Matematik I (Matematik, ikinci öğretim), Undergraduate, 2012 - 2013  
Lineer Cebir (Astronomi ve Uzay Bilimleri), Undergraduate, 2011 - 2012  
Cebir III (Matematik, ikinci öğretim), Undergraduate, 2011 - 2012, 2012 - 2013  
Lineer Cebir (Mat.+Ast. ikinci öğretim), Undergraduate, 2010 - 2011  
Elementer Sayı Kuramı (HAYEF), Undergraduate, 2011 - 2012  
Cebire Giriş (HAYEF), Undergraduate, 2011 - 2012  
Lineer Cebir (Mat.+Ast.), Undergraduate, 2010 - 2011  
Alan Eğitiminde Araştırma Projesi (Tezsiz Yüksek Lisans), Postgraduate, 2009 - 2010, 2010 - 2011  
Lineer Cebir (Mat.+Ast. ikinci öğretim), Undergraduate, 2009 - 2010  
Lineer Cebir (Matematik +Astronomi ve Uzay Bilimleri), Undergraduate, 2009 - 2010  
Diferansiyel Denklemler (Astronomi ve Uzay Bil.), Undergraduate, 2009 - 2010  
Diferansiyel Denklemler (Matematik), Undergraduate, 2009 - 2010  
Matematik I (Mühendislik Fakültesi), Undergraduate, 2008 - 2009, 2009 - 2010  
Matematik II (Mühendislik Fakültesi), Undergraduate, 2008 - 2009  
Matematik II (Orman Fakültesi), Undergraduate, 2008 - 2009

## Advising Theses

ERKOÇ YILMAZTÜRK T., İndirgenemez karakter dereceleri ve türev uzunluğu, Doctorate, B.Çınarcı(Student), 2018  
ERKOÇ YILMAZTÜRK T., Complex Characters of Finite Groups, Postgraduate, B.Çınarcı(Student), 2014

## Jury Memberships

Appointment Academic Staff, Yabancı Dil Sınav Jürisi, Fen Fakültesi, August, 2013

Appointment Academic Staff, Araştırma Görevlisi Kadrosuna atama yapmak üzere sınav jürisine yedek üyelik, İstanbul Üniversitesi, November, 2008

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Monolithic characters of real groups**  
Erkoç Yilmaztürk T., Çınarcı B.  
Communications In Algebra, vol.1, pp.1-8, 2021 (Journal Indexed in SCI Expanded)
- II. **Finite solvable groups with few imprimitive irreducible characters**  
Erkoç Yilmaztürk T., Çınarcı B.  
Journal Of Algebra And Its Applications, vol.1, pp.1-16, 2020 (Journal Indexed in SCI Expanded)
- III. **A NOTE ON DERIVED LENGTH AND CHARACTER DEGREES**  
Çınarcı B., Erkoç Yilmaztürk T.  
Bulletin Of The Australian Mathematical Society, pp.1-7, 2020 (Journal Indexed in SCI Expanded)
- IV. **Real characters, monolithic characters and the Taketa inequality**  
Cınarci B., Erkoc T.  
JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.18, no.10, 2019 (Journal Indexed in SCI)
- V. **Irreducible constituents of products of characters**  
Cınarci B., Erkoc T.  
COMMUNICATIONS IN ALGEBRA, vol.47, pp.5398-5403, 2019 (Journal Indexed in SCI)
- VI. **Finite groups whose character degree graphs coincide with their prime graphs**  
Erkoc T., Yilmazturk U., GÜLOĞLU İ. Ş.  
CZECHOSLOVAK MATHEMATICAL JOURNAL, vol.68, no.3, pp.647-656, 2018 (Journal Indexed in SCI)
- VII. **Rational permutation groups containing a full cycle**  
Erkoc T., Yilmazturk U.  
MATHEMATICA SLOVACA, vol.63, no.6, pp.1227-1232, 2013 (Journal Indexed in SCI)
- VIII. **Some sufficient conditions for the Taketa inequality**  
Yilmazturk U., Erkoc T., Guloglu I. S.  
PROCEEDINGS OF THE JAPAN ACADEMY SERIES A-MATHEMATICAL SCIENCES, vol.89, no.9, pp.103-106, 2013 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **2-Transitive Frobenius Q-Groups**  
ERKOÇ YILMAZTÜRK T., Güzel E.  
University of Istanbul Faculty of Science the Journal of Mathematics, Physics and Astronomy, vol.3, pp.1-6, 2011 (National Refreed University Journal)
- II. **The Classification of Frobenius Q-Groups**  
ERKOÇ YILMAZTÜRK T., Güzel E.  
University of Istanbul Faculty of Science the Journal of Mathematics, Physics and Astronomy, vol.3, pp.7-14, 2011 (National Refreed University Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **On products of irreducible characters**  
ERKOÇ YILMAZTÜRK T., Çınarcı B.  
Third International Conference of Mathematical Sciences, İstanbul, Turkey, 4 - 08 September 2019, pp.1

- II. **Derived Length and Character Degrees**  
Çınarcı B., ERKOÇ YILMAZTÜRK T.  
International Conference of Young Mathematicians, Kiev, Ukraine, 6 - 08 June 2019, pp.1
- III. **Monolithic Characters and Real Characters**  
ERKOÇ YILMAZTÜRK T., Çınarcı B.  
Antalya Algebra Days XXI, İzmir, Turkey, 15 - 19 May 2019, pp.1
- IV. **On the Taketa inequality**  
Çınarcı B., ERKOÇ YILMAZTÜRK T.  
The Mediterranean International Conference of Pure&Applied Mathematics and Releated Areas, Antalya, Turkey, 26 - 29 October 2018, pp.34
- V. **Groups and Irreducible Character Degrees**  
ERKOÇ YILMAZTÜRK T.  
International Conference on Recent Advances in Pure and Applied Mathematics, Antalya, Turkey, 6 - 09 November 2014, pp.105
- VI. **On the Character Degrees of Solvable Groups**  
ERKOÇ YILMAZTÜRK T.  
International conference on Algebra and Number Theory, Samsun, Turkey, 5 - 08 August 2014, pp.23
- VII. **Rational Permutation Groups**  
ERKOÇ YILMAZTÜRK T.  
2nd Biennial Group Theory Conference, Turkey, 1 - 04 September 2013, pp.101
- VIII. **Rational Transitive Subgroups of Symmetric Groups**  
ERKOÇ YILMAZTÜRK T.  
International Conference on Algebra in Honour of Patrick SMITH and John CLARK's 70th Birthdays, Turkey, 1 - 04 August 2013, pp.63-64
- IX. **Frobenius Q-Groups and 2-Transitive Frobenius Q-Groups**  
ERKOÇ YILMAZTÜRK T.  
International Conference of Mathematical Sciences, Turkey, 1 - 04 October 2009, pp.371

## Supported Projects

Erkoç Yılmaztürk T., Çınarcı B., TUBITAK Project, Az Sayıda İmprimitif İndirgenemez Karaktere Sahip Sonlu Çözülebilir Grupların Sınıflandırılması, 2020 - 2021

ERKOÇ YILMAZTÜRK T., ÇINARCI B., Project Supported by Higher Education Institutions, İndirgenemez Karakter Dereceleri ve Türev Uzunluğu, 2017 - 2019

ERKOÇ YILMAZTÜRK T., Project Supported by Higher Education Institutions, Rational permutation groups containing a full cycle, 2014 - 2017

ERKOÇ YILMAZTÜRK T., Project Supported by Higher Education Institutions, On the character degrees of solvable groups, 2014 - 2014

## Memberships / Tasks in Scientific Organizations

Türk Matematik Derneği, Member, 1999 - Continues

## Scientific Consultations

İstanbul Üniversitesi, Other, Istanbul University, Faculty of Science, Department of Mathematics, Turkey, 2011 - 2014

## **Scientific Research / Working Group Memberships**

Research at UW-Madison in Algebra, University of Wisconsin-Madison, United States Of America,  
[https://www.math.wisc.edu/wiki/index.php/Research\\_at\\_UW-Madison\\_in\\_Algebra](https://www.math.wisc.edu/wiki/index.php/Research_at_UW-Madison_in_Algebra), 2010 - 2011

## **Edit Congress and Symposium Activities**

The Mediterranean International Conference of Pure&Applied Mathematics and Related Areas, Attendee, Antalya, Turkey, 2018

Finite groups and their automorphisms, Attendee, İstanbul, Turkey, 2015

International Conference on Recent Advances in Pure and Applied Mathematics, Attendee, Antalya, Turkey, 2014

International conference on Algebra and Number Theory, Attendee, Samsun, Turkey, 2014

International Conference on Algebra in Honour of Patrick SMITH and John CLARK's 70th Birthdays ICAPSJC'2013, Attendee, Balıkesir-Turkey, Turkey, 2013

2nd Biennial Group Theory Conference, Attendee, İstanbul, Turkey, 2013

Workshop on Finite Groups and Their Automorphisms, Attendee, İstanbul (Boğaziçi Üniversitesi), Turkey, 2011

International Conference of Mathematical Sciences, Attendee, İstanbul, Turkey, 2009

## **Citations**

Total Citations (WOS):2

h-index (WOS):1