

## Assoc. Prof. SULTAN EYLEM TOKSOY

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-0286-1870

ScopusID: 35235414200

Yoksis Researcher ID: 110927

### Education Information

Post Doctorate, Hacettepe University, Fen Fakültesi, Matematik Bölümü, Turkey 2011 - 2012

Doctorate, Ege University, Fen Bilimleri Enstitüsü, Matematik, Turkey 2004 - 2008

Postgraduate, Izmir Institute Of Technology, Fen Ve Mühendislik Bilimleri Enstitüsü, Matematik, Turkey 2001 - 2004

Undergraduate, Ege University, Faculty Of Science, Matematik Bölümü, Turkey 1996 - 2000

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Kafeslerde tümleyenler, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 2008

Postgraduate, Absolutely supplement and absolutely complement modules, İzmir Yüksek Teknoloji Enstitüsü, Fen Fakültesi, Matematik Bölümü, 2004

### Research Areas

Mathematics, Associative Rings and Algebras, Commutative Rings and Algebras, General Algebraic Systems, Classification Theory and Homological Algebra, Sort, weave, ordered algebraic structures, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2017 - Continues

Assistant Professor, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2016 - 2017

Research Assistant, Izmir Institute Of Technology, Faculty Of Science, Department Of Mathematics, 2000 - 2014

### Academic and Administrative Experience

Head of Department, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2016 - Continues  
Deputy Head of Department, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2017 - 2018

## Courses

Kategori Teorisine Giriş, Doctorate, 2020 - 2021  
Soyut Cebir II, Undergraduate, 2019 - 2020  
Homoloji Cebir I, Doctorate, 2020 - 2021  
Doğrusal Cebire Giriş, Undergraduate, 2019 - 2020  
Çalışma Metodları II, Undergraduate, 2019 - 2020, 2016 - 2017  
Linear Algebra, Undergraduate, 2020 - 2021  
Temel Doğrusal Cebir , Undergraduate, 2019 - 2020, 2016 - 2017  
Değişmeli Cebire Giriş, Postgraduate, 2019 - 2020  
Değişmeli Halka Teorisi I, Undergraduate, 2019 - 2020, 2017 - 2018  
Çalışma Metodları I, Undergraduate, 2017 - 2018, 2016 - 2017  
Matematik II, Undergraduate, 2016 - 2017  
Homolojik Cebire Giriş, Postgraduate, 2016 - 2017  
Soyut Cebir I, Undergraduate, 2017 - 2018  
Soyut Cebir I, Undergraduate, 2017 - 2018  
Matematik II, Undergraduate, 2016 - 2017  
Bilgisayar Des. Mate.Pro. II , Undergraduate, 2016 - 2017  
Matematik, Undergraduate, 2016 - 2017  
Bilgisayar Destekli Matematik Projesi I, Undergraduate, 2016 - 2017  
Elementer Sayı Kuramı, Undergraduate, 2016 - 2017  
Temel Matematik, Undergraduate, 2016 - 2017  
Temel Matematik I, Undergraduate, 2016 - 2017

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Pure-direct-projective modules**  
ALİZADE R., TOKSOY S. E.  
JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.23, no.1, 2024 (SCI-Expanded)
- II. **Cofinitely weak f-supplemented lattices**  
TOKSOY S. E.  
Journal of Algebra and its Applications, 2024 (SCI-Expanded)
- III. **Purely Rickart and Dual Purely Rickart Objects in Grothendieck Categories**  
Toksoy S. E.  
Mediterranean Journal Of Mathematics, vol.18, no.5, pp.1-25, 2021 (SCI-Expanded)
- IV. **Copure direct injective modules**  
Maurya S. K., Toksoy S. E.  
Journal Of Algebra And Its Applications, no.-, pp.1-12, 2021 (SCI-Expanded)
- V. **Modules with minimal copure-injectivity domain**  
TOKSOY S. E.  
JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.18, no.11, 2019 (SCI-Expanded)
- VI. **ABSOLUTE CO-SUPPLEMENT AND ABSOLUTE CO-COCLOSED MODULES**  
Tutuncu D. K., Toksoy S. E.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.42, no.1, pp.67-79, 2013 (SCI-Expanded)
- VII. **Cofinitely Supplemented Modular Lattices**  
Alizade R., Toksoy S. E.

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.36, no.6, pp.919-923, 2011 (SCI-Expanded)

VIII. **COFINITELY WEAK SUPPLEMENTED LATTICES**

Alizade R., Toksoy S. E.

INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.40, no.5, pp.337-346, 2009 (SCI-Expanded)

IX. **Pure-direct-objects in categories: transfer via functors**

TOKSOY S. E.

Communications in Algebra, vol.51, no.9, pp.3916-3928, 1 (SCI-Expanded)

## Articles Published in Other Journals

I. **Pure-direct-injective objects in Grothendieck categories**

TOKSOY S. E., Yiğit A.

Sao Paulo Journal of Mathematical Sciences, vol.17, no.2, pp.831-849, 2023 (Scopus)

II. **Cofinitely (Weak) G-Supplemented Lattices**

Toksoy S. E.

Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.10, no.1, pp.476-482, 2022 (Peer-Reviewed Journal)

III. **A note on endomorphism rings of semi-projective modules**

Toksoy S. E.

Math. Proc. R. Ir. Acad., vol.112, no.2, pp.93-99, 2013 (Peer-Reviewed Journal)

IV. **Noetherian and Artinian lattices**

KESKİN TÜTÜNCÜ D., Toksoy S. E., Tribak R.

International Journal of Mathematics and Mathematical Sciences, vol.2012, 2012 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

I. **On Dual Baer Modules**

Tutuncu D. K., Smith P. F., Toksoy S. E.

31st Ohio State-Denison Mathematics Conference, Ohio, United States Of America, 25 - 27 May 2012, vol.609, pp.173-175

II. **Absolute co supplement and absolute co coclosed modules**

KESKİN TÜTÜNCÜ D., TOKSOY S. E.

Recent Trends in Rings and Algebras, Murcia, Spain, 3 - 07 June 2013

III. **On Cofinitely Supplemented Lattices**

ALÍZADE R., TOKSOY S. E.

Antalya Algebra Days XII, 19 - 22 May 2010

IV. **Extensions of Weakly Supplemented Lattices**

TOKSOY S. E., ALÍZADE R.

Antalya Algebra Days X, Antalya, Turkey, 28 May - 01 June 2008

V. **Weakly Supplemented Lattices**

TOKSOY S. E.

Antalya Algebra Days IX, Antalya, Turkey, 22 - 27 May 2007, pp.67

VI. **Cofinitely Weak Supplemented Lattices**

TOKSOY S. E., ALÍZADE R.

International Conference on Modules and Comodules, Porto, Portugal, 8 - 10 September 2006

VII. **Amplly Cofinitely Supplemented Lattices**

TOKSOY S. E., ALÍZADE R.

Antalya Algebra Days VIII, Antalya, Turkey, 17 - 21 May 2006, pp.52

VIII. **Absolutely Supplement Modules**

TOKSOY S. E., ALÍZADE R.

## Memberships / Tasks in Scientific Organizations

Kadın Matematikçiler Derneği, Member, 2015 - Continues, Turkey

American Mathematical Society, Member, 2005 - Continues, United States Of America

## Scientific Refereeing

Palestine Journal of Mathematics, Other Indexed Journal, September 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Hacettepe University, Turkey, June 2021

TUBITAK Project, 1002 - Quick Support Program, Hacettepe University, Turkey, June 2021

Cumhuriyet Science Journal, National Scientific Refreed Journal, December 2020

Khayyam Journal of Mathematics, Other Indexed Journal, November 2020

ALGEBRA COLLOQUIUM, Journal Indexed in SCI-E, October 2017

## Mobility Activity

Post Doc, Post Doc, Ohio University, United States Of America, 2018 - 2018

## Metrics

Publication: 21

Citation (WoS): 26

Citation (Scopus): 18

H-Index (WoS): 3

H-Index (Scopus): 2

## Congress and Symposium Activities

33. Ulusal Matematik Sempozyumu, Attendee, İstanbul, Turkey, 2021

Noncommutative Rings and their Applications VII, Attendee, Pau, France, 2021

Joint Mathematics Meetings, Invited Speaker, Colorado, United States Of America, 2020

Workshop on Algebra}, Invited Speaker, Manisa, Turkey, 2019

Group Theory in Ankara in Honour of Mahmut Kuzucuoğlu's 60th Birthday, Attendee, Ankara, Turkey, 2019

7th Cemal Koç Algebra Days, Attendee, Ankara, Turkey, 2019

Workshop on Algebra, Invited Speaker, Afyonkarahisar, Turkey, 2018

6th Workshop on Rings, Modules and Algebras, Attendee, İzmir, Turkey, 2017

5th Workshop on Rings, Modules and Algebras, Attendee, Ankara, Turkey, 2016

4th Workshop on Rings, Modules and Algebras, Attendee, Ankara, Turkey, 2015

2nd Workshop of Association for Turkish Women in Maths, Attendee, Sivas, Turkey, 2015

3rd Workshop on Rings, Modules and Algebras, Attendee, İzmir, Turkey, 2014

International Conference on Algebra in Honour of Patrick Smith's and John Clark's 70th Birthdays, Attendee, Balıkesir, Turkey, 2013

2nd Workshop on Rings, Modules and Algebras, Attendee, İzmir, Turkey, 2013

Recent Trends in Rings and Algebras, Invited Speaker, Murcia, Spain, 2013

1st Workshop on Ring Theory, Attendee, Karabük, Turkey, 2012  
The 31st Ohio State-Denison Mathematics Conference, Invited Speaker, Ohio, United States Of America, 2012  
Antalya Algebra Days XIV, Attendee, İzmir, Turkey, 2012  
VI. Ankara Mathematics Days,, Attendee, Ankara, Turkey, 2011  
Antalya Algebra Days XII, Invited Speaker, Antalya, Turkey, 2010  
Workshop on Categorical and Homological Methods in Noncommutative Algebra, Attendee, İzmir, Turkey, 2009  
Antalya Algebra Days X, Invited Speaker, Antalya, Turkey, 2008  
Antalya Algebra Days IX,, Invited Speaker, Antalya, Turkey, 2007  
International Conference on Modules and Comodules, Dedicated to Robert Wisbauer,, Invited Speaker, Porto, Portugal, 2006  
Antalya Algebra Days VIII, Invited Speaker, Antalya, Turkey, 2006  
Antalya Algebra Days VII, Invited Speaker, Antalya, Turkey, 2005  
Summer School on Elliptic Curve Essentials and Cryptography, Attendee, İzmir, Turkey, 2003

## Invited Talks

On Copure-injectively Poor Modules, Conference, Joint Mathematics Meetings (JMM 2020),, United States Of America, January 2020  
Turbo Pairs, Workshop, Manisa Celal Bayar University, Turkey, September 2019  
Galois-type Connections arising naturally, Seminar, Cankaya University, Turkey, January 2019  
Galois-type Connections arising naturally, Seminar, Ohio University, United States Of America, October 2018  
On certain Galois-type Connections, Seminar, Western Kentucky University, United States Of America, October 2018  
Copure-injectively Poor Modules, Seminar, Ohio State University , United States Of America, August 2018  
Quiver Representations, Workshop, Afyon Kocatepe University, Turkey, January 2018  
Absolute Co-supplement and Absolute Co-coclosed Modules, Conference, Recent Trends in Rings and Algebras, Spain, June 2013  
On Dual Baer Modules, Conference, The 31st Ohio State-Denison Mathematics Conference, United States Of America, May 2012  
Supplements in Modular Lattices, Seminar, Tobb University Of Economics And Technology, Turkey, January 2012  
Absolute Co-supplement and Absolute Co-coclosed Modules, Seminar, Hacettepe University, Turkey, November 2011  
On Cofinitely Supplemented Lattices, Conference, Antalya Algebra Days XII, Turkey, May 2010  
Extensions of Weakly Supplemented Lattices, Conference, Antalya Algebra Days X, Turkey, May 2008  
Weak Supplements in Lattices, Conference, Antalya Algebra Days XI, Turkey, May 2007  
Cofinitely Weak Supplemented Lattices, Conference, International Conference on Modules and Comodules,, Portugal, September 2006  
Amplly Cofinitely Supplemented Lattices, Conference, Antalya Algebra Days VIII, Turkey, May 2006  
Absolutely Supplement Modules, Conference, Antalya Algebra Days VII, Turkey, May 2005

## Scholarships

Etkinilere Katılım Desteği, University, 2020 - 2020  
AMS Grant, University, 2018 - 2018  
2224A, TUBITAK, 2013 - 2013  
2219 Doktora Sonrası Araştırma Programı, TUBITAK, 2011 - 2012  
2224B, TUBITAK, 2010 - 2010  
2224B, TUBITAK, 2008 - 2008  
2224B, TUBITAK, 2007 - 2007  
2224A, TUBITAK, 2006 - 2006  
2224B, TUBITAK, 2006 - 2006

Summer School Scholarship, Other International Organizations, 2005 - 2005  
2224B, TUBITAK, 2005 - 2005