

## Assoc. Prof. ZEYNEP YAPTI ÖZKURT

### Personal Information

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### International Researcher IDs

ORCID: 0000-0001-9703-3463

Publons / Web Of Science ResearcherID: C-3544-2018

Yoksis Researcher ID: 129464

### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Matematik, Turkey 2001 - 2007

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1998 - 2001

Undergraduate, Cukurova University, Fen Edebiyat Fakültesi, Matematik, Turkey 1993 - 1998

### Foreign Languages

English, B1 Intermediate

### Dissertations

Doctorate, Serbest Lie Cebirlerinde Taşınabilen ve Taşınamayan Otomorfizmler ve Primitif Elemanlar, Cukurova University, Fen Edebiyat Fakültesi, Matematik, 2007

Postgraduate, Modül Teorisinde Problemler, Cukurova University, Fen Edebiyat Fakültesi, Matematik, 2001

### Research Areas

Mathematics, Nonassociative Rings and Algebras, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, 2017 - Continues

Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, 2018 - 2019

Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, 2007 - 2018

Research Assistant, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, 2000 - 2007

### Courses

OMZ 211 Sayısal Analiz, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Cebir, Undergraduate, 2023 - 2024, 2022 - 2023

Doğrusal programlama, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Diferansiyel Denklemler, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Algebra 1, Postgraduate, 2023 - 2024, 2019 - 2020, 2015 - 2016

Modul Theory, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Numerical Analysis, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Nümerik Analiz, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Lie Cebirleri, Postgraduate, 2022 - 2023, 2016 - 2017, 2015 - 2016, 2014 - 2015

Modul Theory, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Mühendislik Matematiği, Undergraduate, 2021 - 2022, 2020 - 2021

Lie cebirlerinde özel konular, Postgraduate, 2019 - 2020

Algebra 2, Postgraduate, 2019 - 2020, 2018 - 2019, 2015 - 2016

Nümerik Analiz, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Modül Teorisi, Postgraduate, 2016 - 2017

Diferansiyel Denklemler, Undergraduate, 2016 - 2017

Matematik2, Undergraduate, 2014 - 2015

Matematik1, Undergraduate, 2014 - 2015

Modül Teorisi, Postgraduate, 2014 - 2015

Matematik1, Undergraduate, 2014 - 2015

## Advising Theses

Yaptı Özkurt Z., SERBEST NİLPOTENT LEİBNİZ CEBİRLERİ, Postgraduate, B.ERGÜNEŞ(Student), 2022

Yaptı Özkurt Z., Serbest metabelyen leibniz cebirlerinin otomorfizmleri, Doctorate, T.TAŞ(Student), 2021

YAPTI ÖZKURT Z., Serbest Birleşmeli Cebirlerin Altcebirleri, Postgraduate, N.Özbilen(Student), 2018

YAPTI ÖZKURT Z., Serbest İdeal Halkaları üzerinde Modüller, Postgraduate, T.Taş(Student), 2013

YAPTI ÖZKURT Z., Serbest Leibniz Cebirlerinin Otomorfizmleri, Postgraduate, E.Hanaç(Student), 2010

YAPTI ÖZKURT Z., Serbest Leibniz Cebirleri ve Alt Cebirleri, Postgraduate, A.Karaçiçek(Student), 2010

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

- I. **Endomorphisms which preserve orbits of free metabelian Leibniz algebras**  
Adiyaman Taş T., Özkurt Z.  
Communications in Algebra, vol.52, no.2, pp.566-571, 2024 (SCI-Expanded)
- II. **Generating sets of  $F/R'$  Leibniz algebras**  
Özkurt Z.  
GEORGIAN MATHEMATICAL JOURNAL, vol.30, no.5, pp.769-773, 2023 (SCI-Expanded)
- III. **Automorphisms of free metabelian Leibniz algebras**  
Tas Adiyaman T., Ozkurt Z.  
COMMUNICATIONS IN ALGEBRA, vol.49, no.10, pp.4348-4359, 2021 (SCI-Expanded)
- IV. **Symmetric polynomials in Leibniz algebras and their inner automorphisms**  
FINDIK Ş., YAPTI ÖZKURT Z.  
TURKISH JOURNAL OF MATHEMATICS, vol.44, no.6, pp.2306-2311, 2020 (SCI-Expanded)
- V. **Automorphisms of free metabelian Leibniz algebras of rank three**

Adiyaman T. T., Ozkurt Z.

TURKISH JOURNAL OF MATHEMATICS, vol.43, no.5, pp.2262-2274, 2019 (SCI-Expanded)

VI. **Abelian product of free Abelian and free Lie algebras**

Ozkurt Z., EKİCİ N.

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.47, no.2, pp.331-337, 2018 (SCI-Expanded)

VII. **ORBITS AND TEST ELEMENTS IN FREE LEIBNIZ ALGEBRAS OF RANK TWO**

Ozkurt Z.

COMMUNICATIONS IN ALGEBRA, vol.43, no.8, pp.3534-3544, 2015 (SCI-Expanded)

VIII. **An application of the Dieudonne determinant: Detecting non-tame automorphisms**

Ozkurt Z., EKİCİ N.

JOURNAL OF LIE THEORY, vol.18, no.1, pp.205-214, 2008 (SCI-Expanded)

## Articles Published in Other Journals

I. **Bases of fixed point subalgebras on nilpotent Leibniz algebras**

Özkurt Z.

Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.26, no.1, pp.272-278, 2024 (Peer-Reviewed Journal)

II. **On the Orbit Problem of Free Lie Algebras**

Özkurt Z.

Journal of New Theory, no.43, pp.83-91, 2023 (Peer-Reviewed Journal)

III. **Serbest İdeal Halkaları Üzerindeki Modüller**

Yaptı Özkurt Z., Taş T.

Ç.Ü. Fen ve Mühendislik Bilimleri Dergisi, vol.30, no.1, pp.133-138, 2013 (Peer-Reviewed Journal)

IV. **Serbest Leibniz Cebirleri ve Alt Cebirleri**

Ashhan K., Özkurt Z.

Ç.Ü: Fen ve Mühendislik Bilimleri Dergisi, vol.23, no.1, pp.70-76, 2010 (Peer-Reviewed Journal)

V. **Primitive Lifting of Some Elements in Free Nilpotent Lie Algebras**

YAPTI ÖZKURT Z.

International Journal of Pure and Applied Mathematics, vol.30, pp.33-42, 2006 (Peer-Reviewed Journal)

VI. **Primitive Lifting in Free Nilpotent Lie Algebras**

YAPTI ÖZKURT Z.

International Journal of Pure and Applied Mathematics, vol.32, pp.457-465, 2006 (Peer-Reviewed Journal)

VII. **Bir Esas İdeal Bölgesi Üzerindeki Sonlu Doğurulmuş Bir Modülün Direk Parçalanışı**

Yaptı Özkurt Z., Boral M.

Ç.Ü Fen ve Müh. Bil. Dergisi, vol.11, no.1, pp.184-189, 2000 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

I. **Primitivity Criterion**

Yaptı Özkurt Z.

ANADOLU 14TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Gaziantep, Turkey, 16 - 18 February 2024, pp.20-21

II. **k-primitive elements**

Yaptı Özkurt Z.

ANADOLU 14TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, 16 - 18 February 2024, pp.22-23

III. **Tame and Wild Automorphisms on Free Metabelian Leibniz Algebras**

ÖZKURT Z.

EGE ZİRVESİ 10. ULUSLARARASI UYGULAMALI BİLİMLER KONGRESİ, 22 - 24 December 2023

IV. **Jacobian Matrices on Free Metabelian Leibniz Algebras**

Özkurt Z.

EGE 10th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, December 22 - 24, 2023, İzmir, Turkey, 22 - 24 December 2023

- V. **On the Rank of an Element in Free Leibniz Algebras**  
ÖZKURT Z.  
2nd International Symposium on Current Developments in Fundamental and Applied Mathematics Sciences, 14 - 17 November 2023
- VI. **Tame and Wild Automorphisms on Free Leibniz Algebras**  
ÖZKURT Z.  
2nd International Symposium on Current Developments in Fundamental and Applied Mathematics Sciences, 14 - 17 November 2023
- VII. **Some Algorithms on Free Lie Algebras**  
ÖZKURT Z.  
7.th International Conference on Mathematics "An İstanbul Meeting for World Mathematicians", 11 - 13 July 2023
- VIII. **Generators of  $F/R'$  Leibniz Algebras**  
ÖZKURT Z.  
9th International IFS and Contemporary Mathematics and Engineering Conference, 8 - 11 July 2023
- IX. **Applications on the Jacobian Matrices**  
Özkurt Z.  
7 th INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES ICMS 2023, İstanbul, Turkey, 5 - 09 July 2023
- X. **Normal Automorphisms on Leibniz Algebras**  
ÖZKURT Z.  
2nd INTERNATIONAL E-CONFERENCE ON MATHEMATICAL AND STATISTICAL SCIENCES: A SELCUK MEETING, 5 - 07 June 2023
- XI. **On Free Nilpotent Leibniz Algebras**  
Yaptı Özkurt Z.  
ICOMSS 2022, Konya, Turkey, 20 - 22 October 2022, pp.136
- XII. **An explicit matrix form for IA-automorphisms of  $F/R'$  Leibniz algebras**  
Yaptı Özkurt Z.  
IECMSA 2022, İstanbul, Turkey, 29 August - 01 September 2022, pp.45
- XIII. **Detecting Non-Automorphisms of  $F/R'$  Leibniz Algebras**  
Yaptı Özkurt Z.  
IECMSA 2022, İstanbul, Turkey, 29 August - 01 September 2022, pp.46
- XIV. **3-ranklı Serbest Metabelyan Leibniz Cebirlerinde IA- Otomorfizmler**  
YAPTI ÖZKURT Z., Taş Adıyaman T.  
31. Ulusal Matematik Sempozyumu, Erzincan, Turkey, 12 - 15 September 2018, pp.33
- XV. **The Automorphisms of Free Metabelian Leibniz Algebra with rank two**  
Özkurt Z., Taş Adıyaman T.  
XX Antalya Algebra Days, İzmir, Turkey, 16 - 20 May 2018, pp.23
- XVI. **Test Elements of Free Metabelian Leibniz Algebras**  
ÖZKURT Z.  
4th.International Eurasian Conference on Mathematical Sciences and Applications, Atina, Greece, 31 August - 03 September 2015
- XVII. **Orbits and Test Elements in Free Leibniz Algebras of Rank Two**  
YAPTI ÖZKURT Z.  
Antalya Algebra Days XVII, İzmir, Turkey, 20 - 24 May 2015, pp.33-34
- XVIII. **Subalgebras of Metabelian Product of Free Abelian Lie Algebras**  
Özkurt Z., Ekici N.  
3rd. International Eurasian Conference on Mathematical Sciences and Applications, Vienna, Austria, 25 - 28 August 2014
- XIX. **The Orbit Problem of A Finitely Generated Lie Algebra**

YAPTI ÖZKURT Z., Ekici N.

2nd International Eurasian Conference on Mathematical Sciences and Applications(IECMSA), Saray Bosna, Bosnia And Herzegovina, 26 - 29 August 2013, pp.49

**XX. Dieudonne Determinantının Serbest Lie Cebirlerindeki Uygulamaları: Taşınamayan Üreteç Kümelerini Belirleme**

YAPTI ÖZKURT Z., Ekici N., ERSALAN D.

XIX. Ulusal Matematik Sempozyumu, Kütahya, Turkey, 22 - 25 August 2006, pp.50

**XXI. Serbest Metabelyen Lie Cebirlerinde Primitif Taşınabilirlik**

YAPTI ÖZKURT Z., Ekici N.

XVIII. Ulusal Matematik Sempozyumu, İstanbul, Turkey, 5 - 08 September 2005, pp.203

## Supported Projects

YAPTI ÖZKURT Z., Project Supported by Higher Education Institutions, F/R' Leibniz Cebirlerinde Otomorfizmler, 2020 - 2023

YAPTI ÖZKURT Z., Project Supported by Higher Education Institutions, Test Elements of Free Metabelian Leibniz Algebras, 2015 - 2015

YAPTI ÖZKURT Z., EKİCİ N., Project Supported by Higher Education Institutions, Subalgebras of Metabelian Product of Free Abelian Lie Algebras, 2014 - 2014

## Metrics

Publication: 38

Citation (WoS): 5

Citation (Scopus): 8

H-Index (WoS): 2

H-Index (Scopus): 2

## Congress and Symposium Activities

Antalya Algebra Days XX, Attendee, İzmir, Turkey, 2018

iecmsa, Attendee, atina, Greece, 2015

Antalya Algebra Days XVII, Attendee, İzmir, Turkey, 2015

iecmsa, Attendee, viyana, Austria, 2014

iecmsa, Attendee, saraybosna, Bosnia And Herzegovina, 2013

XIV. Antalya Algebra, Attendee, İzmir, Turkey, 2012

International Conference on Rng and Module theory, Attendee, Ankara, Turkey, 2008

X. Antalya Algebra Days, Attendee, Antalya, Turkey, 2008

XIX Ulusal Matematik Sempozyumu, Attendee, Kütahya, Turkey, 2006

XVIII. Ulusal Matematik Sempozyumu, Attendee, İstanbul, Turkey, 2005