

## Asst. Prof. ELA AYDIN

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### International Researcher IDs

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### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1993 - 1997

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1990 - 1993

Undergraduate, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, Turkey 1986 - 1990

### Research Areas

Mathematics, Nonassociative Rings and Algebras, Natural Sciences

### Academic Titles / Tasks

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

Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, 1997 - 2018

### Courses

Abstract Mathematics II, Undergraduate, 2022 - 2023

Advanced Linear Algebra, Undergraduate, 2022 - 2023

Lineer Cebir II, Undergraduate, 2022 - 2023

Mathematics IV, Undergraduate, 2022 - 2023

Mathematics, Undergraduate, 2022 - 2023

Lineer Cebir I, Undergraduate, 2022 - 2023

Number Theory, Undergraduate, 2022 - 2023

Vector Spaces II, Postgraduate, 2021 - 2022

Abstract Mathematics I, Undergraduate, 2022 - 2023

Linear Algebra, Undergraduate, 2022 - 2023

### Advising Theses

AYDIN E., Her Devirli Olmayan Altgrubunun Merkezleyenini İçerdiği Gruplar, Postgraduate, M.Bilgin(Student), 2018

- AYDIN E., Evrensel Modüllerin Simetrik Türevleri, Doctorate, H.Merkepçi(Student), 2016
- AYDIN E., Serbest Lie cebirlerinin altmerkezi ve polisentral serilerinin terimlerinin kesişimi, Postgraduate, Z.Küçükakçalı(Student), 2012
- AYDIN E., Serbest Lie cebirlerinde Bazı Formdaki denklemler ve çözümleri, Postgraduate, Y.Oğuz(Student), 2010
- AYDIN E., Primitif Elemanlar ve Bir Bağlantılı cebirlerin izomorfizmleri, Postgraduate, N.Yurtseven(Student), 2008
- AYDIN E., Schreier ve Nielsen Sınıfları, Postgraduate, S.Soyer(Student), 2006

## Articles Published in Other Journals

- I. **ABOUT GROUP OF POINTWISE INNER AUTOMORPHISMS FOR NILPOTENCY CLASS FOUR**  
Aydın E.  
Journal of Universal Mathematics, vol.6, no.3, pp.58-61, 2023 (Peer-Reviewed Journal)
- II. **On The Group Of Pointwise Inner Automorphisms**  
Aydın E.  
Journal of Universal Mathematics, vol.8, no.2, pp.221-226, 2023 (Peer-Reviewed Journal)
- III. **Pointwise Inner Automorphisms of Relatively Free Lie Algebras**  
Aydın E.  
Journal of Universal Mathematics, vol.5, no.2, pp.76-80, 2022 (Peer-Reviewed Journal)
- IV. **Non-Tame Automorphisms of Free Polynilpotent Lie Algebras**  
Aydın E.  
Serdica Math. J., vol.47, no.2, pp.107-112, 2021 (Peer-Reviewed Journal)
- V. **Evrensel Modüllerin Simetrik Türevleri**  
AYDIN E., Merkepçi H.  
Çukurova Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.36, no.7, pp.69-78, 2018 (Peer-Reviewed Journal)
- VI. **PROJECTIVE DIMENSION OF SECOND ORDER SYMMETRIC DERIVATION OF KÄHLER MODULES FOR HYPERSURFACES**  
AYDIN E., Merkepçi H., Olgun N.  
Algebra Letters, vol.2017, pp.1-7, 2017 (Peer-Reviewed Journal)
- VII. **Primitive Decomposition of Elements of the Free Metabelian Lie Algebra of Rank Two**  
AYDIN E.  
Math Serdica, vol.43, pp.369-374, 2017 (Peer-Reviewed Journal)
- VIII. **A Multi-Dimensional Approach In Mathematics Theacher Education Programs:"Computations In Free And Finitely Generated Lie Algebras" Example**  
AYDIN E., Temizyürek A., Topak E., Sönmez O.  
GEFAD/GUJGEF, vol.34, pp.89-101, 2014 (Peer-Reviewed Journal)
- IX. **Commutator Subalgebras of Free Product of Lie Algebras**  
Aydın E., Ekici N., Subası M.  
Soochow Journal of Mathematics, vol.29, no.1, pp.7-14, 2003 (Peer-Reviewed Journal)
- X. **Commutator subalgebras of a free product of Lie algebras**  
EKİCİ N., Mine S., AYDIN E.  
Soochov J. of Mathematics, vol.29, no.1, pp.7-14, 2003 (Peer-Reviewed Journal)
- XI. **The Determination of Subalgebras of Codimension One In Finitely Presented Lie Algebras**  
Aydın E., Esmerligil Z., Ekici N.  
Bull.Cl.Math.Soc., vol.94, no.3, pp.197-208, 2002 (Peer-Reviewed Journal)
- XII. **The Determination of Subalgebras of Codimension one in a Finitely Presented Lie Algebra**  
ESMERLİGİL Z. G., Ekici N., Aydın E.  
Bull.Cal. Math. Soc., vol.94, no.3, pp.197-208, 2002 (Peer-Reviewed Journal)
- XIII. **The determination of subalgebras of codimension one in a finitely presented Lie algebras**  
Aydın E., Esmerligil Z. G., Ekici N.  
Bull.Calcutta Math.Soc., vol.94, no.3, pp.197-208, 2002 (Peer-Reviewed Journal)
- XIV. **Residually Finite Subalgebras of lie Algebras**

AYDIN E., Ekici N.

Journal of Institute of Math and Computer Sciences ( Mathematics Series), vol.10, pp.109-112, 1997 (Peer-Reviewed Journal)

**XV. Grup Genişlemeleri Problemine Homolojik Cebir Uygulaması**

Aydın E., Dönmez D.

Ç.Ü. Fen ve Mühendislik Bilimleri Dergisi, vol.6, no.3, pp.41, 1993 (Non Peer-Reviewed Journal)

## Books & Book Chapters

**I. Limit ve Süreklilik- Diferansiyel Denklemler**

DÖNMEZ D., Temizyürek A., Yüksel G., Karakuş Y., Aydın E.

in: Temel Matematik, Akdeniz F., Editor, Nobel Kitabevi, Adana, pp.226-240, 2003

**II. Logaritma-İstatistik**

YÜKSEL G., Akdeniz F., Dönmez D., Temizyürek A., Aydın E., Karakuş Y.

in: TEMEL MATEMATİK, Akdeniz F., Editor, Adana Nobel Kitabevi, Adana, pp.181-414, 2003

## Refereed Congress / Symposium Publications in Proceedings

**I. Multiplication Rules for Pointwise Inner Automorphisms in Lie Algebras**

Aydın E.

9 th International IFS and Contemporary Mathematics and Engineering Conference, Mersin, Turkey, 8 - 11 July 2023, pp.39

**II. A New Class of Automorphisms of Lie Algebras**

Aydın E.

8.th International IFS and Contemporary Mathematics Conference, Mersin, Turkey, 16 - 19 June 2022, pp.1

**III. About Certain Homological Properties of symmetric derivations of Kahler Modules**

AYDIN E., Olgun N., Merkepçi H.

3rd International Intuitionistic Fuzzy Sets and Contemporary Mathematics Conference, Mersin, Turkey, 29 - 30 August 2016, no.1, pp.54-57

**IV. Primitive Decomposition of Elements of a Free Metabelian Lie algebras of Rank Two**

AYDIN E., Ekici N.

IECMSA, Sarajevo, Bosnia And Herzegovina, 26 - 29 August 2013, pp.22

**V. F/V nin Taşınabilir Olmayan Otomorfizmleri**

AYDIN E., Ekici N.

XIX. Ulusal Matematik Sempozyumu, Kütahya, Turkey, 20 - 23 September 2006, pp.49

**VI. Serbest Nilpotent Lie cebirlerinin noktasal iç otomorfizmleri**

AYDIN E., Temizyürek A.

Yüzüncü yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi Özel Sayı, Van, Turkey, 19 - 22 September 2005, pp.127-134

**VII. Rankı 2- olan Serbest Color Lie Süpercebirlerinin Doğurayları**

AYDIN E., Ekici N.

Palandöken Matematik Günleri, Erzurum, Turkey, 19 - 23 September 2001, pp.20

**VIII. Lie cebirlerinin serbest Lie çarpımları**

AYDIN E., Ekici N., Temizyürek A.

XI. Ulusal Matematik Sempozyumu, Isparta, Turkey, 23 - 26 September 1998, pp.198-204

**IX. Lie p-cebirlerinde Sonlu koboyutlu alt cebirler**

AYDIN E., Ekici N.

X. Ulusal Matematik Sempozyumu, Bolu, Turkey, 24 - 27 September 1997, pp.27

## **Activities in Scientific Journals**

Journal Of Universal Mathematics, Editor, 2023 - Continues

## **Metrics**

Publication: 27

H-Index (WoS): 1