

Assoc. Prof. ZERRİN GÜL ESMERLİGİL

Personal Information

Office Phone: [+90 322 338 6084](tel:+903223386084) Extension: 2451

Fax Phone: [+90 322 338 6070](tel:+903223386070)

Email: ezerrin@cu.edu.tr

Web: <https://avesis.cu.edu.tr//ezerrin>

Address: Ç.Ü.Fen-Edebiyat Fakültesi, Matematik Bölümü 01330 Balcalı-Adana

Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1989 - 1994

Post Graduate, Cukurova University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1986 - 1989

Under Graduate, Ankara University, Fen Fakültesi, Matematik, Turkey 1979 - 1985

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Mathematics, Nonassociative Rings and Algebras, Natural Sciences

Academic Titles / Tasks

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

Associate Professor, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, 2013 - 2017

Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, 1995 - 2013

Lecturer PhD, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, 1994 - 1995

Research Assistant, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, 1986 - 1994

Professional Experience

Vice Dean, Cukurova University, Fen-Edebiyat Fakültesi, 2006 - 2012

Courses

Matematik, Under Graduate, 2016 - 2017

Optimizasyon, Under Graduate, 2016 - 2017

Matematik II, Under Graduate, 2016 - 2017

Kısmi Türevli Diferansiyel Denklemler, Under Graduate, 2014 - 2015

Analitik Geometri I, Under Graduate, 2013 - 2014

Analitik Geometri II, Under Graduate, 2013 - 2014

Advising Theses

ESMERLİGİL Z. G. , Serbest Metabelyen Lie Cebirlerinin Endomorfizmleri, Otomorfizmleri, Primitif Elemanları ve Yörüngeleri, Post Graduate, P.Tekinşen(Student), 2011

ESMERLİGİL Z. G. , Gröbner Bazı ve İndirgeme Teknikleri, Post Graduate, N.Mansuroğlu(Student), 2009

ESMERLİGİL Z. G. , Serbest Lie Cebirlerinde Taşınabilen ve Taşınamayan Otomorfizmler ve Primitif Elemanlar, Doctorate, Z.Özkurt(Student), 2007

ESMERLİGİL Z. G. , Polinom Cebirlerinin Koordinat Polinomları ve Test Elemanları, Post Graduate, A.Sevindik(Student), 2006

ESMERLİGİL Z. G. , Serbest Akivis Cebirleri, Post Graduate, Ş.Fındık(Student), 2005

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

- I. **Ideals and primitive elements of some relatively free Lie algebras**
Ekici N., Esmerligil Z., Ersalan D.
SPRINGERPLUS, vol.5, 2016 (Journal Indexed in SCI)
- II. **Test rank of F/R Lie algebras**
ESMERLIGIL Z., KAHYALAR D., Ekici N.
INTERNATIONAL JOURNAL OF ALGEBRA AND COMPUTATION, vol.16, pp.817-825, 2006 (Journal Indexed in SCI)
- III. **Test sets and test rank of a free metabelian Lie algebra**
ESMERLIGIL Z. G. , Ekici N.
COMMUNICATIONS IN ALGEBRA, vol.31, pp.5581-5589, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **On central Automorphisms of Free Center-By Metabelian Lie Algebras**
ESMERLİGİL Z. G.
International Advanced Research Journal in Science, Engineering and Technology, vol.3, pp.231-232, 2016
(Refereed Journals of Other Institutions)
- II. **Fixed Points of Automorphisms Permuting the Generators Cyclically in Free solvable Lie algebras**
ESMERLİGİL Z. G.
International Advanced Research Journal in Science, Engineering and Technology, vol.3, pp.250-251, 2016
(Refereed Journals of Other Institutions)
- III. **Primitive Elements and Preimage of Primitive Sets of Free Lie Algebras**
ESMERLİGİL Z. G. , Ersalan D.
International Journal of Pure and Applied Mathematics, vol.95, no.4, pp.535-544, 2014 (Refereed Journals of Other Institutions)
- IV. **Delta Primitive Elements of Free Metabelian Lie Algebras**
ESMERLİGİL Z. G. , Ersalan D.
MATHEMATICAL SCIENCES AND APPLICATIONS E-NOTES, vol.1, no.2, pp.51-55, 2013 (Refereed Journals of Other Institutions)
- V. **Test Elements of A Free Color Metabelian Lie Superalgebra of Rank Two**
ESMERLİGİL Z. G.
Jour. of Inst. of Math.& Comp. Sci, vol.17, no.1, pp.25-29, 2004 (Refereed Journals of Other Institutions)
- VI. **A Matrix Test for Color Lie Süperalgebras of rank Two**
ESMERLİGİL Z. G.

Hadronic J. Suppl, vol.18, pp.83-88, 2003 (Refereed Journals of Other Institutions)

VII. 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, pp.197-208, 2002 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Fixed Point of Automorphisms Permuting Free Generators of Free Metabelian Lie Algebras**
ESMERLİGİL Z. G. , Ekici N.
4th INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Atina, Greece,
31 August - 03 September 2015, pp.327
- II. **Minimal Central Series of Nilpotent Product of Abelian Lie Algebras**
ESMERLİGİL Z. G. , Ekici N.
3rd INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Vienna,
Austria, 25 - 28 August 2014, pp.549
- III. **Primitive Elements and Preimage of Primitive Sets of Free Lie Algebras**
ESMERLİGİL Z. G. , Ersalan D.
2nd INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Sarajevo,
Bosnia And Herzegovina, 26 - 29 August 2013, pp.20
- IV. **Delta-Primitive Elements of free Metabelian Lie Algebras**
ESMERLİGİL Z. G. , Ersalan D.
1st INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Prishtine,
Kosova, 3 - 07 September 2012, pp.15
- V. **Rankı iki olan Serbest metabelyen Lie Cebirleri için bir Komutatör Testi**
ESMERLİGİL Z. G. , Ekici N.
XXI.ULUSAL MATEMATİK SEMPOZYUMU, İstanbul, Turkey, 1 - 04 September 2008, pp.43
- VI. **İki Üreteçli $F \setminus R$ ' Serbest Lie cebirleri için Komutatör Testi**
ESMERLİGİL Z. G. , Ekici N.
XIX.ULUSAL MATEMATİK SEMPOZYUMU, Kütahya, Turkey, 22 - 25 August 2006, pp.51
- VII. **İki Üreteçli Serbest Metabelyen Lie Cebirlerinin Primitif Elemanları ve Otomorfizmleri**
ESMERLİGİL Z. G. , Ekici N.
XVI. ULUSAL MATEMATİK SEMPOZYUMU, Van, Turkey, 10 - 12 September 2003, pp.101-105
- VIII. **On Abelian Semigroup Presentations**
ESMERLİGİL Z. G. , Ünlü Y.
XI. ULUSAL MATEMATİK SEMPOZYUMU, Isparta, Turkey, 7 - 11 September 1998, pp.57-64
- IX. **YARI GRUP TAKDİMLERİ İLE İLGİLİ ÖRNEKLER**
ESMERLİGİL Z. G. , Ünlü Y.
IV. ULUSAL MATEMATİK SEMPOZYUMU, Hatay, Turkey, 2 - 06 September 1991, pp.116-126

Invited Congress and Symposium Activities

4th INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Attendee, Athina,
Greece, 2015

3rd INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Attendee, Wien,
Austria, 2014

2nd INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Attendee, Sarajevo,
Bosnia And Herzegovina, 2013

1st INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Attendee, Prishtine,
Kosova, 2012

XXI. ULUSAL MATEMATİK SEMPOZYUMU, Attendee, İstanbul, Turkey, 2008
XIX. ULUSAL MATEMATİK SEMPOZYUMU, Attendee, Kütahya, Turkey, 2006
XVI. ULUSAL MATEMATİK SEMPOZYUMU, Attendee, Van, Turkey, 2003
XI. ULUSAL MATEMATİK SEMPOZYUMU, Attendee, Isparta, Turkey, 1998
IV. ULUSAL MATEMATİK SEMPOZYUMU, Attendee, Hatay, Turkey, 1991

Citations

Total Citations (WOS):12

h-index (WOS):2