

# Prof. NAİME EKİCİ

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## Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1979 - 1983

## Research Areas

Mathematics, Nonassociative Rings and Algebras, Natural Sciences

## Academic Titles / Tasks

Professor, Cukurova University, Fen Edebiyat, Matematik, 1997 - Continues

## Academic and Administrative Experience

Cukurova University, Ç.Ü.Fen Edebiyat Fakültesi, Matematik, 2007 - 2010

## Courses

Cebir I, Undergraduate, 2013 - 2014

## Advising Theses

EKİCİ N., Paraserbest Lie cebirleri, Doctorate, Z.Velioğlu(Student), 2013

EKİCİ N., F/R formundaki serbest Lie cebirlerinin test rankı, Doctorate, N.Şahin(Student), 2011

EKİCİ N., Serbest Lie cebirlerinin endomorfizmlerinin sabit noktaları ve sabit nokta alt cebirleri, Doctorate, D.Parlak(Student), 2010

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

- I. **The test rank of a solvable product of free abelian Lie algebras**  
ÖĞÜŞLÜ N. Ş., EKİCİ N.

- JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.18, no.2, 2019 (SCI-Expanded)
- II. **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)
- III. **Central automorphisms of free nilpotent Lie algebras**  
Oztekin O., EKİCİ N.  
JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.16, no.11, 2017 (SCI-Expanded)
- IV. **k-Primitivity and images of primitive elements**  
ÖĞÜŞLÜ N. Ş., EKİCİ N.  
JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.15, no.7, 2016 (SCI-Expanded)
- V. **Ideals and primitive elements of some relatively free Lie algebras**  
Ekici N., Esmerligil Z., Ersalan D.  
SPRINGERPLUS, vol.5, 2016 (SCI-Expanded)
- VI. **Test elements of direct sums and free products of free Lie algebras**  
Eskal C., EKİCİ N.  
PROCEEDINGS OF THE INDIAN ACADEMY OF SCIENCES-MATHEMATICAL SCIENCES, vol.126, no.1, pp.43-48, 2016 (SCI-Expanded)
- VII. **Direct Limit of Parafree Lie Algebras**  
EKİCİ N., Velioglu Z.  
JOURNAL OF LIE THEORY, vol.25, no.2, pp.477-484, 2015 (SCI-Expanded)
- VIII. **Fixed points of IA-endomorphisms of a free metabelian Lie algebra**  
EKİCİ N., Sonmez D. P.  
PROCEEDINGS OF THE INDIAN ACADEMY OF SCIENCES-MATHEMATICAL SCIENCES, vol.121, no.4, pp.405-416, 2011 (SCI-Expanded)
- IX. **Test rank of an abelian product of a free Lie algebra and a free abelian Lie algebra**  
EKİCİ N., ÖĞÜŞLÜ N. Ş.  
PROCEEDINGS OF THE INDIAN ACADEMY OF SCIENCES-MATHEMATICAL SCIENCES, vol.121, no.3, pp.291-300, 2011 (SCI-Expanded)
- X. **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)
- XI. **A particular test element of a free solvable Lie algebra of rank two**  
TEMIZYUREK A., Ekici N.  
ROCKY MOUNTAIN JOURNAL OF MATHEMATICS, vol.37, no.4, pp.1315-1326, 2007 (SCI-Expanded)
- XII. **Test rank of  $F/R'$  Lie algebras**  
ESMERLIGIL Z., KAHYALAR D., Ekici N.  
INTERNATIONAL JOURNAL OF ALGEBRA AND COMPUTATION, vol.16, no.4, pp.817-825, 2006 (SCI-Expanded)
- XIII. **Test sets and test rank of a free metabelian Lie algebra**  
ESMERLIGIL Z. G., Ekici N.  
COMMUNICATIONS IN ALGEBRA, vol.31, no.11, pp.5581-5589, 2003 (SCI-Expanded)
- XIV. **RECOGNIZING AUTOMORPHISMS OF THE FREE COLOR LIE SUPERALGEBRAS**  
KIRAL E., EKİCİ N.  
JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.1, no.3, pp.335-340, 2002 (SCI-Expanded)
- XV. **On generators of free color Lie superalgebras of rank two**  
AYDUN E., Ekici N.  
JOURNAL OF LIE THEORY, vol.12, no.2, pp.529-534, 2002 (SCI-Expanded)
- XVI. **FREE POLYNILPOTENT SUBALGEBRAS OF A FREE POLYNILPOTENT LIE-ALGEBRA**  
EKICI N.  
COMMUNICATIONS IN ALGEBRA, vol.19, no.1, pp.37-43, 1991 (SCI-Expanded)
- XVII. **ON IDEALS OF FREE LIE-ALGEBRAS**  
EKICI N.

- JOURNAL OF PURE AND APPLIED ALGEBRA, vol.45, no.3, pp.201-205, 1987 (SCI-Expanded)
- XVIII. **QUASI-PRIMENESS OF LOWER CENTRAL TERMS OF AN IDEAL IN A FREE LIE-ALGEBRA**  
UNLU Y., EKICI N.  
JOURNAL OF PURE AND APPLIED ALGEBRA, vol.43, no.3, pp.299-302, 1986 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Unions of Parafree Lie Algebras**  
EKİCİ N., VELİOĞLU Z.  
Algebra, vol.2014, pp.1-4, 2014 (Peer-Reviewed Journal)
- II. **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)
- III. **Commutator subalgebras of a free product of Lie algebras**  
EKİCİ N., Mine S., AYDIN E.  
Soochow J. of Mathematics, vol.29, no.1, pp.7-14, 2003 (Peer-Reviewed Journal)
- IV. **Serbest Color ve Serbest Nilpotent Color Lie Süpercebirlerinin Bazı**  
KIRAL E., EKİCİ N.  
Çukurova Üniversitesi Fen Bilimleri Enstitüsü, vol.12, pp.52-65, 2003 (Non Peer-Reviewed Journal)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **Grupların Kelime Çarpımları**  
KIRAL E., EKİCİ N.  
Ç. Ü. Fen ve Müh. Bil. Dergisi, vol.1, pp.15-25, 1996 (Peer-Reviewed Journal)
- X. **On finitely generated free nilpotent Lie superalgebras of class 3**  
Melih B., EKİCİ N., ÜNLÜ Y.  
Algebras groups and geometries, vol.12, no.3, pp.247-254, 1995 (Peer-Reviewed Journal)
- XI. **Graded Lie algebras and applications**  
EKİCİ N.  
Doğa Math., vol.10, no.2, pp.267-271, 1986 (Peer-Reviewed Journal)
- XII. **m k th term of the lower central series of a free Lie algebra as a subalgebra of the m th term**  
Melih B., EKİCİ N.  
Doğa Ser A:Temel Bilimler, vol.7, no.3, pp.363-365, 1983 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Embeddings of solvable products of matrix algebras and generalized Fox derivatives**  
ÖĞÜŞLÜ N. Ş., EKİCİ N.

4th International Eurasian Conference on Mathematical Sciences and Applications, Atina, Greece, 31 August - 03 September 2015

II. **Fixed points of automorphisms permuting free generators of free metabelian Lie algebras**

ESMERLİGİL Z. G., EKİCİ N.

4th International Eurasian Conference on Mathematical Sciences and Applications, 31 August - 03 September 2015

III. **Fixed points of involutions in a Lie algebra of the form  $F/R$**

ERSALAN D., EKİCİ N.

4th International Eurasian Conference on Mathematical Sciences and Applications, Atina, Greece, 31 August - 03 September 2015

IV. **Embeddings of Solvable Products Into Matrix Algebras and Generalized Fox Derivatives**

ÖĞÜŞLÜ N. Ş., EKİCİ N.

4th International Eurasian Conference on Mathematical Sciences and Applications, ATİNA, Greece, 31 August - 03 September 2015

V. **Fixed points of certain automorphisms of free solvable Lie algebras**

EKİCİ N.

IECMSA-2015 4th Int.Eurasian Conf. On Math. Sci. And Applications, Atina, Greece, 31 August - 03 October 2015, pp.304

VI. **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

VII. **A presentation of the free Lie algebra  $F/\gamma_3(F)$**

EKİCİ N., Kaya Gök G.

IECMSA-2015 4th Int.Eurasian Conf. On Math. Sci. And Applications, Atina, Greece, 31 August - 03 September 2015, pp.320

VIII. **The Structure of the Lie algebra  $\gamma_n(F)$**

ERSALAN D., EKİCİ N.

IECMSA\_2014, Viyana, Austria, 25 - 28 August 2014

IX. **Central automorphisms of free nilpotent Lie algebras**

ÖZTEKİN Ö., EKİCİ N.

IECMSA-2014, Viyana, Austria, 25 - 28 August 2014

X. **Minimal central series of nilpotent product of abelian Lie algebras**

ESMERLİGİL Z. G., EKİCİ N.

IECMSA-2014, Viyana, Austria, 25 - 28 August 2014

XI. **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

XII. **A presentation of  $M_{2,m}$**

EKİCİ N., Kaya Gök G.

IECMSA-2014 3rd Int.Eurasian Conf. On Math. Sci. And Applications, Viyana, Austria, 25 - 28 August 2014, pp.53

XIII. **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

XIV. **Parafree metabelian Lie algebras which are determined by parafree Lie algebras**

EKİCİ N., Veliöğlu Z.

IECMSA-2014 3rd Int.Eurasian Conf. On Math. Sci. And Applications, Viyana, Austria, 25 - 28 August 2014, pp.74

XV. **Central automorphisms of free Lie algebras**

EKİCİ N., Öztekin Ö.

IECMSA-2014 3rd Int.Eurasian Conf. On Math. Sci. And Applications, Viyana, Austria, 25 - 28 August 2014, pp.66

- XVI. **Lower central factors of the Lie algebra  $F/\gamma_3(F)'+\gamma_M(F')$**   
EKİCİ N.  
IECMSA-2014 3rd Int.Eurasian Conf. On Math. Sci. And Applications, Viyana, Austria, 25 - 28 August 2014, pp.304
- XVII. **The Test Rank of A Soluble Product of Free Abelian Lie Algebras**  
ÖĞÜŞLÜ N. Ş., EKİCİ N.  
Antalya Algebra Days XVI, Antalya, Turkey, 9 - 13 May 2014, pp.28
- XVIII. **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
- 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. **k-Primitivity and Images of Primitive Elements**  
ÖĞÜŞLÜ N. Ş., EKİCİ N.  
2nd International Eurasian Conf. on Math. Sci. and App., Sarajevo, Bosnia And Herzegovina, 26 - 29 August 2013, pp.39
- XXI. **Test Rank of the Lie Algebra  $F/[R',F]$**   
ÖĞÜŞLÜ N. Ş., EKİCİ N.  
1st International Eurasian Conference on Math. Sci. and Applications, Prishtine, Kosova, 3 - 07 September 2012, pp.25-26
- XXII. **Serbest Nilpotent Lie Cebirlerinin Test Rankı**  
ÖĞÜŞLÜ N. Ş., EKİCİ N.  
XXIV. Ulusal Matematik Sempozyumu, Bursa, Turkey, 7 - 11 September 2011, pp.104
- XXIII. **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
- XXIV. **F/V nin Taşınabilir Olmayan Otomorfizmleri**  
AYDIN E., Ekici N.  
XIX. Ulusal Matematik Sempozyumu, Kütahya, Turkey, 20 - 23 September 2006, pp.49
- XXV. **İki Üreteçli  $F\backslash R'$  Serbest Lie cebirleri için Komutatör Testi**  
ESMERLİGİL Z. G., Ekici N.  
XIX.ULUSAL MATEMATİK SEMPOZYUMU, Kütahya, Turkey, 22 - 25 August 2006, pp.51
- XXVI. **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
- XXVII. **Serbest Metabelyen Lie Cebirlerinde Primitif Taşınabilirlik**  
YAPTI ÖZKURT Z., Ekici N.  
XVIII. Ulusal Matematik Sempozyumu, İstanbul, Turkey, 5 - 08 September 2005, pp.203
- XXVIII. **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
- XXIX. **Rankı 2- olan Serbest Color Lie Süpercebirlerinin Doğurayları**  
AYDIN E., Ekici N.  
Palandöken Matematik Günleri, Erzurum, Turkey, 19 - 23 September 2001, pp.20
- XXX. **Lie cebirlerinin serbest Lie çarpımları**  
AYDIN E., Ekici N., Temizyürek A.  
XI. Ulusal Matematik Sempozyumu, Isparta, Turkey, 23 - 26 September 1998, pp.198-204
- XXXI. **Lie p-cebirlerinde Sonlu koboyutlu alt cebirler**  
AYDIN E., Ekici N.

## Supported Projects

EKİCİ N., Project Supported by Higher Education Institutions, Fixed Points of Certain Automorphisms of Free Solvable Lie Algebras, 2015 - 2015

ÖĞÜŞLÜ N. Ş., EKİCİ N., Project Supported by Higher Education Institutions, Embeddings of Solvable Products Into Matrix Algebras and Generalized Fox Derivatives, 2015 - 2015

EKİCİ N., Project Supported by Higher Education Institutions, Lower Central Factors of the Lie Algebra  $F/\gamma_3(F) + \gamma_m(F)$ , 2014 - 2014

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

## Metrics

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