

## Assoc. Prof. EMİNE KOÇ SÖĞÜTCÜ

### Personal Information

**Email:** eminekoc@cumhuriyet.edu.tr

**Web:** <https://avesis.cumhuriyet.edu.tr/eminekoc>

### Education Information

Doctorate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 2008 - 2012

Postgraduate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 2005 - 2008

Undergraduate, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, Turkey 2001 - 2005

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Genelleştirilmiş türevli asal halkaların değişmeliği üzerine, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, 2012

Postgraduate, Genelleştirilmiş türevli asal halkalar, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, 2008

### Research Areas

Mathematics, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2018 - Continues

Assistant Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2013 - 2018

Research Assistant, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2006 - 2013

### Courses

Cebir - II, Undergraduate, 2018 - 2019

Türevli Halkalar-I, Postgraduate, 2019 - 2020

Lineer Cebir, Undergraduate, 2019 - 2020

Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020

Lineer Cebir - I, Undergraduate, 2019 - 2020

Seminer Dersi, Postgraduate, 2019 - 2020

Cebir - II, Undergraduate, 2018 - 2019

Lineer Cebir, Undergraduate, 2019 - 2020

İşletme Matematiği, Undergraduate, 2017 - 2018

İşletme Matematiği, Undergraduate, 2017 - 2018  
Bitirme Ödevi/Tezi, Undergraduate, 2018 - 2019  
Bilgisayar Destekli Lineer Cebir, Undergraduate, 2016 - 2017  
Türevli Halkalar-II, Postgraduate, 2017 - 2018  
Yüksek Matematik, Undergraduate, 2017 - 2018  
Lineer Cebir - II, Undergraduate, 2016 - 2017  
Cebir - Iv, Undergraduate, 2016 - 2017  
Cebir - Iv, Undergraduate, 2016 - 2017  
Bilgisayar Destekli Lineer Cebir, Undergraduate, 2016 - 2017  
Yüksek Matematik, Undergraduate, 2017 - 2018  
Cebir - I, Undergraduate, 2017 - 2018  
Cebir - I, Undergraduate, 2017 - 2018  
Sayılar Teorisi, Undergraduate, 2015 - 2016  
Cebir - III, Undergraduate, 2016 - 2017  
Genel Matematik - II, Undergraduate, 2015 - 2016  
Cebir - III, Undergraduate, 2016 - 2017  
Matematik, Associate Degree, 2016 - 2017  
Sayılar Teorisi, Undergraduate, 2015 - 2016  
Modüller Teorisi, Postgraduate, 2015 - 2016  
Genel Matematik - II, Undergraduate, 2015 - 2016  
Lineer Cebir, Undergraduate, 2015 - 2016  
Lineer Cebir - I, Undergraduate, 2015 - 2016  
Genel Matematik - I, Undergraduate, 2015 - 2016  
Cebire Giriş, Undergraduate, 2015 - 2016  
Elemantar Sayı Kuramı, Undergraduate, 2015 - 2016  
Lineer Cebir - II, Undergraduate, 2014 - 2015  
Elemantar Sayı Kuramı, Undergraduate, 2015 - 2016  
Lineer Cebir - II, Undergraduate, 2014 - 2015  
Lineer Cebir - I, Undergraduate, 2015 - 2016  
Lineer Cebir - II, Undergraduate, 2014 - 2015  
Lineer Cebir - II, Undergraduate, 2014 - 2015  
Cebire Giriş, Undergraduate, 2015 - 2016  
Genel Matematik - I, Undergraduate, 2015 - 2016  
Soyut Matematik - II, Undergraduate, 2013 - 2014  
Soyut Matematik - II, Undergraduate, 2013 - 2014  
Lineer Cebir - I, Undergraduate, 2014 - 2015  
Halka Teorisi, Postgraduate, 2014 - 2015  
Soyut Matematik, Undergraduate, 2013 - 2014  
Genel Matematik - I, Undergraduate, 2014 - 2015  
Lineer Cebir - I, Undergraduate, 2014 - 2015  
Soyut Matematik, Undergraduate, 2013 - 2014  
Genel Matematik - I, Undergraduate, 2013 - 2014  
Genel Metamatik, Undergraduate, 2013 - 2014  
Matematik, Undergraduate, 2013 - 2014  
Soyut Matematik - I, Undergraduate, 2013 - 2014  
Genel Matematik - I, Undergraduate, 2013 - 2014  
Soyut Matematik - I, Undergraduate, 2013 - 2014

## Advising Theses

Koç Sögütcü E., MULTIPLICATIVE GENERALIZED DERIVATIONS IN PRIME AND SEMIPRIME RINGS, Postgraduate, Y.GÜRSOY(Student), 2017

Koç Sögütcü E., PRIME AND SEMIPRIME RINGS WITH GENERALIZED DERIVATIONS IN LIE IDEALS, Postgraduate, E.DERNEK(Student), 2016

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

- I. **Note on Lie ideals with symmetric bi-derivations in semiprime rings**  
KOÇ SÖGÜTCÜ E., Huang S.  
INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, 2022 (Journal Indexed in SCI)
- II. **Some results on ideals of semiprime rings with multiplicative generalized derivations**  
Koç E., Gölbaşı Ö.  
COMMUNICATIONS IN ALGEBRA, vol.46, pp.4905-4913, 2018 (Journal Indexed in SCI)
- III. **On  $(*)$ - $(\sigma, T)$ -Lie ideals of  $(*)$ -prime rings with derivation**  
AYDIN N., KOÇ E., GÖLBAŞI Ö.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.47, no.5, pp.1240-1247, 2018 (Journal Indexed in SCI)
- IV. **MULTIPLICATIVE GENERALIZED DERIVATIONS ON LIE IDEALS IN SEMIPRIME RINGS II**  
KOÇ E., GÖLBAŞI Ö.  
MISKOLC MATHEMATICAL NOTES, vol.18, no.1, pp.265-276, 2017 (Journal Indexed in SCI)
- V. **On Centralizing and Strong Commutativity Preserving Maps of Semiprime Rings**  
Huang S., Golbasi Ö., Koc E.  
UKRAINIAN MATHEMATICAL JOURNAL, vol.67, no.2, pp.323-331, 2015 (Journal Indexed in SCI)
- VI. **NOTES ON GENERALIZED DERIVATIONS OF  $*$ -PRIME RINGS**  
KOÇ E., Rehman N. U.  
MISKOLC MATHEMATICAL NOTES, vol.15, no.1, pp.117-123, 2014 (Journal Indexed in SCI)
- VII. **A NOTE ON  $(\sigma, \tau)$ -DERIVATIONS OF RINGS WITH INVOLUTION**  
KOÇ E., GÖLBAŞI Ö.  
MISKOLC MATHEMATICAL NOTES, vol.15, no.2, pp.559-569, 2014 (Journal Indexed in SCI)
- VIII. **Notes on Jordan  $(\sigma, \tau)$ \*-derivations and Jordan triple  $(\sigma, \tau)$ \*-derivations**  
GÖLBAŞI Ö., KOÇ E.  
AEQUATIONES MATHEMATICAE, vol.85, no.3, pp.581-591, 2013 (Journal Indexed in SCI)
- IX. **ON RINGS OF QUOTIENTS OF SEMIPRIME Gamma-RINGS**  
KOÇ E., GÖLBAŞI Ö.  
MISKOLC MATHEMATICAL NOTES, vol.13, no.2, pp.397-414, 2012 (Journal Indexed in SCI)
- X. **Generalized derivations on Lie ideals in prime rings**  
Koç E.  
Turkish Journal Of Mathematics, vol.35, no.1, pp.23-28, 2011 (Journal Indexed in SCI Expanded)
- XI. **NOTES ON THE COMMUTATIVITY OF PRIME NEAR-RINGS**  
Koc E.  
MISKOLC MATHEMATICAL NOTES, vol.12, no.2, pp.193-200, 2011 (Journal Indexed in SCI)
- XII. **ON  $(\sigma, \tau)$ -LIE IDEALS WITH GENERALIZED DERIVATION**  
GÖLBAŞI Ö., KOÇ E.  
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, vol.47, no.6, pp.1121-1129, 2010 (Journal Indexed in SCI)
- XIII. **Notes On Generalized  $(\sigma, \tau)$ -Derivation**  
GÖLBAŞI Ö., KOÇ E.  
RENDICONTI DEL SEMINARIO MATEMATICO DELLA UNIVERSITA DI PADOVA, vol.123, pp.131-139, 2010 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **SOME RESULT ON LIE IDEALS WITH SYMMETRIC REVERSE BI-DERIVATIONS IN SEMIPRIME RINGS I**  
KOÇ SÖGÜTCÜ E., GÖLBAŞI Ö.  
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.36, no.2, pp.309-319, 2021 (Journal Indexed in ESCI)
- II. **Comparison of Jordan ( $\sigma, \tau$ )- Derivations and Jordan Triple ( $\sigma, \tau$ )- Derivations in Semiprime Rings**  
Koç Sögütcü E., Gölbaşı Ö.  
Adıyaman University Journal of Science, vol.10, no.1, pp.264-272, 2020 (Refereed Journals of Other Institutions)
- III. **On Generalized ( $\sigma, \tau$ )-Derivations in 3-Prime Near-Rings**  
Koç Sögütcü E.  
Tamkang Journal of Mathematics, vol.51, no.1, 2020 (Journal Indexed in ESCI)
- IV. **LIE IDEALS AND COMMUTATIVITY OF 2-TORSION FREE SEMIPRIME RINGS WITH GENERALIZED DERIVATION**  
Koç Sögütcü E., Gölbaşı Ö.  
East Asian Math. J., vol.36, no.1, pp.101-114, 2020 (Refereed Journals of Other Institutions)
- V. **Lie ideals and Jordan triple ( $\alpha, \beta$ )-derivations in rings**  
Rehman N. U. , Koç Sögütcü E.  
Communications Faculty Of Science University of Ankara Series A1 Mathematics and Statistics, vol.69, no.1, pp.528-539, 2020 (Refereed Journals of Other Institutions)
- VI. **Remarks on  $(\sigma, T)$ -Lie Ideals of  $n$ -Prime Rings with Derivation**  
KOÇ SÖGÜTCÜ E., AYDIN N., GÖLBAŞI Ö.  
Fasciculi Mathematici, vol.60, no.1, pp.161-171, 2018 (Refereed Journals of Other Institutions)
- VII. **Lie Ideals of Semiprime Rings with Generalized Derivations**  
KOÇ SÖGÜTCÜ E., GÖLBAŞI Ö.  
Adıyaman University Journal of Science, vol.8, no.1, pp.1-12, 2018 (Refereed Journals of Other Institutions)
- VIII. **ON SEMIGROUP IDEALS OF PRIME NEAR-RINGS WITH GENERALIZED SEMIDERIVATION**  
GÖLBAŞI Ö., KOÇ SÖGÜTCÜ E.  
Palestine Journal of Mathematics, vol.7, no.1, pp.243-250, 2018 (Refereed Journals of Other Institutions)
- IX. **NOTES ON SYMMETRIC SKEW  $n$ -DERIVATION IN RINGS**  
KOÇ E., Rehman N. U.  
COMMUNICATIONS OF THE KOREAN MATHEMATICAL SOCIETY, vol.33, no.4, pp.1113-1121, 2018 (Journal Indexed in ESCI)
- X. **Semiprime Rings with Multiplicative Generalized Derivations on Lie Ideals**  
KOÇ SÖGÜTCÜ E.  
Cumhuriyet Science Journal, vol.38, no.3, pp.473-479, 2017 (Other Refereed National Journals)
- XI. **On Gamma Ring of Quotientsof Semiprime Gamma Ring**  
KOÇ E., GÖLBAŞI Ö., HUANG S.  
Adıyaman University Journal of Science, vol.7, no.1, pp.12-36, 2017 (Other Refereed National Journals)
- XII. **MULTIPLICATIVE GENERALIZED DERIVATIONS ON LIE IDEALS IN SEMIPRIME RINGS I**  
KOÇ E., GÖLBAŞI Ö.  
Palestine Journal of Mathematics, vol.6, no.1, pp.219-227, 2017 (Refereed Journals of Other Institutions)
- XIII. **RESULTS ON  $\alpha$ -\*CENTRALIZERS OF PRIME AND SEMIPRIME RINGS WITH INVOLUTION**  
KOÇ E., GÖLBAŞI Ö.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.66, no.1, pp.172-178, 2017 (Journal Indexed in ESCI)
- XIV. **Genelleştirilmiş Türevli Yarıasal Halkaların Lie İdealleri Üzerine**  
KOÇ E., DERNEK E.  
Cumhuriyet Üniversitesi Fen-Edebiyat Fakültesi Fen Bilimleri Dergisi, vol.37, no.4, pp.359-370, 2016 (Refereed Journals of Other Institutions)

- XV. **Semiprime Near-Rings with Multiplicative Generalized  $(\theta, \theta)$ -Derivations**  
KOÇ E., GÖLBAŞI Ö.  
Fasciculi Mathematici, vol.57, no.1, pp.105-119, 2016 (Refereed Journals of Other Institutions)
- XVI. **Some Results on Generalized  $(\alpha, \beta)$ -Derivations in  $\theta$ -Prime Rings**  
MUHAMMED C., GÖLBAŞI Ö., KOÇ E.  
International Journal of Mathematics and Mathematical Sciences, vol.2015, pp.1-6, 2015 (Refereed Journals of Other Institutions)
- XVII. **Notes on Generalized Jordan  $(\sigma, \tau)$  -Derivations Of Semiprime Rings With Involution**  
HUANG S., KOÇ SÖGÜTCÜ E.  
Boletim da Sociedade Paranaense de Matemática, vol.32, no.1, pp.255-262, 2014 (Refereed Journals of Other Institutions)
- XVIII. **Lie ideals and  $(\alpha, \beta)$  -derivations of  $\theta$ -prime rings**  
REHMAN N. U. , GÖLBAŞI Ö., KOÇ SÖGÜTCÜ E.  
RENDICONTI DEL CIRCOLO MATEMATICO DI PALERMO, vol.62, no.2, pp.245-251, 2013 (Refereed Journals of Other Institutions)
- XIX. **Some results in semiprime rings with derivation**  
KOÇ E.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.62, no.1, pp.11-20, 2013 (Other Refereed National Journals)
- XX. **Some Results On Prime Rings With  $(\sigma, \tau)$ -Derivation**  
GÖLBAŞI Ö., KOÇ E.  
Advances in Algebra, vol.5, no.1, pp.11-16, 2012 (Refereed Journals of Other Institutions)
- XXI. **SOME COMMUTATIVITY THEOREMS OF PRIME RINGS WITH GENERALIZED  $(\sigma, \tau)$ -DERIVATION**  
GÖLBAŞI Ö., KOÇ E.  
COMMUNICATIONS OF THE KOREAN MATHEMATICAL SOCIETY, vol.26, no.3, pp.445-454, 2011 (Refereed Journals of Other Institutions)
- XXII. **NOTES ON COMMUTATIVITY OF PRIME RINGS WITH GENERALIZED DERIVATION**  
GÖLBAŞI Ö., KOÇ E.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.58, no.2, pp.39-46, 2009 (Refereed Journals of Other Institutions)
- XXIII. **Notes on ideals and orthogonal generalized  $(\sigma, \tau)$  -derivations**  
KOÇ E.  
East Asian Mathematical Journal, vol.24, no.4, pp.389-398, 2008 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- I. **On  $(\sigma, \tau)$ -Lie Ideals of  $\theta$ -Prime Rings with Derivation**  
GÖLBAŞI Ö., KOÇ E., AYDIN N.  
I. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 October 2017
- II. **İnvölüsyonlu Asal ve Yarıasal Halkarın  $(\alpha)$ -Merkezleyenleri Üzerine Sonuçlar**  
KOÇ E., GÖLBAŞI Ö.  
11. Ankara Matematik Günleri, Turkey, 26 May 2016 - 27 May 2017
- III. **Genelleştirilmiş Türevli Yarı-asal Halkaların Lie İdealleri Üzerine**  
KOÇ SÖGÜTCÜ E.  
12. Ankara Matematik Günleri, Ankara, Turkey, 25 - 26 May 2017
- IV. **Türevli Asal Halkaların  $(\sigma, \tau)$ -Lie İdealleri Üzerine**  
GÖLBAŞI Ö., KOÇ E., AYDIN N.  
12. Ankara Matematik Günleri, Ankara, Turkey, 25 - 26 May 2017
- V. **Lie Ideals of Semiprime Rings with Generalized Derivations**  
KOÇ SÖGÜTCÜ E.

International Conference on Mathematics and Mathematics Education 2017, Şanlıurfa, Turkey, 11 - 13 May 2017

- VI. **On Semigroup Ideals of Prime Near-Rings with Generalized Semiderivation**  
KOÇ SÖGÜTCÜ E., GÖLBAŞI Ö.  
International Conference on Mathematics and Mathematics Education 2017, Şanlıurfa, Turkey, 11 - 13 May 2017
- VII. **Çarpımsal Genelleştirilmiş Türev Yardımıyla Halkaların Değişmeli Olma Koşulları**  
KOÇ SÖGÜTCÜ E.  
IV. Kadın Matematikçiler Derneği Çalıştayı, Ankara, Turkey, 28 - 29 April 2017
- VIII. **On  $(\sigma, \tau)$ -Lie Ideals Of  $\theta$ -Prime Rings With Derivation**  
GÖLBAŞI Ö., KOÇ E., AYDIN N.  
IV. Kadın Matematikçiler Derneği Çalıştayı, Ankara, Turkey, 28 - 29 April 2017
- IX. **Yarı Asal Halkaların Lie İdeali Üzerinde Çarpımsal Genelleştirilmiş Türevleri**  
KOÇ E., GÖLBAŞI Ö.  
10. Ankara Matematik Günleri, odtü, Ankara, Turkey, 11 - 12 June 2015
- X. **Semiprime Near Rings with Multiplicative Generalized  $\theta$  Derivations**  
KOÇ E., GÖLBAŞI Ö.  
II. Kadın Matematikçiler Derneği Çalıştayı, Sivas, Turkey, 1 - 03 May 2015

## Citations

Total Citations (WOS):4

h-index (WOS):1