

Prof. HANDAN KÖSE

Personal Information

Office Phone: [+90 312 216 8799](tel:+903122168799)

Email: handankose@ankara.edu.tr

Web: <https://avesis.ankara.edu.tr/handankose>

International Researcher IDs

ScholarID: uT2bX0wAAAAJ

ORCID: 0000-0002-0741-6848

ScopusID: 55559238500

Yoksis Researcher ID: 106121

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Turkey 2002 - 2007

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Turkey 1999 - 2002

Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 1995 - 1999

Dissertations

Doctorate, Sonlu yansıma gruplarının gösterimleri için sayma yöntemleri, Ankara University, Fen Bilimleri Enstitüsü, 2007

Postgraduate, Genelleştirilmiş simetrik grupların gösterimleri, Ankara University, Fen Bilimleri Enstitüsü, 2002

Research Areas

Mathematics, Natural Sciences

Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Bilgisayar Bilimleri Bölümü, 2023 - Continues

Professor, Kirşehir Ahi Evran University, Fen Edebiyat Fakültesi, Matematik, 2023 - 2023

Associate Professor, Kirşehir Ahi Evran University, Fen Edebiyat Fakültesi, Matematik, 2017 - 2023

Assistant Professor, Kirşehir Ahi Evran University, Fen Edebiyat Fakültesi, Matematik, 2009 - 2017

Research Assistant, Ankara University, Fen Fakültesi, Matematik Bölümü, 2003 - 2007

Academic and Administrative Experience

Head of Department, Ankara University, Fen Fakültesi, Bilgisayar Bilimleri Bölümü, 2024 - Continues

Courses

Undergraduate

Discrete Mathematics, Undergraduate, 2023 - 2024

Linear Algebra And Its Applications, Undergraduate, 2024 - 2025

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On strongly quasipolar rings**
Köse H., Üngör B., Harmanci A.
Filomat, vol.38, no.25, pp.8877-8891, 2024 (SCI-Expanded)
- II. **e-reversibility of rings via quasinilpotents**
KÖSE H., ÜNGÖR B., Harmanci A.
GEORGIAN MATHEMATICAL JOURNAL, vol.30, no.6, pp.903-918, 2023 (SCI-Expanded)
- III. **Reversible ring property via idempotent elements**
KÖSE H., ÜNGÖR B., Harmanci A.
GEORGIAN MATHEMATICAL JOURNAL, vol.29, no.6, pp.851-862, 2022 (SCI-Expanded)
- IV. **REFLEXIVITY OF RINGS VIA NILPOTENT ELEMENTS**
Harmanci A., KÖSE H., KURTULMAZ Y., ÜNGÖR B.
REVISTA DE LA UNION MATEMATICA ARGENTINA, vol.61, no.2, pp.277-290, 2020 (SCI-Expanded)
- V. **The p-Drazin Inverse for Operator Matrix over Banach Algebras**
Chen H., Zou H., ÇALCI T., KÖSE H.
FILOMAT, vol.34, no.14, pp.4597-4605, 2020 (SCI-Expanded)
- VI. **The g-drazin inverse involving power commutativity**
Chen H., Sheibani M., KÖSE H.
Filomat, vol.34, no.9, pp.2961-2969, 2020 (SCI-Expanded)
- VII. **On Medium *-Clean Rings**
Chen H., Abdolyousefi M. S., KÖSE H.
Mediterranean Journal of Mathematics, vol.16, no.1, 2019 (SCI-Expanded)
- VIII. **Almost unit-clean rings**
Chen H., KÖSE H., Kurtulmaz Y.
Mathematical Reports, vol.21, no.1, pp.113-121, 2019 (SCI-Expanded)
- IX. **Semicommutativity of Rings by the Way of Idempotents**
KÖSE H., ÜNGÖR B., Harmanci A.
FILOMAT, vol.33, no.11, pp.3497-3508, 2019 (SCI-Expanded)
- X. **Factorizations of Matrices over Projective-free Rings**
Chen H., KÖSE H., Kurtulmaz Y.
Algebra Colloquium, vol.23, no.1, pp.23-32, 2016 (SCI-Expanded)
- XI. **Strongly clean triangular matrix rings with endomorphisms**
Chen H., KÖSE H., Kurtulmaz Y.
Bulletin of the Iranian Mathematical Society, vol.41, no.6, pp.1365-1374, 2015 (SCI-Expanded)
- XII. **On feckly clean rings**
Chen H., KÖSE H., Kurtulmaz Y.
Journal of Algebra and its Applications, vol.14, no.4, 2015 (SCI-Expanded)
- XIII. **Uniquely strongly clean triangular matrices**
Chen H., Gurgun O., KÖSE H.
TURKISH JOURNAL OF MATHEMATICS, vol.39, no.5, pp.645-649, 2015 (SCI-Expanded)
- XIV. **A generalization of reversible rings**
Kose H., ÜNGÖR B., HALICIOĞLU S., Harmanci A.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.38, no.A1, pp.43-48, 2014 (SCI-Expanded)
- XV. **Extensions of strongly π -regular rings**

Chen H., KÖSE H., Kurtulmaz Y.

Bulletin of the Korean Mathematical Society, vol.51, no.2, pp.555-565, 2014 (SCI-Expanded)

XVI. **Strongly clean matrices over commutative local rings**

Chen H., Gurgun O., Kose H.

Journal of Algebra and its Applications, vol.12, no.1, 2013 (SCI-Expanded)

XVII. **On π -morphic modules**

Harmanci A., KÖSE H., Kurtulmaz Y.

Hacettepe Journal of Mathematics and Statistics, vol.42, no.4, pp.411-418, 2013 (SCI-Expanded)

Articles Published in Other Journals

I. **Certain Clean Decompositions for Matrices over Local Rings**

Kurtulmaz Y., KÖSE H., Chen H.

Kyungpook Mathematical Journal, vol.63, no.4, pp.561-569, 2023 (ESCI)

II. **Symmetry and reversibility from the perspective of nilpotents**

HARMANCI A., KÖSE H., ÜNGÖR B.

COMMUNICATIONS OF THE KOREAN MATHEMATICAL SOCIETY, vol.36, no.2, pp.209-227, 2021 (ESCI)

III. **SYMMETRICITY AND REVERSIBILITY FROM THE PERSPECTIVE OF NILPOTENTS**

Harmanci A., KÖSE H., ÜNGÖR B.

COMMUNICATIONS OF THE KOREAN MATHEMATICAL SOCIETY, vol.36, no.2, pp.209-227, 2021 (ESCI)

IV. **Rings having normality in terms of the Jacobson radical**

Kose H., Kurtulmaz Y., ÜNGÖR B., Harmanci A.

ARABIAN JOURNAL OF MATHEMATICS, vol.9, no.1, pp.123-135, 2020 (ESCI)

V. **LOCAL COMPARABILITY OF EXCHANGE IDEALS**

KÖSE H., KURTULMAZ Y., Chen H.

International Electronic Journal of Algebra, vol.25, pp.1-11, 2019 (ESCI)

VI. **A nil approach to symmetry of rings**

ÜNGÖR B., Kose H., Kurtulmaz H., Harmanci A.

Indian Journal of Mathematics, vol.60, no.2, pp.337-357, 2018 (Scopus)

VII. **Central CNZ rings**

KÖSE H., HARMANCI A.

Transactions Issue Mathematics, Azerbaijan National Academy of Sciences, vol.38, no.1, pp.95-104, 2018 (Scopus)

VIII. **On a class of semicommutative rings**

HARMANCI A., KÖSE H.

New Zealand Journal of Mathematics, pp.69-85, 2017 (Peer-Reviewed Journal)

IX. **Strongly clean matrices over power series**

CHEN H., KÖSE H., KURTULMAZ Y.

Kyungpook Mathematical Journal, vol.56, no.2, pp.387-396, 2016 (ESCI)

X. **Strongly P clean rings and matrices**

CHEN H., KÖSE H., KURTULMAZ Y.

Int. Electron. J. Algebra, vol.15, pp.116-131, 2014 (Peer-Reviewed Journal)

XI. **McCoy modules**

KÖSE H.

Algebras Groups Geom., vol.27, no.1, pp.73-87, 2010 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

I. **Some notes on semicommutative rings**

Dürüst A., KÖSE H.

6th International Conference on Engineering and Natural Science (ISPEC-2020), Şanlıurfa, Turkey, 24 January 2020

- II. **Some progress on reversible rings**
KÖSE H.
Operators in general Morrey-Type spaces and Applications-OMTSA, 16 - 20 July 2019
- III. **A perspective on amalgamated rings via symmetricity**
KÖSE H., ÜNGÖR B., KURTULMAZ Y., Harmanci A.
5th International Conference Noncommutative Rings and their Applications, Lens, France, 12 - 15 June 2017, vol.727, pp.237-247
- IV. **On Semicommutative Rings**
KÖSE H.
International Conference on Analysis and Its Applications-ICAA 2018, Kırşehir, Turkey, 11 - 14 September 2018
- V. **An Approach to Semicommutativity of Rings via Idempotents**
KÖSE H., ÜNGÖR B., HARMANCI A.
International Conference on Mathematics and Mathematics Education-ICMME 2018, Ordu, Turkey, 27 - 29 June 2018
- VI. **Generalization Of Reflexive Rings And Their Applications**
KÖSE H.
International Conference On Mathematical Advances And Applications-ICOMAA 2018, İstanbul, Turkey, 11 - 13 May 2018
- VII. **Sıfırda Değişmeli Nilpotentlerin Merkezi Olma Özellikleri**
KÖSE H., HARMANCI A.
13. Ankara Matematik Günleri, Ankara, Turkey, 27 - 28 April 2018
- VIII. **Central CNZ Rings**
KÖSE H., HARMANCI A.
Modern Problems of Mathematics and Mechanics, Baku, Azerbaijan, 6 - 08 December 2017
- IX. **J-Yarı Değişmeli Değişimli Halkalar**
KÖSE H., HARMANCI A.
30. Ulusal Matematik Sempozyumu, Ankara, Turkey, 6 - 09 September 2017
- X. **Perfectly Optimally Clean Rings**
KÖSE H., HARMANCI A.
Operators on Morrey-Type Spaces and Applications, Kırşehir, Turkey, 10 - 13 July 2017
- XI. **An effective approach for semicommutative rings**
KÖSE H., HARMANCI A.
International Conference On Mathematics and Engineering, İstanbul, Turkey, 10 - 12 May 2017
- XII. **On feckly clean Rings**
KÖSE H., Chen H., KURTULMAZ Y.
. Kadın Matematikçiler Derneği Çalıştayı, Turkey, 27 - 29 May 2016
- XIII. **Güçlü P-Temiz Halkalar ve Matrisler**
KÖSE H., Chen H., KURTULMAZ Y.
28. Ulusal Matematik Sempozyumu, Turkey, 7 - 09 September 2015
- XIV. **Tek Türü Güçlü Temiz Üçgensel Matrisler**
KÖSE H., Chen H., Güngör O.
10. Ankara Matematik Günleri, Turkey, 11 - 12 June 2015
- XV. **Zayıf Simetrik Halkalar**
KÖSE H., ÜNGÖR B., HARMANCI A.
II. Kadın Matematikçiler Derneği Çalıştayı, Turkey, 1 - 03 May 2015
- XVI. **Nil Reflexive Rings**
KÖSE H.
International Conference on Algebra and Number Theory, 5 - 08 August 2014
- XVII. **Değişimli q-Düzenli İdealler**

KÖSE H., Chen H., KURTULMAZ Y.

9. Ankara Matematik Günleri, Turkey, 12 - 13 June 2014

XVIII. **Üstel Sıfırlı Yansımali Halkalar**

KÖSE H., Bakır F.

9. Ankara Matematik Günleri, Turkey, 12 - 13 June 2014

XIX. **\pi-Morfik Modüller**

KÖSE H., HARMANCI A., KURTULMAZ Y.

7. Ankara Matematik Günleri, Turkey, 31 May - 01 June 2012

XX. **Generalized Semicommutative Rings**

KÖSE H.

International Jangjeon Mathematical Society, 20 - 23 July 2011

Expert Reports

I. **Duo ring property restricted to groups of units**

KÖSE H.

2015

II. **On linearly weak Armendariz rings**

KÖSE H.

2015

III. **On generalizations of commutativity**

KÖSE H.

2015

IV. **On Properties related to reversible rings**

KÖSE H.

2015

V. **Semicommutative property on nilpotent products**

KÖSE H.

2014

VI. **Nilpotent elements and extended reversible rings**

KÖSE H.

2014

VII. **Extensions of generalized n like rings**

KÖSE H.

2014

VIII. **Extensions of linearly McCoy rings**

KÖSE H.

2013

IX. **On McCoy condition and semicommutative rings**

KÖSE H.

2013

Metrics

Publication: 57

Citation (WoS): 21

Citation (Scopus): 56

H-Index (WoS): 2

H-Index (Scopus): 4