

# Prof. HANDAN KÖSE

## Personal Information

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## International Researcher IDs

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## Education

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 Positions

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

## Journal articles indexed in 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  $\pi$ -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  $\pi$ -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. **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)

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 symmetricity 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 Presented at Peer-Reviewed Scientific Conferences

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, (Full Text)
- 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, (Summary Text)
- 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, (Summary Text)
- 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, (Summary Text)
- 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, (Summary Text)

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