

## Prof. NEŞE ÖMÜR

### Personal Information

**Email:** neseomur@kocaeli.edu.tr

**Web:** <https://avesis.kocaeli.edu.tr/neseomur>

### International Researcher IDs

ORCID: 0000-0002-3972-9910

Yoksis Researcher ID: 202585

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

- I. **Applications of Catalan Neural Network (CaNN) model**  
Duman M. G., KOPARAL S., Duran Ö., ÖMÜR N.  
International Journal of Modern Physics C, vol.36, no.4, 2025 (SCI-Expanded)
- II. **New approach: Solvent effects of benzaldehyde in aliphatic alcohol solvents with FT-IR spectroscopy and augmented vertex-adjacency matrices**  
KARA Y. S., KOPARAL S., TEKİN N., ÖMÜR N.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1321, 2025 (SCI-Expanded)
- III. **Congruences with q-harmonic numbers and q-binomial coefficients**  
Elkhiri L., Koparal S., ÖMÜR N.  
Indian Journal of Pure and Applied Mathematics, vol.55, no.2, pp.639-648, 2024 (SCI-Expanded)
- IV. **Families of higher order q-Euler numbers and polynomials**  
KOPARAL S., Duran O., ÇETİNKAYA S., ÖMÜR N.  
FILOMAT, no.23, pp.8251-8263, 2024 (SCI-Expanded)
- V. **On three-dimensional  $q$ -Riordan arrays**  
Fang G., KOPARAL S., ÖMÜR N., Duran O., Khan W. A.  
DEMONSTRATIO MATHEMATICA, vol.57, no.1, 2024 (SCI-Expanded)
- VI.  **$q$ -Analogues of  $H_{n,m}(\sigma)$  and Their Applications**  
Guan H., KOPARAL S., ÖMÜR N., Khan W. A.  
MATHEMATICS, vol.11, no.19, 2023 (SCI-Expanded)
- VII. **Some Identities with Multi-Generalized q-Hyperharmonic Numbers of Order r**  
Chen Z., ÖMÜR N., KOPARAL S., Khan W. A.  
Symmetry, vol.15, no.4, 2023 (SCI-Expanded)
- VIII. **Some congruences with q-binomial coefficients and q-harmonic numbers**  
KOPARAL S., ÖMÜR N., Elkhiri L.  
Hacettepe Journal of Mathematics and Statistics, vol.52, no.2, pp.445-458, 2023 (SCI-Expanded)
- IX. **On q-congruences related to  $H_n(x;q)$  and  $M_n(x;q)$**   
Koparal S., ÖMÜR N., Elkhiri L.  
Indian Journal of Pure and Applied Mathematics, 2023 (SCI-Expanded)
- X. **Some congruences with q-binomial sums**  
ÖMÜR N., GÜR Z. B., KOPARAL S., ELKHİRİ L.  
Turkish Journal of Mathematics, vol.47, no.7, pp.2006-2027, 2023 (SCI-Expanded)
- XI. **SOME IDENTITIES FOR DERANGEMENT NUMBERS**  
KOPARAL S., ÖMÜR N., Sudemen K. N.  
MISKOLC MATHEMATICAL NOTES, vol.23, no.2, pp.773-785, 2022 (SCI-Expanded)
- XII. **Congruences with q-generalized Catalan numbers and q-harmonic numbers**

- ÖMÜR N., Gur Z. B., KOPARAL S.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.51, no.3, pp.712-724, 2022 (SCI-Expanded)
- XIII. **On Congruences with Binomial Coefficients and Harmonic Numbers**  
KOPARAL S., Elkhiri L., ÖMÜR N.  
FILOMAT, vol.36, no.3, pp.951-960, 2022 (SCI-Expanded)
- XIV. **On congruences related to trinomial coefficients and harmonic numbers**  
ÖMÜR N., KOPARAL S., Elkhiri L.  
TURKISH JOURNAL OF MATHEMATICS, vol.45, no.4, pp.1592-1604, 2021 (SCI-Expanded)
- XV. **NEW CONGRUENCES WITH THE GENERALIZED CATALAN NUMBERS AND HARMONIC NUMBERS**  
Elkhiri L., KOPARAL S., ÖMÜR N.  
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, vol.58, no.5, pp.1079-1095, 2021 (SCI-Expanded)
- XVI. **Powers Sums of the First and Second Kinds of Chebyshev Polynomials**  
Kılıç E., Koparal S., Ömür N.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.44, pp.425-435, 2020 (SCI-Expanded)
- XVII. **Some applications on  $q$ -analog of the generalized hyperharmonic numbers of order  $r$ ,  $H_n^{(r)}(q)$  ( $\alpha$ )**  
KOPARAL S., ÖMÜR N., Colak C. D.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.49, no.6, pp.2094-2103, 2020 (SCI-Expanded)
- XVIII. **New analogues of the Filbert and Lilbert matrices via products of two  $k$ -tuples asymmetric entries**  
Kilic E., ÖMÜR N., KOPARAL S.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.49, no.2, pp.684-694, 2020 (SCI-Expanded)
- XIX. **On congruences involving special numbers**  
Koparal S., Ömür N.  
JOURNAL OF THE RAMANUJAN MATHEMATICAL SOCIETY, vol.34, pp.151-167, 2019 (SCI-Expanded)
- XX. **New asymmetric generalizations of the Filbert and Lilbert matrices**  
Kilic E., Koparal S., Ömür N.  
PERIODICA MATHEMATICA HUNGARICA, vol.78, pp.231-241, 2019 (SCI-Expanded)
- XXI. **ON CONGRUENCES INVOLVING THE GENERALIZED CATALAN NUMBERS AND HARMONIC NUMBERS**  
Koparal S., Ömür N.  
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, vol.56, pp.649-658, 2019 (SCI-Expanded)
- XXII. **Some Permanents of Hessenberg Matrices**  
KOPARAL S., Omur N., Sener C. D.  
FILOMAT, vol.33, no.2, pp.475-481, 2019 (SCI-Expanded)
- XXIII. **FORMULAE FOR TWO WEIGHTED BINOMIAL IDENTITIES WITH THE FALLING FACTORIALS**  
Kilic E., ÖMÜR N., KOPARAL S.  
ARS COMBINATORIA, vol.138, pp.223-231, 2018 (SCI-Expanded)
- XXIV. **SOME INTERESTING CONGRUENCES FOR BALLOT NUMBERS**  
ÖMÜR N., KOPARAL S.  
MISKOLC MATHEMATICAL NOTES, vol.19, no.2, pp.1079-1094, 2018 (SCI-Expanded)
- XXV. **On congruences related to central binomial coefficients, harmonic and Lucas numbers**  
KOPARAL S., ÖMÜR N.  
TURKISH JOURNAL OF MATHEMATICS, vol.40, no.5, pp.973-985, 2016 (SCI-Expanded)
- XXVI. **FORMULAS FOR BINOMIAL SUMS INCLUDING POWERS OF FIBONACCI AND LUCAS NUMBERS**  
Kilic E., Akkus I., Omur N., ULUTAS Y.  
UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, vol.77, no.4, pp.69-78, 2015 (SCI-Expanded)
- XXVII. **SOME CONGRUENCES INVOLVING NUMBERS  $B(p, k-d)$**   
ÖMÜR N., KOPARAL S.  
UTILITAS MATHEMATICA, vol.95, pp.307-317, 2014 (SCI-Expanded)
- XXVIII. **RIORDAN GROUP APPROACHES IN MATRIX FACTORIZATIONS**

- Kilic E., ÖMÜR N., TATAR G.  
BULLETIN OF THE IRANIAN MATHEMATICAL SOCIETY, vol.38, no.2, pp.491-506, 2012 (SCI-Expanded)
- XXIX. **GENERAL SOLUTION TO THE DECIMAL FRACTION OF GENERALIZED FIBONACCI SERIES**  
ÖMÜR N., ULUTAS Y. T.  
UTILITAS MATHEMATICA, vol.87, pp.191-197, 2012 (SCI-Expanded)
- XXX. **On Reciprocal Series of Generalized Fibonacci Numbers with Subscripts in Arithmetic Progression**  
Omur N.  
DISCRETE DYNAMICS IN NATURE AND SOCIETY, 2012 (SCI-Expanded)
- XXXI. **FORMULAS FOR WEIGHTED BINOMIAL SUMS USING THE POWERS OF TERMS OF BINARY RECURRENCES**  
Kilic E., ULUTAS Y. T., ÖMÜR N.  
MISKOLC MATHEMATICAL NOTES, vol.13, no.1, pp.53-65, 2012 (SCI-Expanded)
- XXXII. **SUMS OF PRODUCTS OF THE TERMS OF THE GENERALIZED LUCAS SEQUENCE  $\{V-kn\}$**   
Kilic E., ULUTAS Y., ÖMÜR N.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.40, no.2, pp.147-161, 2011 (SCI-Expanded)
- XXXIII. **BINOMIAL SUMS WHOSE COEFFICIENTS ARE PRODUCTS OF TERMS OF BINARY SEQUENCES**  
Kilic E., ÖMÜR N., ULUTAS Y.  
UTILITAS MATHEMATICA, vol.84, pp.45-52, 2011 (SCI-Expanded)
- XXXIV. **Some Finite Sums Involving Generalized Fibonacci and Lucas Numbers**  
Kilic E., ÖMÜR N., ULUTAS T.  
DISCRETE DYNAMICS IN NATURE AND SOCIETY, vol.2011, 2011 (SCI-Expanded)
- XXXV. **ALTERNATING SUMS OF THE POWERS OF FIBONACCI AND LUCAS NUMBERS**  
Kilic E., ÖMÜR N., ULUTAS Y.  
MISKOLC MATHEMATICAL NOTES, vol.12, no.1, pp.87-103, 2011 (SCI-Expanded)
- XXXVI. **CONICS CHARACTERIZING THE GENERALIZED FIBONACCI AND LUCAS SEQUENCES WITH INDICES IN ARITHMETIC PROGRESSIONS**  
Kilic E., ÖMÜR N.  
ARS COMBINATORIA, vol.94, pp.459-464, 2010 (SCI-Expanded)
- XXXVII. **FACTORIZATIONS OF THE PASCAL MATRIX VIA A GENERALIZED SECOND ORDER RECURRENT MATRIX**  
Kilic E., ÖMÜR N., TATAR G., ULUTAS Y.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.38, no.3, pp.305-316, 2009 (SCI-Expanded)
- XXXVIII. **MATRIX REPRESENTATION OF THE SECOND ORDER RECURRENCE  $\{u(kn)\}$**   
Kilic E., Oemuer N., Ulutas Y. T.  
ARS COMBINATORIA, vol.93, pp.181-190, 2009 (SCI-Expanded)
- XXXIX. **Parametrized fibonacci search method with k-Lucas numbers**  
DEMİR A., ÖMÜR N., ULUTAS Y. T.  
APPLIED MATHEMATICS AND COMPUTATION, vol.198, no.1, pp.355-360, 2008 (SCI-Expanded)
- XL. **Optimization by k-Lucas numbers**  
DEMİR A., ÖMÜR N., ULUTAS Y. T.  
APPLIED MATHEMATICS AND COMPUTATION, vol.197, no.1, pp.366-371, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **SOME SUMS VIA EULER'S TRANSFORM**  
ÖMÜR N., KOPARAL S., Elkhiri L.  
HONAM MATHEMATICAL JOURNAL, no.3, pp.365-377, 2024 (ESCI)
- II. **GENERALIZED DEGENERATE HARMONIC NUMBERS AND THEIR APPLICATIONS WITH RIORDAN ARRAYS**  
Duran Ö., ÖMÜR N., KOPARAL S.

Integers, vol.24, 2024 (Scopus)

- III. **BINOMIAL SUMS WITH HARMONIC AND FIBONACCI NUMBERS**  
Duran O., ÖMÜR N., KOPARAL S.  
JOURNAL OF SCIENCE AND ARTS, no.2, pp.389-398, 2024 (ESCI)
- IV. **Some Properties Involving The Generalized Harmonic Polynomials**  
ÖMÜR N., KOPARAL S., Duran O.  
APPLIED MATHEMATICS E-NOTES, vol.24, pp.97-104, 2024 (ESCI)
- V. **SOME IDENTITIES FOR GENERALIZED HARMONIC NUMBERS**  
KOPARAL S., ÖMÜR N., Südemem K.  
Matematički Vesnik, vol.76, no.4, pp.288-302, 2024 (ESCI)
- VI. **ON SUMS WITH THE  $r$ -DERANGEMENT NUMBERS**  
ÖMÜR N., Sudemen K., Koparal S., Duran O.  
JOURNAL OF SCIENCE AND ARTS, no.2, pp.469-480, 2023 (ESCI)
- VII. **On sums with generalized harmonic numbers via Euler's transform**  
ÖMÜR N., Koparal S., Elkhiri L.  
NOTES ON NUMBER THEORY AND DISCRETE MATHEMATICS, no.4, pp.695-704, 2023 (ESCI)
- VIII. **Applications of degenerate  $q$ -Euler and  $q$ -Changhee polynomials with weight  $\alpha$**   
Duran Ö., KOPARAL S., ÖMÜR N.  
Acta et Commentationes Universitatis Tartuensis de Mathematica, vol.26, no.2, pp.253-264, 2022 (ESCI)
- IX. **A  $Q$ -ANALOGUE OF GRANVILLE'S CONGRUENCE**  
Elkhiri L., ÖMÜR N., KOPARAL S.  
Integers, vol.22, 2022 (Scopus)
- X. **Diophantine Equations Related with Linear Binary Recurrences**  
KILIÇ E., AKKUŞ İ., ÖMÜR N.  
IRANIAN JOURNAL OF MATHEMATICAL SCIENCES AND INFORMATICS, vol.17, no.1, pp.11-26, 2022 (ESCI)
- XI. **Sums involving generalized harmonic and Daehee numbers**  
ÖMÜR N., Koparal S.  
NOTES ON NUMBER THEORY AND DISCRETE MATHEMATICS, vol.28, no.1, pp.92-99, 2022 (ESCI)
- XII. **Identities involving some special numbers and polynomials on  $p$ -adic integral**  
ÖMÜR N., Koparal S., Duran O., Sudemen K. N.  
NOTES ON NUMBER THEORY AND DISCRETE MATHEMATICS, vol.28, no.3, pp.564-574, 2022 (ESCI)
- XIII. **ON BINOMIAL SUMS WITH THE TERMS OF SEQUENCES  $\{g(kn)\}$  AND  $\{h(kn)\}$**   
KOPARAL S., ÖMÜR N., Colak C. D.  
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.36, no.1, pp.31-42, 2021 (ESCI)
- XIV. **On identities involving generalized harmonic, hyperharmonic and special numbers with Riordan arrays**  
KOPARAL S., ÖMÜR N., Duran O.  
SPECIAL MATRICES, vol.9, no.1, pp.22-30, 2021 (ESCI)
- XV. **On Binomial Sums and Alternating Binomial Sums of Generalized Fibonacci Numbers with Falling Factorials**  
KOPARAL S., ÖMÜR N.  
MATHEMATICAL SCIENCES AND APPLICATIONS E-NOTES, vol.8, no.2, pp.123-129, 2020 (Peer-Reviewed Journal)
- XVI. **ON BINOMIAL TRIPLE SUMS INVOLVING FIBONACCI AND LUCAS NUMBERS**  
ÖMÜR N., Duran O.  
HONAM MATHEMATICAL JOURNAL, vol.42, no.1, pp.49-62, 2020 (ESCI)
- XVII. **ON TRIANGLES WITH COORDINATES OF VERTICES FROM THE TERMS OF THE SEQUENCES  $\{U-kn\}$  AND  $\{V-kn\}$**   
ÖMÜR N., SOYDAN G., TÜRKER ULUTAŞ Y., Dogru Y.  
RAD HRVATSKE AKADEMIJE ZNANOSTI I UMJETNOSTI-MATEMATIČKE ZNANOSTI, vol.24, no.542, pp.15-27, 2020 (ESCI)
- XVIII. **On hyper-dual generalized Fibonacci numbers**

- ÖMÜR N., KOPARAL S.  
NOTES ON NUMBER THEORY AND DISCRETE MATHEMATICS, vol.26, no.1, pp.191-198, 2020 (ESCI)
- XIX. **Some congruences involving Catalan, Pell and Fibonacci numbers**  
KOPARAL S., ÖMÜR N.  
Mathematica Montisnigri, vol.48, pp.10-18, 2020 (Peer-Reviewed Journal)
- XX. **SOME CONGRUENCES INVOLVING CATALAN, PELL AND FIBONACCI NUMBERS**  
Koparal S., Omur N.  
MATHEMATICA MONTISNIGRI, vol.48, pp.10-18, 2020 (Peer-Reviewed Journal)
- XXI. **Some congruences for sums involving harmonic numbers**  
KOPARAL S., ÖMÜR N.  
Cumhuriyet Science Journal, vol.39, pp.912-919, 2018 (Peer-Reviewed Journal)
- XXII. **ON CONGRUENCES WITH THE TERMS OF THE SECOND ORDER SEQUENCES  $\{U_{kn}\}$  AND  $\{V_{kn}\}$**   
KOPARAL S., ÖMÜR N.  
HONAM MATHEMATICAL JOURNAL, vol.40, no.3, pp.549-559, 2018 (ESCI)
- XXIII. **On the matrices with the generalized hyperharmonic numbers of order  $r$**   
ÖMÜR N., KOPARAL S.  
ASIAN-EUROPEAN JOURNAL OF MATHEMATICS, vol.11, no.3, 2018 (ESCI)
- XXIV. **ON CERTAIN HESSENBERG MATRICES RELATED WITH LINEAR RECURRENCES**  
KOPARAL S., ÖMÜR N., COLAK C. D.  
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.33, no.2, pp.153-162, 2018 (ESCI)
- XXV. **Some sums related to the terms of generalized Fibonacci autocorrelation sequences  $\{a_{k,n}(t)\}$**   
ÖMÜR N., KOPARAL S.  
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, no.3, pp.307-313, 2017 (Peer-Reviewed Journal)
- XXVI. **ON ALTERNATING WEIGHTED BINOMIAL SUMS WITH FALLING FACTORIALS**  
Kilic E., ÖMÜR N., KOPARAL S.  
BULLETIN OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.9, no.1, pp.58-64, 2017 (ESCI)
- XXVII.  **$\{a_{k,n}(t)\}$  genelleştirilmiş Fibonacci otokorelasyon dizilerinin terimlerini içeren bazı bağıntılar**  
ÖMÜR N., KOPARAL S.  
SAÜ Fen Bilimleri Dergisi, vol.21, pp.307-313, 2017 (Peer-Reviewed Journal)
- XXVIII.  **$\{a_{k,n}(t)\}$  genelleştirilmiş Fibonacci otokorelasyon dizilerinin terimlerini içeren bazı bağıntılar**  
ÖMÜR N., KOPARAL S.  
SAÜ Fen Bilimleri Dergisi, vol.21, pp.307-313, 2017 (Peer-Reviewed Journal)
- XXIX. **On identities for sequences of binomial sums with the terms of sequences  $\{u(kn)\}$  and  $\{v(kn)\}$**   
ÖMÜR N., ŞENER C. D.  
EUROPEAN JOURNAL OF PURE AND APPLIED MATHEMATICS, vol.10, no.3, pp.506-515, 2017 (ESCI)
- XXX. **On some congruences with the terms of second order sequence and harmonic numbers**  
ÖMÜR N., KOPARAL S.  
Karaelmas Fen ve Mühendislik Dergisi, vol.7, pp.586-589, 2017 (Peer-Reviewed Journal)
- XXXI. **GENERALIZED BINOMIAL CONVOLUTION OF THE  $m$ th POWERS OF THE CONSECUTIVE INTEGERS WITH THE GENERAL FIBONACCI SEQUENCE**  
Kilic E., Akkus I., ÖMÜR N., Ulutas Y.  
DEMONSTRATIO MATHEMATICA, vol.49, no.4, pp.379-385, 2016 (ESCI)
- XXXII. **Two Variants of the Reciprocal Super Catalan Matrix**  
Kilic E., ÖMÜR N., KOPARAL S., Ulutas Y.  
KYUNGPOOK MATHEMATICAL JOURNAL, vol.56, no.2, pp.409-418, 2016 (ESCI)
- XXXIII. **Generalized Binomial Convolution of the  $m$ -th Powers of the Consecutive Integers with the General Fibonacci Sequences**  
KILIÇ E., AKKUŞ İ., ÖMÜR N., TÜRKER ULUTAŞ Y.  
Demonstratio Mathematica, vol.49, no.4, pp.379-385, 2016 (Scopus)
- XXXIV. **Families of Primitive Pythagorean Triples Involving Terms of Generalized Fibonacci and Lucas Sequences**

- ÖMÜR N., SENER C. D., KOPARAL S.  
 JOURNAL OF MATHEMATICAL EXTENSION, vol.10, no.4, pp.45-59, 2016 (ESCI)
- XXXV. **On congruences with the terms of second order sequence  $Q_n$**   
 ÖMÜR N., KOPARAL S.  
 Journal of Algebra, Number Theory:Advances and Applications, vol.15, pp.15-39, 2016 (Peer-Reviewed Journal)
- XXXVI. **Some congruences related to harmonic numbers and the terms of the second order sequences**  
 ÖMÜR N., KOPARAL S.  
 Mathematica Moravica, vol.20, pp.23-37, 2016 (Peer-Reviewed Journal)
- XXXVII. **A curious matrix-sum identity and certain finite sums identities**  
 Kiliç E., Akkus I., ÖMÜR N., ULUTAS Y.  
 ASIAN-EUROPEAN JOURNAL OF MATHEMATICS, vol.8, no.3, 2015 (ESCI)
- XXXVIII. **Various sums including the generalized Fibonacci and Lucas numbers**  
 KILIÇ E., ÖMÜR N., AKKUŞ İ., TÜRKER ULUTAŞ Y.  
 Palestine Journal of Mathematics, vol.4, pp.319-326, 2015 (Scopus)
- XXXIX. **A new perspective to the sequences of t order**  
 ÖMÜR N., KOPARAL S., ŞENER C. D.  
 International Journal of Computer Applications, vol.86, pp.29-33, 2014 (Peer-Reviewed Journal)
- XL. **Some weighted sums of products of Lucas sequences**  
 KILIÇ E., ÖMÜR N.  
 Integers, 2013 (Scopus)
- XL1. **A formula for the generating functions of powers of Horadam'xxs sequence with additional 2 parameters**  
 KILIÇ E., TÜRKER ULUTAŞ Y., ÖMÜR N.  
 JOURNAL OF INTEGER SEQUENCES, vol.14, pp.1-8, 2011 (Scopus)
- XLII. **A formula for the Generating Functions of Powers of Horadam'xxs Sequences with Additional 2 Parameters**  
 KILIÇ E., TÜRKER ULUTAŞ Y., ÖMÜR N.  
 Journal of Integer Sequences, vol.14, pp.1-8, 2011 (Scopus)
- XLIII. **New Identities for  $F_{2n}$  and  $F_{2n-1}$**   
 TÜRKER ULUTAŞ Y., ÖMÜR N.  
 International Mathematical Forum, vol.3, pp.147-149, 2008 (Peer-Reviewed Journal)
- XLIV. **An interesting table related to Fibonacci numbers**  
 ÖMÜR N., TÜRKER ULUTAŞ Y.  
 Note di matematica, vol.27, pp.285-288, 2007 (Scopus)
- XLV. **An interesting table contained binomial coefficients**  
 TÜRKER ULUTAŞ Y., ÖMÜR N.  
 International Journal of Contemporary Mathematical Sciences, vol.1, 2006 (Peer-Reviewed Journal)
- XLVI. **The applications of Desergues theorem in triangle geometry**  
 ÖMÜR N., BİLİR S.  
 Hadronic Journal, vol.29, pp.429-436, 2006 (Peer-Reviewed Journal)
- XLVII. **An Interesting Table Contained Binomial Coefficients**  
 TÜRKER ULUTAŞ Y., ÖMÜR N.  
 International Journal of Contemporary Mathematical Sciences, vol.1, no.6, pp.285-288, 2006 (Peer-Reviewed Journal)
- XLVIII. **wo operations in triangle plane**  
 ÖMÜR N., BİLİR S.  
 Algebras, Groups and Geometries, vol.22, 2005 (Peer-Reviewed Journal)

## Books

**I. Lineer Cebir ve Çözümlü Uygulamaları**

ÖMÜR N., TÜRKER ULUTAŞ Y.

Umuttepe Yayınları, Kocaeli, 2019

**II. Lineer Cebir ve Çözümlü Problemler**

ÖMÜR N., TÜRKER ULUTAŞ Y.

Umuttepe Yayınları, Kocaeli, 2015

**Papers Published in Refereed Scientific Meetings**

**I. Congruences related to Harmonik, Balancing and Lucas-Balancing numbers II**

KOPARAL S., ÖMÜR N.

2. Uluslararası Gap Matematik-Mühendislik-Fen ve Sağlık Bilimleri Kongresi, Adıyaman, Turkey, 21 - 23 June 2019

**II. Congruences related to harmonic, balancing and Lucas-balancing numbers I**

KOPARAL S., ÖMÜR N.

2. Uluslararası GAP Matematik - Mühendislik - Fen ve Sağlık Bilimleri, Adıyaman, Turkey, 21 - 23 June 2019

**III. Congruences related to harmonic, balancing and Lucas-balancing numbers II**

KOPARAL S., ÖMÜR N.

2. Uluslararası GAP Matematik - Mühendislik - Fen ve Sağlık Bilimleri, Adıyaman, Turkey, 21 - 23 June 2019

**IV. Congruences related to Harmonik, Balancing and Lucas-Balancing numbers I**

KOPARAL S., ÖMÜR N.

2. Uluslararası Gap Matematik-Mühendislik-Fen ve Sağlık Bilimleri Kongresi, Adıyaman, Turkey, 21 - 23 June 2019

**V. On matrices with  $q$  – analog of the generalized hyperharmonic numbers of order  $r$**

ÖMÜR N., KOPARAL S., ÇOLAK D.

International Eurasian Conference on Science, Engineering and Technology, 22 - 23 November 2018

**VI. On congruences with  $q$  - binomial coefficients**

KOPARAL S., ÖMÜR N.

International Eurasian Conference on Science, Engineering and Technology, 22 - 23 November 2018

**VII. On matrices with  $q$  – analog of the generalized hyperharmonic numbers  $H_{nr}(a)$  of order  $r$**

ÖMÜR N., KOPARAL S., ÇOLAK C. D.

International Eurasian Conference on Science, Engineering and Technology, 22 - 23 November 2018

**VIII. Some congruences for sums involving Catalan numbers**

KOPARAL S., ÖMÜR N.

ULUSLARARASI HAKEMLİ GAP ZİRVESİ 1. Uluslararası GAP Matematik -Mühendislik - Fen ve Sağlık Bilimleri, 4 - 07 October 2018, pp.420-426

**IX. Some applications for special sequence involving binomial sums**

ÖMÜR N., KOPARAL S.

ULUSLARARASI HAKEMLİ GAP ZİRVESİ 1. Uluslararası GAP Matematik -Mühendislik - Fen ve Sağlık Bilimleri, 4 - 07 October 2018, pp.412-419

**X. Some congruences for Bollat numbers**

KOPARAL S., ÖMÜR N.

BMS Mathematical Conference, 12 - 14 July 2018

**XI. Some congruences for Ballot numbers**

KOPARAL S., ÖMÜR N.

BMS Mathematical Conference, 12 - 14 July 2018

**XII. On hyper-dual generalized Fibonacci numbers**

ÖMÜR N., KOPARAL S.

BMS Mathematical Conference, 12 - 14 July 2018

**XIII. On congruences for sums involving harmonic numbers**

KOPARAL S., ÖMÜR N.

1st International Conference on Mathematical and Related Science, 30 April - 04 May 2018

- XIV. **On alternating weighted binomial sums with falling factorials**  
KOPARAL S., KILIÇ E., ÖMÜR N.  
1st International Conference on Mathematical and Related Science, 30 April - 04 May 2018
- XV. **On identities for sequences of binomial sums with terms of sequences  $\{g_{kn}\}$  and  $\{h_{kn}\}$**   
ÖMÜR N., KOPARAL S., ÇOLAK D. C.  
4th International Conference on Pure and Applied Sciences: Renewable Energies, İstanbul, Turkey, 23 - 25 November 2017
- XVI. **On Congruences with the terms of second order sequences  $\{U_{kn}\}$  and  $\{V_{kn}\}$**   
KOPARAL S., ÖMÜR N.  
4th International Conference on Pure and Applied Sciences: Renewable Energies, İstanbul, Turkey, 23 - 25 November 2017
- XVII. **On identities for binomial sums with terms of sequences  $\{g_{kn}\}$  and  $\{h_{kn}\}$**   
ÖMÜR N., KOPARAL S., ÇOLAK C. D.  
The 4th International Conference on Pure and Applied Sciences, İstanbul, Turkey, 23 - 25 November 2017
- XVIII. **On Congruences with Terms of The Second Order Sequences and**  
KOPARAL S., ÖMÜR N.  
The 4th International Conference on Pure and Applied Sciences, İstanbul, Turkey, 23 - 25 November 2017
- XIX. **New generalizations of the Filbert and Lilbert matrices**  
ÖMÜR N., KILIÇ E., KOPARAL S.  
Caucasian Mathematics Conference II, Van, Turkey, 22 - 24 August 2017
- XX. **Two asymmetric generalizations of the Filbert matrix**  
KOPARAL S., KILIÇ E., ÖMÜR N.  
Caucasian Mathematics Conferences CMC II, Van, Turkey, 22 - 24 August 2017
- XXI. **New Generalization of the Filbert and Lilbert matrices**  
ÖMÜR N., KILIÇ E., KOPARAL S.  
Caucasian Mathematics Conferences CMC II, Van, Turkey, 22 August 2017
- XXII. **Formulae for two weighted binomial identities with the falling factorials**  
KOPARAL S., ÖMÜR N., KILIÇ E.  
6th International Eurasian Conference on Mathematical Sciences and Applications, Budapest, Hungary, 15 - 18 August 2017
- XXIII. **On certain type of band matrices with the generalized Fibonacci numbers**  
ÖMÜR N., ÇOLAK C. D.  
6th International Eurasian Conference an Mathematical Sciences and Applications IECMSA, Budapest, Hungary, 15 - 18 August 2017
- XXIV. **Formula for two weighted binomial identities with the falling factorials**  
KOPARAL S., ÖMÜR N., KILIÇ E.  
6th International Eurasian Conference an Mathematical Sciences and Applications IECMSA, Budapest, Hungary, 15 - 18 August 2017
- XXV. **Some permanents of Hessenberg matrices**  
KOPARAL S., ÖMÜR N.  
4th International Conference on Recent Advances in Pure and Applied Mathematics, İzmir, Turkey, 11 - 15 May 2017
- XXVI. **On identities for sequences of some binomial sums**  
ŞENER C. D., ÖMÜR N.  
International Conference an Mathematics and Engineering ICOME, İstanbul, Turkey, 10 - 12 May 2017
- XXVII. **Some applications to generalized hyperharmonic numbers of order  $r$  and matrices**  
BİLGİN G., ÖMÜR N.  
International Conference an Mathematics and Engineering ICOME, İstanbul, Turkey, 10 - 12 May 2017
- XXVIII. **On congruences involving special numbers**  
KOPARAL S., ÖMÜR N.  
International Conference an Mathematics and Engineering, İstanbul, Turkey, 10 - 12 May 2017



- XXIX. **On the matrices with the generalized hyperharmonic numbers of order  $r$**   
 ÖMÜR N.  
 The 12th International Conference on Approximation Theory and its Applications, 26 - 29 May 2016
- XXX. **On some congruences**  
 KOPARAL S., ÖMÜR N.  
 International Conference on Recent Advances in Pure and Applied Mathematics, Muğla, Turkey, 19 - 23 May 2016
- XXXI. **On congruences with the terms of second order sequence and Harmonic numbers**  
 KOPARAL S., ÖMÜR N.  
 4th International Eurasian Conference on Mathematical Sciences and Applications(IECMSA-2015), 31 August - 03 September 2015
- XXXII. **On congruences with the terms of second order sequence and harmonic numbers**  
 KOPARAL S., ÖMÜR N.  
 4th International Eurasian Conference on Mathematical Sciences and Applications(IECMSA-2015), 31 August - 03 September 2015
- XXXIII. **On congruences with the terms of the sequences  $U_{kn}$  and  $V_{kn}$**   
 ÖMÜR N., KOPARAL S.  
 Lebanese International Conference on Mathematics and Applications, Beirut, 26 - 29 May 2015
- XXXIV. **On congruences related to central binomial coefficients Harmonic and Lucas numbers**  
 KOPARAL S., ÖMÜR N.  
 Lebanese International Conference on Mathematics and Applications, Beirut, 26 - 29 May 2015
- XXXV. **On congruences with the terms of the sequences  $\{U_{kn}\}$  and  $\{V_{kn}\}$**   
 ÖMÜR N., KOPARAL S.  
 Lebanese International Conference on Mathematics and Applications, 26 - 29 May 2015
- XXXVI. **Congruences on harmonic numbers and second order sequences**  
 ÖMÜR N., KOPARAL S.  
 International Conference on Algebra and Number Theory, 5 - 08 August 2014
- XXXVII. **Applications of generalized Fibonacci autocorrelation**  
 ÖMÜR N., KOPARAL S.  
 International Congress In Honour Of Professor Ravi P. Agarwa, 23 - 25 July 2014
- XXXVIII. **Applications of generalized Fibonacci autocorrelation sequences  $\{\Gamma_{k,n}(\tau)\}_{\tau}^{\infty}$**   
 ÖMÜR N., KOPARAL S.  
 International Congress In Honour Of Professor Ravi P. Agarwal, 23 - 26 June 2014
- XXXIX.  **$B_p$   $k$  d sayılarını içeren bazı kongrüanslar**  
 KOPARAL S., ÖMÜR N.  
 XXVI. Ulusal Matematik Sempozyumu, Diyarbakır, Turkey, 4 - 07 September 2013
- XL. **Genelleştirilmiş Fibonacci ve Lucas dizilerinin terimlerini içeren ilkel Pisagor üçlüleri**  
 ŞENER C. D., ÖMÜR N.  
 XXVI. Ulusal Matematik Sempozyumu, Diyarbakır, Turkey, 4 - 07 September 2013
- XLI.  **$C_n a b p q r$  genelleştirilmiş dizisinin bazı özellikleri**  
 TÜRKER ULUTAŞ Y., ÖMÜR N.  
 XXVI. Ulusal Matematik Sempozyumu, Diyarbakır, Turkey, 4 - 07 September 2013
- XLII.  **$B_{p,k}^d$  sayılarını içeren bazı kongrüanslar**  
 KOPARAL S., ÖMÜR N.  
 XXVI. Ulusal Matematik Sempozyumu, Turkey, 4 - 07 September 2013
- XLIII. **Finite sums involving generalized Fibonacci and Lucas numbers**  
 KILIÇ E., ÖMÜR N., TÜRKER ULUTAŞ Y.  
 International Conference on Discrete Mathematics and Computer Science, Mohammedia, Morocco, 4 - 19 July 2011
- XLIV. **Generalized binary recurrent Quasi Cycles matrices**  
 KILIÇ E., TÜRKER ULUTAŞ Y., ÖMÜR N.  
 International Conference on Discrete Mathematics and Computer Science, Morocco, 5 - 07 July 2011
- XLV.  **$V_{kn}$  genelleştirilmiş Luccas dizisinin terimlerinin çarpımlarının toplamları**

KILIÇ E., TÜRKER ULUTAŞ Y., ÖMÜR N.

5. Ankara Matematik Günleri, TOBB Ekonomi ve Teknoloji Üniv., Ankara, , , (2010)Tez:, Ankara, Turkey, 3 - 05 June 2010

**XLVI. The  $p$   $q$  Fibonacci hyperbolic functions and their properties**

GÜLFER T., ÖMÜR N., TÜRKER ULUTAŞ Y.

The 13th International Conference on Fibonacci Numbers and Their Applications, Patras, Greece, 7 - 11 July 2008

**XLVII. On Fibonacci  $k$  vectors and their applications**

ÖMÜR N., TÜRKER ULUTAŞ Y.

The 13th International Conference on Fibonacci Numbers and Their Applications, Patras, Greece, 7 - 11 July 2008

**XLVIII. İç İçe Girmiş Dörtgenler İçin Kelebek Teoremi**

GÜLFER T., ÖMÜR N.

V.Ulusal Geometri Sempozyumu, Sakarya, Turkey, 4 - 07 July 2007

**XLIX. Üçgen Düzleminde İsoğonal Eşlenik Noktalar**

ÖMÜR N., SERVETTİN B.

III. Geometri Sempozyumu, Eskişehir, Turkey, 4 - 06 July 2005

**L. Fibonacci Sayıları ve Bazı Matrisler Arasındaki İlişkiler**

TÜRKER ULUTAŞ Y., ÖMÜR N.

XVII. Ulusal Matematik Sempozyumu, Bolu, Turkey, 23 - 25 August 2004

**LI. Altın Oranın Çeşitli Yapıları**

ÖMÜR N., TÜRKER ULUTAŞ Y.

II. Geometri Sempozyumu, Sakarya, Turkey, 30 June - 03 July 2004

**LII. Üçgenlerin Matris Gösterimi ve Bazı Bağlılıklar**

SERVETTİN B., ÖMÜR N.

XIV. Ulusal Matematik Sempozyumu, Eskişehir, Turkey, 19 - 22 September 2001

**LIII. Bir Üçgen ile Buna Bağlı Çemberlerin Oluşturduğu Üçgenler Arasındaki Bağlılıklar**

ÖMÜR N., SERVETTİN B.

Balıkesir Üniversitesi Matematik Sempozyumu, Sarımsaklı, Turkey, 5 - 07 June 1997

## Metrics

Publication: 146

Citation (WoS): 149

Citation (Scopus): 111

H-Index (WoS): 6

H-Index (Scopus): 5

## Non Academic Experience

Kocaeli Üniversitesi, Yardımcı Doçent Doktor

Kocaeli Üniversitesi, Araştırma görevlisi