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Education Information

Doctorate, Kocaeli University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2011 - 2018

Postgraduate, Uludağ Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2009 - 2011

Undergraduate, Uludağ Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2005 - 2009

Research Areas

Natural Sciences

Academic Titles / Tasks

Research Assistant PhD, Kocaeli University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2011 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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)
- II. **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)
- III. **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)
- IV. **Nonlinear variants of the generalized Filbert and Lilbert matrices**
Kılıç E., Koparal S., Ömür N.
Turkish Journal Of Mathematics, vol.44, pp.622-642, 2020 (SCI-Expanded)
- V. **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)
- VI. **On congruences involving special numbers**
Koparal S., Ömür N.

- JOURNAL OF THE RAMANUJAN MATHEMATICAL SOCIETY, vol.34, pp.151-167, 2019 (SCI-Expanded)
- VII. **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)
- VIII. **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)
- IX. **Some Permanents of Hessenberg Matrices**
 KOPARAL S., Omur N., Sener C. D.
 FILOMAT, vol.33, no.2, pp.475-481, 2019 (SCI-Expanded)
- X. **On congruences for q-analogues of ballot numbers**
 Koparal S.
 TURKISH JOURNAL OF MATHEMATICS, vol.43, pp.2642-2648, 2019 (SCI-Expanded)
- XI. **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)
- XII. **SOME INTERESTING CONGRUENCES FOR BALLOT NUMBERS**
 ÖMÜR N., KOPARAL S.
 MISKOLC MATHEMATICAL NOTES, vol.19, no.2, pp.1079-1094, 2018 (SCI-Expanded)
- XIII. **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)
- XIV. **SOME CONGRUENCES INVOLVING NUMBERS B (p,k-d)**
 ÖMÜR N., KOPARAL S.
 UTILITAS MATHEMATICA, vol.95, pp.307-317, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **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)
- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **Some congruences involving Catalan, Pell and Fibonacci numbers**
 KOPARAL S., ÖMÜR N.

Mathematica Montisnigri, vol.48, pp.10-18, 2020 (Peer-Reviewed Journal)

- VIII. **Some congruences for sums involving harmonic numbers**
KOPARAL S., ÖMÜR N.
Cumhuriyet Science Journal, vol.39, pp.912-919, 2018 (Peer-Reviewed Journal)
- IX. **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)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)

Refereed Congress / Symposium Publications in Proceedings

- I. **On q -congruences involving q -generalized Catalan numbers**
Gür Z. B., ÖMÜR N., KOPARAL S.
5th International Gap Mathematics-Engineering-Science and HealthSciences Congress, Şanlıurfa, Turkey, 4 - 06 December 2020
- II. **On Umbral methods and generalized harmonic numbers $H_{(n)}(a)$**
Duran Ö., KOPARAL S., ÖMÜR N.
International Marmara Sciences Congress (Autumn) 2019, Kocaeli, Turkey, 1 - 03 November 2019, pp.1077-1082
- III. **On generalized hyperharmonic numbers of order r , $H_{\{n\}\{r\}}(a)$ with Riordan Arrays**
Duran Ö., ÖMÜR N., KOPARAL S.

International Marmara Sciences Congress (Autumn) 2019, Kocaeli, Turkey, 1 - 03 November 2019, pp.1065-1070

- IV. **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
- V. **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
- 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. **On hyper-dual generalized Fibonacci numbers**
ÖMÜR N., KOPARAL S.
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 congruences for sums involving harmonic numbers**
KOPARAL S., ÖMÜR N.
1st International Conference on Mathematical and Related Science, 30 April - 04 May 2018
- XIII. **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
- XIV. **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
- 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. **New generalizations of the Filbert and Lilbert matrices**
ÖMÜR N., KILIÇ E., KOPARAL S.
Caucasian Mathematics Conference II, Van, Turkey, 22 - 24 August 2017
- XVII. **Two asymmetric generalizations of the Filbert matrix**
KOPARAL S., KILIÇ E., ÖMÜR N.
Caucasian Mathematics Conferences CMC II, Van, Turkey, 22 - 24 August 2017
- XVIII. **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

- XIX. 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
- XX. On congruences involving special numbers**
KOPARAL S., ÖMÜR N.
International Conference on Mathematics and Engineering, İstanbul, Turkey, 10 - 12 May 2017
- XXI. Some congruences with balancing and Lucas balancing numbers**
KOPARAL S.
The 12th International Conference on Approximation Theory and its Applications, Sibiu, Romania, 26 - 29 May 2016
- XXII. On some congruences**
KOPARAL S., ÖMÜR N.
International Conference on Recent Advances in Pure and Applied Mathematics, Muğla, Turkey, 19 - 23 May 2016
- XXIII. 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
- XXIV. 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
- XXV. 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
- XXVI. Congruences on harmonic numbers and second order sequences**
ÖMÜR N., KOPARAL S.
International Conference on Algebra and Number Theory, 5 - 08 August 2014
- XXVII. 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
- XXVIII. $B_{p,k}^d$ sayılarını içeren bazı kongrüanslar**
KOPARAL S., ÖMÜR N.
XXVI. Ulusal Matematik Sempozyumu, Turkey, 4 - 07 September 2013

Metrics

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