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Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Turkey 2011 - 2018

Postgraduate, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Matematik, Turkey 2009 - 2011

Undergraduate, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Matematik, Turkey 2005 - 2009

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Mathematics

Academic Titles / Tasks

Assistant Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Matematik, 2021 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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 (Journal Indexed in SCI)
- II. **On Congruences with Binomial Coefficients and Harmonic Numbers**
KOPARAL S., Elkhiri L., ÖMÜR N.
FILOMAT, vol.36, no.3, pp.951-960, 2022 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **Powers Sums of the First and Second Kinds of Chebyshev Polynomials**
Kilic E., KOPARAL S., ÖMÜR N.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.44, no.2, pp.425-435, 2020
(Journal Indexed in SCI)

- VI. **ON SUMS WITH GENERALIZED HARMONIC, HYPERHARMONIC AND SPECIAL NUMBERS**
 Duran O., ÖMÜR N., KOPARAL S.
 MISKOLC MATHEMATICAL NOTES, vol.21, no.2, pp.791-803, 2020 (Journal Indexed in SCI)
- VII. **Nonlinear variants of the generalized Filbert and Lilbert matrices**
 Kilic E., KOPARAL S., ÖMÜR N.
 TURKISH JOURNAL OF MATHEMATICS, vol.44, no.3, pp.622-642, 2020 (Journal Indexed in SCI)
- VIII. **Some applications on q-analog of the generalized hyperharmonic numbers of order r, H-n(r) (alpha)**
 KOPARAL S., ÖMÜR N., Colak C. D.
 HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.49, no.6, pp.2094-2103, 2020 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)
- X. **New asymmetric generalizations of the Filbert and Lilbert matrices**
 Kilic E., KOPARAL S., ÖMÜR N.
 PERIODICA MATHEMATICA HUNGARICA, vol.78, no.2, pp.231-241, 2019 (Journal Indexed in SCI)
- XI. **On congruences involving special numbers**
 KOPARAL S., ÖMÜR N.
 JOURNAL OF THE RAMANUJAN MATHEMATICAL SOCIETY, vol.34, no.2, pp.151-167, 2019 (Journal Indexed in SCI)
- XII. **ON CONGRUENCES INVOLVING THE GENERALIZED CATALAN NUMBERS AND HARMONIC NUMBERS**
 KOPARAL S., ÖMÜR N.
 BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, vol.56, no.3, pp.649-658, 2019 (Journal Indexed in SCI)
- XIII. **On congruences for q-analogues of ballot numbers**
 KOPARAL S.
 TURKISH JOURNAL OF MATHEMATICS, vol.43, no.5, pp.2642-2648, 2019 (Journal Indexed in SCI)
- XIV. **Some Permanents of Hessenberg Matrices**
 KOPARAL S., Omur N., Sener C. D.
 FILOMAT, vol.33, no.2, pp.475-481, 2019 (Journal Indexed in SCI)
- XV. **FORMULAE FOR TWO WEIGHTED BINOMIAL IDENTITIES WITH THE FALLING FACTORIALS**
 Kilic E., ÖMÜR N., KOPARAL S.
 ARS COMBINATORIA, vol.138, pp.223-231, 2018 (Journal Indexed in SCI)
- XVI. **SOME INTERESTING CONGRUENCES FOR BALLOT NUMBERS**
 ÖMÜR N., KOPARAL S.
 MISKOLC MATHEMATICAL NOTES, vol.19, no.2, pp.1079-1094, 2018 (Journal Indexed in SCI)
- XVII. **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 (Journal Indexed in SCI)
- XVIII. **SOME CONGRUENCES INVOLVING NUMBERS B (p,k-d)**
 ÖMÜR N., KOPARAL S.
 UTILITAS MATHEMATICA, vol.95, pp.307-317, 2014 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **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 (Journal Indexed in ESCI)
- II. **On binomial sums with the terms of sequences $\{g_{kn}\}$ and $\{h_{kn}\}$**
 KOPARAL S., ÖMÜR N., Çolak C. D.
 Facta Universitatis Series: Mathematics and Informatics, vol.36, no.1, pp.31-42, 2021 (Journal Indexed in ESCI)

- III. **On identities involving generalized harmonic, hyperharmonic and special numbers with Riordan arrays**
KOPARAL S., ÖMÜR N., Duran Ö.
Special Matrices, vol.9, pp.22-30, 2021 (Journal Indexed in ESCI)
- IV. **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 (Refereed Journals of Other Institutions)
- V. **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 (Journal Indexed in ESCI)
- VI. **Some congruences involving Catalan, Pell and Fibonacci numbers**
KOPARAL S., ÖMÜR N.
Mathematica Montisnigri, vol.48, pp.10-18, 2020 (Journal Indexed in ESCI)
- VII. **Some congruences for sums involving harmonic numbers**
KOPARAL S., ÖMÜR N.
Cumhuriyet Science Journal, vol.39, no.4, pp.912-919, 2018 (Other Refereed National Journals)
- VIII. **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 (Journal Indexed in ESCI)
- IX. **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 (Journal Indexed in ESCI)
- X. **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 (Journal Indexed in ESCI)
- XI. **On some congruences with the terms of second order sequence and harmonic numbers**
ÖMÜR N., KOPARAL S.
Karaelmas Fen ve Mühendislik Dergisi, vol.7, no.2, pp.586-589, 2017 (Other Refereed National Journals)
- 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 (Other Refereed National Journals)
- 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 (Journal Indexed in ESCI)
- XIV. **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, no.1, pp.15-39, 2016 (Refereed Journals of Other Institutions)
- XV. **Two variants of the reciprocal Super Catalan matrix**
KILIÇ E., ÖMÜR N., KOPARAL S., TÜRKER ULUTAŞ Y.
Kyungpook Mathematical Journal, vol.56, pp.409-418, 2016 (Journal Indexed in ESCI)
- XVI. **Some congruences related to harmonic numbers and the terms of the second order sequences**
ÖMÜR N., KOPARAL S.
Mathematica Moravica, vol.20, no.2, pp.23-37, 2016 (Refereed Journals of Other Institutions)
- XVII. **Families of primitive Pythagorean triples involving terms of generalized Fibonacci and Lucas sequences**

ÖMÜR N., ŞENER C. D., KOPARAL S.

Journal of Mathematical Extension, vol.10, no.4, pp.45-59, 2016 (Journal Indexed in ESCI)

XVIII. **A new perspective to the sequences of t order**

ÖMÜR N., KOPARAL S., ŞENER C. D.

International Journal of Computer Applications, vol.86, no.6, pp.29-33, 2014 (Refereed Journals of Other Institutions)

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 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
- III. **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
- IV. **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
- V. **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
- VI. **On matrices with q – analog of the generalized hyperharmonic numbers of order r, $H_{n\{r\}}$ (a)**
Çolak C. D., ÖMÜR N., KOPARAL S.
International Eurasian Conference on Science, Engineering and Technology, 22 - 23 November 2018
- VII. **On congruences with q - binomial coefficients**
KOPARAL S., ÖMÜR N.
International Eurasian Conference on Science, Engineering and Technology, 22 - 23 November 2018
- VIII. **Some congruences for sums involving Catalan numbers**
KOPARAL S., ÖMÜR N.
1. Uluslararası GAP Matematik -Mühendislik - Fen ve Sağlık Bilimleri Kongresi, Şanlıurfa, Turkey, 4 - 07 October 2018, pp.420-426
- IX. **Some applications for special sequence involving binomial sums**
ÖMÜR N., KOPARAL S.
1. Uluslararası GAP Matematik -Mühendislik - Fen ve Sağlık Bilimleri Kongresi, Şanlıurfa, Turkey, 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 alternating weighted binomial sums with falling factorials**
KOPARAL S., KILIÇ E., ÖMÜR N.
1st International Conference on Mathematical and Related Sciences, 30 April - 04 May 2018
- XIII. **On congruences for sums involving harmonic numbers**
KOPARAL S., ÖMÜR N.

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

- XIV. **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 Energy, İstanbul, Turkey, 23 - 25 November 2017
- XV. **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
- XVI. **New generalizations of the Filbert and Libert 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., Çolak C. D.
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.
3rd 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, 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**
KOPARAL S., ÖMÜR N.
International Conference on Algebra and Number Theory, 5 - 08 August 2014
- XXVII. **Applications of generalized Fibonacci autocorrelation sequences $\{\Gamma_{k,n}(t)\}_{t \in \mathbb{N}}$**
KOPARAL S., ÖMÜR N.
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

Citations

Total Citations (WOS):17

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