

Res. Asst. TALHA ARIKAN

Personal Information

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Education Information

Doctorate, Hacettepe University, Fen Bilimleri Estitüsü, Matematik, Turkey 2013 - Continues

Postgraduate, Tobb University Of Economics And Technology, Fen Bilimleri Estitüsü, Matematik, Turkey 2011 - 2013

Undergraduate Double Major, Tobb University Of Economics And Technology, İktisadi İdari Bilimler Fakültesi, İktisat, Turkey 2007 - 2011

Undergraduate, Tobb University Of Economics And Technology, Fen Edebiyat Fakültesi, Matematik, Turkey 2005 - 2011

Dissertations

Postgraduate, Yüksek mertebeden lineer indirgeme dizilerinin terimlerinin ters toplamları, Tobb Ekonomi Ve Teknoloji Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2013

Research Areas

Mathematics, Linear and Multilinear Algebra: Matrix Theory, Combinatorics, Number Theory, Natural Sciences

Academic Titles / Tasks

Research Assistant, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An asymptotically optimal construction of almost affinely disjoint subspaces**
Otal K., ARIKAN T.
FINITE FIELDS AND THEIR APPLICATIONS, vol.84, 2022 (SCI-Expanded)
- II. **Evaluation of sums of products of Gaussian q-binomial coefficients with rational weight functions**
ARIKAN T., KILIÇ E., Prodinger H.
TURKISH JOURNAL OF MATHEMATICS, vol.44, no.1, pp.307-318, 2020 (SCI-Expanded)
- III. **Evaluation of some reciprocal trigonometric sums via partial fraction decomposition**
ARIKAN T., Prodinger H.
KUWAIT JOURNAL OF SCIENCE, vol.47, no.1, pp.14-21, 2020 (SCI-Expanded)
- IV. **A NONSYMMETRICAL MATRIX AND ITS FACTORIZATIONS**
ARIKAN T., KILIÇ E., Prodinger H.
MATHEMATICA SLOVACA, vol.69, no.4, pp.753-762, 2019 (SCI-Expanded)
- V. **Studying new generalizations of Max-Min matrices with a novel approach**
KILIÇ E., ARIKAN T.

- TURKISH JOURNAL OF MATHEMATICS, vol.43, no.4, pp.2010-2024, 2019 (SCI-Expanded)
- VI. **A nonlinear generalization of the Filbert matrix and its Lucas analogue**
KILIÇ E., ARIKAN T.
LINEAR & MULTILINEAR ALGEBRA, vol.67, no.1, pp.141-157, 2019 (SCI-Expanded)
- VII. **Double Binomial Sums and Double Sums Related with Certain Linear Recurrences of Various Order**
KILIÇ E., ARIKAN T.
CHIANG MAI JOURNAL OF SCIENCE, vol.45, no.3, pp.1569-1577, 2018 (SCI-Expanded)
- VIII. **A CLASS OF NON-SYMMETRIC BAND DETERMINANTS WITH THE GAUSSIAN q -BINOMIAL COEFFICIENTS**
ARIKAN T., KILIÇ E.
QUAESTIONES MATHEMATICAE, vol.40, no.5, pp.645-660, 2017 (SCI-Expanded)
- IX. **Evaluation of Hessenberg Determinants via Generating Function Approach**
KILIÇ E., ARIKAN T.
FILOMAT, vol.31, no.15, pp.4945-4962, 2017 (SCI-Expanded)
- X. **Evaluation of spectrum of 2-periodic tridiagonal-Sylvester matrix**
Kilic E., ARIKAN T.
TURKISH JOURNAL OF MATHEMATICS, vol.40, no.1, pp.80-89, 2016 (SCI-Expanded)
- XI. **The generalized reciprocal super Catalan matrix**
KILIÇ E., ARIKAN T.
TURKISH JOURNAL OF MATHEMATICS, vol.40, no.5, pp.960-972, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **103.26 A proof of Clarke's conjecture**
KILIÇ E., ARIKAN T.
MATHEMATICAL GAZETTE, vol.103, no.557, pp.346-352, 2019 (ESCI)
- II. **A Wilf class composed of 19 symmetry classes of quadruples of 4-letter patterns**
ARIKAN T., KILIÇ E., Mansour T.
NOTES ON NUMBER THEORY AND DISCRETE MATHEMATICS, vol.23, no.3, pp.79-99, 2017 (ESCI)
- III. **Ruehr's identities with two additional parameters**
KILIÇ E., ARIKAN T.
INTEGERS, vol.16, pp.1-8, 2016 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **A New Construction of Asymptotically Optimal Almost Affinely Disjoint Spaces**
ARIKAN T., Düzgün B., Ota K., ÖZBUDAK F.
2023 IEEE International Symposium on Information Theory, ISIT 2023, Taipei, Taiwan, 25 - 30 June 2023, vol.2023-June, pp.282-285
- II. **Evaluating Some Hessenberg Determinants via Generating Functions**
KILIÇ E., ARIKAN T.
International Conference on Approximation Theory and its Applications, 26 - 29 May 2016
- III. **Some Classes of Band Determinants of q binomial Coefficients**
KILIÇ E., ARIKAN T.
LICMA'15 Lebanese International Conference on Mathematics and Applications, 26 - 29 May 2015
- IV. **İki Periyodik Tridiagonal Sylvester Matrisinin Spektrumu**
KILIÇ E., ARIKAN T.
14. Matematik Sempozyumu, Turkey, 14 - 16 May 2015
- V. **Double binomial sums and double sums related with certain linear recurrences of various order**

KILIÇ E., ARIKAN T.

3rd International Eurasian Conference On Mathematical Sciences and Applications, 25 - 28 August 2014

VI. Some further results on the sums of reciprocals of terms of a order k recurring sequence

KILIÇ E., ARIKAN T.

15th International Conference on Fibonacci Numbers and Their Applications, 25 - 30 June 2012

Supported Projects

ARIKAN T., KILIÇ E., Project Supported by Higher Education Institutions, Bazı Hessenberg Determinantlarının Üreteç Fonksiyonlarıyla Hesaplanması, 2016 - 2016

ARIKAN T., KILIÇ E., Project Supported by Higher Education Institutions, q-Binom Katsayılarının Bant Determinantlarının Bazı Sınıfları, 2015 - 2015

Metrics

Publication: 20

Citation (WoS): 20

H-Index (WoS): 3