

## Prof. NAİM TUĞLU

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: Q-6880-201

ScopusID: 35613317300

Yoksis Researcher ID: 102610

### Education Information

Doctorate, Selcuk University, Institute Of Science, Matematik (Dr), Turkey 1998 - 2002

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 1995 - 1998

Undergraduate, Gazi University, Fen-Edebiyat Fakültesi, Matematik Pr., Turkey 1990 - 1994

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, LCM-GCD matrisleri üzerine, Selcuk University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2002

Postgraduate, Topolojinin fizikteki uygulamaları, Gazi University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 1998

### Research Areas

Mathematics

### Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Matematik Bölümü, 2017 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Matematik Bölümü, 2010 - 2017

Assistant Professor, Gazi University, Fen Fakültesi, Matematik Bölümü, 2003 - 2010

## Academic and Administrative Experience

Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Gazi University, Fen Fakültesi, Matematik, 2022 - 2023

Head of Department, Gazi University, Fen Fakültesi, Matematik, 2020 - 2023

Gazi University, Fen Fakültesi, Matematik Bölümü, 2012 - 2014

Fakülte Kurulu Üyesi, Gazi University, Fen Fakültesi, Matematik, 2011 - 2014

## Courses

Cebir I, Undergraduate, 2017 - 2018, 2016 - 2017

Diferansiyel Denklemler, Undergraduate, 2017 - 2018

Diferansiyel Denklemler, Undergraduate, 2016 - 2017

Cebir II, Undergraduate, 2016 - 2017

İstatistikte Matris Kuramı, Undergraduate, 2016 - 2017

## Advising Theses

TUĞLU N., Generalizations Of Bernoulli Polynomials And Fibo-Bernoulli Matrices, Doctorate, S.KUŞ(Student), 2020

TUĞLU N., Q-Binomial Transform Of Q-Fibonacci Sequences, Postgraduate, A.BAKIRHAN(Student), 2019

TUĞLU N., q-Fibonacci ve q-Lucas polinomları, Postgraduate, S.ESEN(Student), 2018

TUĞLU N., Harmonik ve hiperharmonik Fibonacci sayıları ve uygulamaları, Doctorate, C.KIZILATEŞ(Student), 2016

TUĞLU N., QRıordan Representations, Doctorate, F.Yeşil(Student), 2015

TUĞLU N., Incomplete q-Chebyshev polinomlarının özellikleri, Postgraduate, E.ERCAN(Student), 2015

TUĞLU N., q-Rıordan gösterimler, Doctorate, F.YEŞİL(Student), 2015

TUĞLU N., Q-bernoulli matrices and its properties, Postgraduate, S.KUŞ(Student), 2013

TUĞLU N., The properties of gauss binomial coefficients and fibonomial coefficients, Postgraduate, C.KIZILATEŞ(Student), 2012

TUĞLU N., Riordan representation of Pascal matrices via fibonomial coefficients, Postgraduate, F.YEŞİL(Student), 2011

TUĞLU N., Bivariate fibonacci and lucas polynomials, Postgraduate, C.ATAĞ(Student), 2011

TUĞLU N., GENERALIZED PASCAL MATRICES, Postgraduate, N.ABAY(Student), 2010

TUĞLU N., İki değişkenli Fibonacci ve Lucas polinomları, Postgraduate, H.ABBAS(Student), 2009

TUĞLU N., ARITHMETIC FUNCTIONS OF TWO VARIABLES, Postgraduate, F.ÇETİN(Student), 2007

## Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Zonguldak Bülent Ecevit Üniversitesi, December, 2020

Associate Professor Exam, Associate Professor Exam, Gazi University, September, 2020

Associate Professor Exam, Associate Professor Exam, Hacettepe Üniversitesi, June, 2020

Associate Professor Exam, Associate Professor Exam, Gazi University, October, 2018

Associate Professor Exam, Associate Professor Exam, Gazi Üniversitesi, August, 2018

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

### I. A study of harmonic Fibonacci polynomials associated With Bernoulli-F and Euler-Fibonacci polynomials

TUĞLU N., Kuş S., Kızılataş C.

Indian Journal of Pure and Applied Mathematics, 2023 (SCI-Expanded)

### II. Bernoulli F-polynomials and Fibo-Bernoulli matrices

Kuş S., Tuğlu N., Kim T.

- ADVANCES IN DIFFERENCE EQUATIONS, 2019 (SCI-Expanded)
- III. **On the  $(p, q)$ -Chebyshev Polynomials and Related Polynomials**  
Kızılates C., Tuğlu N., Çekim B.  
MATHEMATICS, vol.7, 2019 (SCI-Expanded)
- IV. **New Families of Three-Variable Polynomials Coupled with Well-Known Polynomials and Numbers**  
KIZILATEŞ C., ÇEKİM B., TUĞLU N., Kim T.  
SYMMETRY-BASEL, vol.11, no.2, 2019 (SCI-Expanded)
- V. **SOME RESULTS ON THE  $q$ -ANALOGUES OF THE INCOMPLETE FIBONACCI AND LUCAS POLYNOMIALS**  
Srivastava H. M., Tuğlu N., Cetin M.  
MISKOLC MATHEMATICAL NOTES, vol.20, pp.511-524, 2019 (SCI-Expanded)
- VI. **On the Bicomplex Generalized Tribonacci Quaternions**  
KIZILATEŞ C., Catarino P., TUĞLU N.  
MATHEMATICS, vol.7, no.1, 2019 (SCI-Expanded)
- VII. **Incomplete  $q$ -Chebyshev Polynomials**  
Ercan E., Cetin M., TUĞLU N.  
FILOMAT, vol.32, no.10, pp.3599-3607, 2018 (SCI-Expanded)
- VIII.  **$q$ -Riordan representation**  
Baran F. Y., TUĞLU N.  
LINEAR ALGEBRA AND ITS APPLICATIONS, vol.525, pp.105-117, 2017 (SCI-Expanded)
- IX. **On the bounds for the spectral norms of geometric circulant matrices**  
KIZILATEŞ C., TUĞLU N.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2016 (SCI-Expanded)
- X.  **$q$ -Riordan array for  $q$ -Pascal matrix and its inverse matrix**  
Tuğlu N., Yesil F., Dziemianczuk M., Kocer E. G.  
TURKISH JOURNAL OF MATHEMATICS, vol.40, pp.1038-1048, 2016 (SCI-Expanded)
- XI. **On the harmonic and hyperharmonic Fibonacci numbers**  
TUĞLU N., KIZILATEŞ C., KESİM S.  
ADVANCES IN DIFFERENCE EQUATIONS, 2015 (SCI-Expanded)
- XII. **On the norms of circulant and  $r$ -circulant matrices with the hyperharmonic Fibonacci numbers**  
TUĞLU N., KIZILATEŞ C.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2015 (SCI-Expanded)
- XIII. **GENERATING FUNCTIONS FOR THE GENERALIZED BIVARIATE FIBONACCI AND LUCAS POLYNOMIALS**  
Erkus-Duman E., TUĞLU N.  
JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, vol.18, no.5, pp.815-821, 2015 (SCI-Expanded)
- XIV. **The  $F$ -Analogue of Riordan Representation of Pascal Matrices via Fibonomial Coefficients**  
TUĞLU N., Yesil F., Kocer E. G., Dziemianczuk M.  
JOURNAL OF APPLIED MATHEMATICS, 2014 (SCI-Expanded)
- XV. **GENERALIZED  $F$ -NOMIAL MATRIX AND FACTORIZATIONS**  
AŞCI M., TAŞCI D., TUĞLU N.  
ARS COMBINATORIA, vol.108, pp.81-95, 2013 (SCI-Expanded)
- XVI. **Incomplete Bivariate Fibonacci and Lucas  $p$ -Polynomials**  
TAŞCI D., Firengiz M. C., TUĞLU N.  
DISCRETE DYNAMICS IN NATURE AND SOCIETY, 2012 (SCI-Expanded)
- XVII. **On Fibo-Pascal Matrix Involving  $k$ -Fibonacci and  $k$ -Pell Matrices**  
TAŞCI D., TUĞLU N., Asci M.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.36, no.6, pp.1031-1037, 2011 (SCI-Expanded)
- XVIII. **Bivariate fibonacci like  $p$ -polynomials**  
TUĞLU N., Kocer E. G., Stakhov A.  
APPLIED MATHEMATICS AND COMPUTATION, vol.217, no.24, pp.10239-10246, 2011 (SCI-Expanded)
- XIX. **On the  $m$ -extension of the Fibonacci and Lucas  $p$ -numbers**  
Kocer E. G., TUĞLU N., Stakhov A.

- CHAOS SOLITONS & FRACTALS, vol.40, no.4, pp.1890-1906, 2009 (SCI-Expanded)
- XX. **Hyperbolic functions with second order recurrence sequences**  
Kocer E. G., TUĞLU N., Stakhov A.  
ARS COMBINATORIA, vol.88, pp.65-81, 2008 (SCI-Expanded)
- XXI. **Norms of circulant and semicirculant matrices with horadam's numbers**  
Kocer E. G., Mansour T., TUĞLU N.  
ARS COMBINATORIA, vol.85, pp.353-359, 2007 (SCI-Expanded)
- XXII. **The Binet formulas for the Pell and Pell-Lucas p-numbers**  
Kocer E. G., TUĞLU N.  
ARS COMBINATORIA, vol.85, pp.3-17, 2007 (SCI-Expanded)
- XXIII. **On the representation of k-generalized Fibonacci and Lucas numbers**  
Ocal A., TUĞLU N., Altinisik E.  
APPLIED MATHEMATICS AND COMPUTATION, vol.170, no.1, pp.584-596, 2005 (SCI-Expanded)
- XXIV. **GCD matrices, posets, and nonintersecting paths**  
Altinisik E., Sagan B., TUĞLU N.  
LINEAR & MULTILINEAR ALGEBRA, vol.53, no.2, pp.75-84, 2005 (SCI-Expanded)
- XXV. **A note on bounds for norms of the reciprocal LCM matrix**  
Altinisik E., TUĞLU N., Haukanen P.  
MATHEMATICAL INEQUALITIES & APPLICATIONS, vol.7, no.4, pp.491-496, 2004 (SCI-Expanded)
- XXVI. **On the LCUM reciprocal GCUD matrices**  
TUĞLU N., TAŞCI D.  
Comptes Rendus De L Academie Bulgare Des Sciences, vol.55, no.12, pp.17-21, 2002 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Apostol Bernoulli-Fibonacci Polynomials, Apostol Euler-Fibonacci Polynomials and Their Generating Functions**  
ERCAN E., TUĞLU N.  
Turkish Journal of Mathematics and Computer Science, vol.15, no.1, pp.203-211, 2023 (Peer-Reviewed Journal)
- II. **Some Identities of Harmonic and Hyperharmonic Fibonacci Numbers**  
Cetin M., KIZILATEŞ C., Yesil Baran F., TUĞLU N.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.34, no.2, pp.493-504, 2021 (ESCI)
- III. **On the Norms of Geometric and Symmetric Geometric Circulant Matrices with the Tribonacci Number**  
KIZILATEŞ C., TUĞLU N.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.2, pp.555-567, 2018 (ESCI)
- IV. **A new generalization of convolved (p,q)-Fibonacci and (p,q)-Lucas polynomials**  
KIZILATEŞ C., TUĞLU N.  
Journal of Mathematical and Computational Science, vol.7, no.6, pp.995-1005, 2017 (Peer-Reviewed Journal)
- V. **q-GENERALIZATION OF BIPERIODIC FIBONACCI AND LUCAS POLYNOMIALS**  
KIZILATEŞ C., Firengiz M. C., TUĞLU N.  
JOURNAL OF MATHEMATICAL ANALYSIS, vol.8, no.5, pp.71-85, 2017 (ESCI)
- VI. **BINOMIAL TRANSFORMS OF QUADRAPELL SEQUENCES AND QUADRAPELL MATRIX SEQUENCES**  
KIZILATEŞ C., TUĞLU N., ÇEKİM B.  
JOURNAL OF SCIENCE AND ARTS, no.1, pp.69-80, 2017 (ESCI)
- VII. **Some q matrices related to Z transform**  
YEŞİL BARAN F., TUĞLU N., KIZILATEŞ C.  
Mathematical Sciences and Applications E-Notes, vol.3, no.1, pp.18-24, 2015 (Peer-Reviewed Journal)
- VIII. **On the norms of some special matrices matrices with the harmonic Fibonacci numbers**  
TUĞLU N., KIZILATEŞ C.  
Gazi University Journal of Science, vol.28, no.3, pp.497-501, 2015 (Scopus)

- IX. **q - Bernoulli Matrices and Their Some Properties**  
TUĞLU N., Kus S.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.28, no.2, pp.269-273, 2015 (ESCI)
- X. **On the Norms of Some Special Matrices with the Harmonic Fibonacci Numbers**  
TUĞLU N., KIZILATEŞ C.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.28, no.3, pp.497-501, 2015 (ESCI)
- XI. **Some Combinatorial Identities of q-Harmonic and q-Hyperharmonic Numbers**  
KIZILATEŞ C., TUĞLU N.  
COMMUNICATIONS IN MATHEMATICS AND APPLICATIONS, vol.6, no.2, pp.33-40, 2015 (ESCI)
- XII. **Some Identities for Fibonacci and Incomplete Fibonacci p-Numbers via the Symmetric Matrix Method**  
ÇETİN FİRENGİZ M., TAŞCI D., TUĞLU N.  
JOURNAL OF INTEGER SEQUENCES, vol.17, 2014 (Scopus)
- XIII. **Determinant and Inverse of Meet and Join Matrices**  
ALTINIŞIK E., TUĞLU N., Penti H.  
International Journal of Mathematics and Mathematical Sciences, vol.2007, pp.1-11, 2007 (Scopus)
- XIV. **Inverses of S f and S f on gcd closed sets and lcm closed sets**  
ÖÇAL A. A., ALTINIŞIK E., TUĞLU N.  
International Journal of Analyzing Methods of Components and Combinatorial Biology in Mathematics, vol.1, no.1, pp.45-57, 2007 (Peer-Reviewed Journal)
- XV. **On the LCM-reciprocal GCD Matrices**  
TUĞLU N., TAŞCI D.  
Far East Journal of Mathematical Science, vol.6, pp.93-96, 2003 (Peer-Reviewed Journal)

#### Refereed Congress / Symposium Publications in Proceedings

- I. **Some properties of Fibo-Bernoulli matrices**  
KUŞ S., TUĞLU N.  
ICMME 2019, Konya, Turkey, 11 July 2019
- II. **A SYMMETRIC ALGORITHM FOR SOME SPECIAL NUMBERS**  
KIZILATEŞ C., YEŞİL BARAN F., ÇETİN M., TUĞLU N.  
International Congress on Fundamental and Applied Sciences, Skopje, Macedonia, 18 - 22 June 2018
- III. **ON THE RIORDAN ARRAYS WITH APPLICATIONS IN SOME SPECIAL NUMBERS**  
YEŞİL BARAN F., KIZILATEŞ C., ÇETİN M., TUĞLU N.  
International Congress on Fundamental and Applied Science, Skopje, Macedonia, 18 - 22 June 2018
- IV. **A Note On Convolved Fibonacci and Lucas Polynomials**  
KIZILATEŞ C., TUĞLU N.  
International Conference on Mathematics and Mathematics Education, Ordu, Turkey, 27 - 29 June 2018
- V. **Binomial Transforms and Its Applications**  
KIZILATEŞ C., TUĞLU N.  
International Conference on Mathematics and Mathematics Education, Ordu, Turkey, 27 - 29 June 2018
- VI. **Some Results on q-Analogue of the Chebyshev Polynomials**  
ÇETİN M., Ercan E., TUĞLU N.  
International Conference on Number Theory dedicated by to the 70th birthdays of Professors Antanas Laurincikas and Eugenijus Manstavicius, Palang, Bangladesh, 9 - 15 September 2018
- VII. **ON A NEW FAMILY OF THREE VARIABLES POLYNOMIALS**  
KIZILATEŞ C., ÇEKİM B., TUĞLU N.  
THE THIRD INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES (CMES-2018), Girne, Cyprus (Kkct), 4 - 06 May 2018
- VIII. **On the Geometric Circulant Matrices with the Some Special Numbers**  
KIZILATEŞ C., TUĞLU N.

International Conference on Mathematics and Mathematics Education, 11 - 13 May 2017

- IX. **A Note on the Generalization  $q$ -Fibonacci Polynomials**  
ÇETİN M., KIZILATEŞ C., TUĞLU N.  
International Conference on Mathematics and Mathematics Education, Şanlıurfa, Turkey, 11 - 13 May 2017
- X. **On Incomplete  $q$  Chebyshev Polynomials**  
Ercan E., ÇETİN FİRENGİZ M., TUĞLU N.  
International Conference on Mathematics and Mathematics Education (ICMME-2016), 12 - 14 May 2016
- XI. **On the  $q$  Harmonic and  $q$  Hyperharmonic Numbers**  
KIZILATEŞ C., TUĞLU N.  
International Conference on Mathematics and Mathematics Education (ICMME-2016), 12 - 14 May 2016
- XII. **Some Incomplete  $q$  Polynomials**  
ÇETİN FİRENGİZ M., TUĞLU N.  
The International Conference on Pure and Applied Mathematics, Van, Turkey, 25 - 28 August 2015, pp.45
- XIII.  **$q$  Analogue of Riordan Representation**  
YEŞİL BARAN F., TUĞLU N.  
Second International Symposium on Riordan Arrays and Related Topics, Lecco, Italy, 14 - 16 July 2015, pp.25
- XIV. **Hiperharmonik Fibonacci Sayılarının Bazı Özellikleri**  
TUĞLU N., ÇETİN FİRENGİZ M., YEŞİL BARAN F., KIZILATEŞ C.  
28. Ulusal Matematik Sempozyumu, Akdeniz Üniversitesi, Antalya, Turkey, 7 - 09 September 2015
- XV. **Hyperharmonik Fibonacci Sayıları ve Uygulamaları**  
KIZILATEŞ C., TUĞLU N., KESİM S.  
28. Ulusal Matematik Sempozyumu, Akdeniz Üniversitesi, Antalya, Turkey, 09 July 2015
- XVI. **Incomplete  $q$  Chebyshev Polinomları**  
Ercan E., TUĞLU N., ÇETİN FİRENGİZ M.  
28. Ulusal Matematik Sempozyumu, Antalya, Turkey, 7 - 09 September 2015
- XVII. **Matrislerin Riordan Grupları**  
TUĞLU N., YEŞİL BARAN F.  
14. Matematik Sempozyumu, Niğde Üniversitesi, Niğde, Turkey, 14 - 16 May 2015
- XVIII. **On the  $q$ -Sidel Matrix**  
ÇETİN FİRENGİZ M., TUĞLU N.  
Sixteenth International Conference on Fibonacci Numbers and Their Applications, New York, United States Of America, 20 - 27 July 2014, vol.52, pp.117-123

## Metrics

Publication: 62

Citation (WoS): 340

Citation (Scopus): 320

H-Index (WoS): 11

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