

## Assoc. Prof. Nurten GÜRSES

### Personal Information

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### International Researcher IDs

ScholarID: zR1wn5IAAAAJ

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Publons / Web Of Science ResearcherID: AAC-1279-2020

ScopusID: 57222516183

Yoksis Researcher ID: 27249

### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences,  
Matematik, Turkey 2011 - 2014

Postgraduate, Sakarya University, Institute Of Science, Matematik, Turkey 2009 - 2011

Undergraduate, Gazi University, Fen Edebiyat Fakültesi, Matematik, Turkey 2005 - 2009

### Dissertations

Doctorate, Afin Cayley-Klein Düzleminde 1-parametrel Hareketler, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Matematik /Geometri , 2014

Postgraduate, Lorentzian Bobillier Formülü, Sakarya Üniversitesi, Fen Bilimleri Enstitüsü, Matematik /Geometri, 2011

### Research Areas

Mathematics, Differential Geometry, General Mathematics, Geometry, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathematics, 2018 - Continues

Assistant Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathematics, 2015 - 2018

Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathematics, 2014 - 2015

Research Assistant, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Matematik /Geometri ,  
2011 - 2014

### Academic and Administrative Experience

Faculty FEDEK Representative, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathematics, 2023

- 2026

Head of Department Certification Commission, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathematics, 2022 - 2025

Head of the Department Bologna Commission, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathematics, 2022 - 2025

Member of Department FEDEK Commission, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathematics, 2019 - 2020

## Courses

### Postgraduate

MAT5121 Advanced Linear Algebra , Postgraduate, 2018 - 2019

MAT5001 Seminar, Postgraduate, 2018 - 2019, 2017 - 2018

MAT5121 İleri Lineer Cebir , Postgraduate, 2018 - 2019

### Undergraduate

MAT2142 Analytical Geometry 2, Undergraduate, 2018 - 2019

MAT3152 Diferansiyel Geometri 2, Undergraduate, 2018 - 2019

MAT9000 Graduation Thesis, Undergraduate, 2018 - 2019, 2017 - 2018, 2015 - 2016

MAT4460 Planar Kinematics, Undergraduate, 2018 - 2019

MAT2141 Analytical Geometry 1, Undergraduate, 2018 - 2019

MAT3151 Diferansiyel Geometri 1, Undergraduate, 2018 - 2019

MAT1811 Linear Algebra 1, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

MAT1072 Mathematics 2, Undergraduate, 2017 - 2018, 2015 - 2016, 2014 - 2015

MAT2152 Analytical Geometry, Undergraduate, 2017 - 2018

MAT1812 Linear Algebra 2, Undergraduate, 2017 - 2018, 2015 - 2016

MAT1071 Mathematics 1, Undergraduate, 2017 - 2018, 2016 - 2017

MAT4521 Surface Theory, Undergraduate, 2017 - 2018

MAT2152 Analitik Geometri , Undergraduate, 2015 - 2016

MAT1320 Lineer Cebir , Undergraduate, 2015 - 2016

MAT1071 Matematik 1 , Undergraduate, 2015 - 2016

IMO1042 Geometri , Undergraduate, 2014 - 2015

MAT1320 Linear Algebra, Undergraduate, 2015 - 2016

MAT2411 Differential Equations, Undergraduate, 2015 - 2016

MAT2411 Diferansiyel Denklemler , Undergraduate, 2015 - 2016

MAT1072 Matematik 2 , Undergraduate, 2014 - 2015

## Supervised Theses

Gürses N., Padovan, Perrin ve Pell-Padovan Genelleştirilmiş Kuarterniyonlar, Postgraduate, Z.İŞBİLİR(Student), 2021

Gürses N., Euler-Savary Denkleminin Hiperbolik Sayı Formları, Postgraduate, D.ÇAĞLAR(Student), 2021

## Jury Memberships

Post Graduate, Post Graduate, Pamukkale Üniversitesi, August, 2024

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, June, 2023

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, March, 2023

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, March, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, İstanbul

Gelişim Üniversitesi, August, 2022

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, June, 2019

Doctorate, Doctorate, Sakarya Üniversitesi, January, 2019

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, September, 2018

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, June, 2018

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, April, 2018

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, June, 2016

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

- I. **On Vietoris' hybrid number sequence**  
Gürses N., Saçlı G. Y., Yüce S.  
TURKISH JOURNAL OF MATHEMATICS, vol.48, no.4, pp.658-672, 2024 (SCI-Expanded)
- II. **Similarity Relations and Exponential of Dual-Generalized Complex Matrices**  
Gürses N., Şentürk G. Y.  
ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA, SERIA MATEMATICA, vol.31, no.3, pp.145-165, 2023 (SCI-Expanded)
- III. **Bringing Together Dual-Generalized Complex Numbers and Dual Quaternions via Fibonacci and Lucas Numbers**  
Gürses N.  
UPB SCIENTIFIC BULLETIN, SERIES A: APPLIED MATHEMATICS AND PHYSICS, vol.83, no.3, pp.21-34, 2021 (SCI-Expanded)
- IV. **Padovan and Perrin Generalized Quaternions**  
İşbilir Z., Gürses N.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, pp.1-17, 2021 (SCI-Expanded)
- V. **One-Parameter Homothetic Motions and Euler-Savary Formula in Generalized Complex Number Plane C-J**  
Gürses N., Akbiyik M., Yüce S.  
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.26, no.1, pp.115-136, 2016 (SCI-Expanded)
- VI. **One-Parameter Planar Motions in Generalized Complex Number Plane**  
Gürses N., Yüce S.  
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.25, no.4, pp.889-903, 2015 (SCI-Expanded)
- VII. **Bobillier Formula for One Parameter Motions in the Complex Plane**  
Ersoy S., Gürses N.  
JOURNAL OF MECHANISMS AND ROBOTICS, vol.4, no.2, pp.1, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Horadam 3-Parameter Generalized Quaternions**  
İşbilir Z., Gürses N.  
HONAM MATHEMATICAL JOURNAL, vol.46, no.3, pp.407-427, 2024 (ESCI)
- II. **An Extended Framework For Bihyperbolic Generalized Tribonacci Numbers**  
Gürses N., İşbilir Z.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.73, no.3, pp.765-786, 2024 (ESCI)
- III. **Dual Quaternion Theory over HGC numbers**  
Şentürk G. Y., Gürses N.  
JOURNAL OF DISCRETE MATHEMATICAL SCIENCES AND CRYPTOGRAPHY, vol.27, no.1, pp.117-142, 2024 (ESCI)

- IV. **Examination of generalized Tribonacci dual quaternions**  
İşbilir Z., Gürses N.  
ACTA ET COMMENTATIONES UNIVERSITATIS TARTUENSIS DE MATHEMATICA, vol.23, no.2, pp.235-255, 2023 (ESCI)
- V. **Investigating Generalized Quaternions with Dual-Generalized Complex Numbers**  
Gürses N., Şentürk G. Y., Yüce S.  
MATHEMATICA BOHEMICA, vol.148, no.3, pp.329-348, 2023 (ESCI)
- VI. **Padovan, Perrin and Pell-Padovan Dual Quaternions**  
İŞBİLİR Z., GÜRSES N.  
Turkish Journal of Mathematics and Computer Science, vol.15, no.1, pp.125-144, 2023 (Scopus)
- VII. **MATRIX THEORY OVER DGC NUMBERS**  
Gürses N., Şentürk G. Y.  
JOURNAL OF SCIENCE AND ARTS, vol.23, no.1, pp.209-228, 2023 (ESCI)
- VIII. **New Insight Into Quaternions and Their Matrices**  
Şentürk G. Y., Gürses N., Yüce S.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.72, no.1, pp.43-58, 2023 (ESCI)
- IX. **Pentanacci and Pentanacci-Lucas hybrid numbers**  
İşbilir Z., GÜRSES N.  
Journal of Discrete Mathematical Sciences and Cryptography, vol.26, no.2, pp.423-442, 2023 (ESCI)
- X. **Hyperbolic Number Forms of the Euler-Savary Equation**  
Çağlar D., Gürses N.  
INTERNATIONAL ELECTRONIC JOURNAL OF GEOMETRY, vol.15, no.2, pp.343-358, 2022 (ESCI)
- XI. **On the Combined Jacobsthal-Padovan Generalized Quaternions**  
Gürses N., İşbilir Z.  
Advanced Studies: Euro-Tbilisi Mathematical Journal, vol.15, no.2, pp.55-70, 2022 (ESCI)
- XII. **Algebraic Construction for Dual Quaternions with GCN**  
ŞENTÜRK G. Y., GÜRSES N., YÜCE S.  
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.11, no.2, pp.586-593, 2022 (Peer-Reviewed Journal)
- XIII. **A comprehensive survey of dual-generalized complex Fibonacci and Lucas numbers**  
GÜRSES N., ŞENTÜRK G. Y., YÜCE S.  
Sigma Journal of Engineering and Natural Sciences, vol.40, no.1, pp.179-187, 2022 (ESCI)
- XIV. **Construction of dual-generalized complex Fibonacci and Lucas quaternions**  
ŞENTÜRK G. Y., GÜRSES N., YÜCE S.  
Carpathian Mathematical Publications, vol.14, no.2, pp.406-418, 2022 (ESCI)
- XV. **Fundamental properties of extended Horadam numbers**  
ŞENTÜRK G. Y., GÜRSES N., YÜCE S.  
NOTES ON NUMBER THEORY AND DISCRETE MATHEMATICS, vol.27, no.4, pp.219-235, 2021 (ESCI)
- XVI. **Pell-Padovan Generalized Quaternions**  
İşbilir Z., Gürses N.  
Notes on Number Theory and Discrete Mathematics, vol.27, no.1, pp.171-187, 2021 (ESCI)
- XVII. **A Study on Dual-Generalized Complex and Hyperbolic-Generalized Complex Numbers**  
Gürses N., Şentürk G. Y., Yüce S.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.34, no.1, pp.180-194, 2021 (ESCI)
- XVIII. **IDENTIFYING CANAL SURFACES IN  $E^4$ : CHARACTERIZATION OF A SPECIAL CASE**  
Gürses N.  
Journal of Science and Arts, vol.3, pp.647-660, 2020 (ESCI)
- XIX. **A Survey on the Base, Rolling and Roulette Curves on Generalized Complex Number Plane  $C_J$**   
Akbiyık M., Gürses N., Yüce S.  
Konuralp Journal of Mathematics (KJM), vol.7, no.1, pp.228-232, 2019 (Peer-Reviewed Journal)
- XX. **On the Moving Coordinate System and Euler-Savary Formula in Affine Cayley-Klein Planes**

Gürses N., Yüce S.

DOKUZ EYLÜL ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ FEN VE MÜHENDİSLİK DERGİSİ, vol.21, no.0, pp.137-148, 2019 (Peer-Reviewed Journal)

- XXI. **Soft  $\Gamma$ -Semirings**  
Bektaş Ö., Gürses N., Onar S., Ersoy B. A.  
Math: Modelling, Application and Theory, vol.3, pp.1-16, 2018 (Peer-Reviewed Journal)
- XXII. **On the Quaternionic Focal Curves**  
Gürses N., Bektaş Ö., Yüce S.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, no.2, pp.357-366, 2017 (Peer-Reviewed Journal)
- XXIII. **Quaternionic osculating curves in Euclidean and semi-Euclidean space**  
Bektaş Ö., Gürses N., Yüce S.  
JOURNAL OF DYNAMICAL SYSTEMS AND GEOMETRIC THEORIES, vol.14, no.1, pp.65-84, 2016 (ESCI)
- XXIV. **SPECIAL SMARANDACHE CURVES IN  $R^{-1}(3)$**   
Gürses N., Bektaş Ö., Yüce S.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.65, no.2, pp.143-160, 2016 (ESCI)
- XXV. **Galilean Bobillier Formula for One Parameter Planar Motions**  
Gürses N., Akbıyık M., Yüce S.  
International Journal of Mathematical Combinatorics, vol.4, pp.74-83, 2015 (Peer-Reviewed Journal)
- XXVI. **One parameter Planar Motions in Affine Cayley Klein Planes**  
Bayrak Gürses N., Yüce S.  
EUROPEAN JOURNAL OF PURE AND APPLIED MATHEMATICS, no.7, pp.335-342, 2014 (ESCI)
- XXVII. **Osculating Spheres a Semi Real Quaternionic Curve in  $E_2^4$**   
Bektaş Ö., Gürses N., Yüce S.  
EUROPEAN JOURNAL OF PURE AND APPLIED MATHEMATICS, vol.7, pp.86-96, 2014 (ESCI)
- XXVIII. **Lorentzian Bobillier Formula**  
Ersoy S., Bayrak N.  
Applied Mathematics E-Notes, vol.13, pp.25-35, 2013 (Scopus)

## Books

- I. **On Extended  $k$ -order Fibonacci and Lucas Numbers via DGC Numbers**  
Gürses N., Saçlı G. Y., Yüce S.  
in: New Frontiers in Number Theory and Applications, Jordi Guàrdia, Nicuşor Minculete, Diana Savin, Montserrat Vela, Abdelkader Zekhnini, Editor, Springer, London/Berlin, Zug, pp.155-189, 2024
- II. **Genelleştirilmiş Kompleks Matrisler**  
Gürses N.  
in: Sayılar ve Matrisler Teorisi, Prof. Dr. Salim YÜCE, Editor, Pegem A Yayıncılık, Ankara, pp.358-454, 2023
- III. **Genelleştirilmiş Kompleks Sayılar ve Afin Cayley-Klein Düzlemi**  
Gürses N.  
in: SAYILAR VE GEOMETRİ, Prof. Dr. Salim YÜCE, Editor, Pegem A Yayıncılık, Ankara, pp.218-259, 2020
- IV. **Diğer Düzlemsel Sayı Yapıları**  
Gürses N.  
in: SAYILAR VE GEOMETRİ, Prof. Dr. Salim YÜCE, Editor, Pegem A Yayıncılık, Ankara, pp.262-309, 2020

## Papers Published in Refereed Scientific Meetings

- I. **Positive Integer Powers of Certain Dual Tridiagonal Matrices**

Dursun P., Gürses N.

Izmir Mathematics Days V, İzmir, Turkey, 27 - 29 September 2023, pp.7

**II. Dual-Generalized Complex Matrices**

Gürses N., Şentürk G. Y.

11th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2022), İstanbul, Turkey, 29 August - 01 September 2022, pp.190-192

**III. On Vietoris' Hybrid Number Sequence**

Gürses N., Şentürk G. Y., Yüce S.

9th International Congress on Fundamental and Applied (ICFAS2022) Sciences, İstanbul, Turkey, 28 - 30 June 2022, pp.134

**IV. A Note on Vietoris' Polynomials**

Gürses N., Çağlar D.

19th International Geometry Symposium, Edirne, Turkey, 27 - 30 June 2022, pp.106-107

**V. Generalized Fifth Order Pell Hybrid Numbers**

İşbilir Z., Gürses N.

5th International ONLINE Conference on Mathematical Advances and Applications (ICOMAA 2022), İstanbul, Turkey, 11 - 14 May 2022, pp.185

**VI. Generalized Fourth Order Pell Hybrid Numbers**

İşbilir Z., Gürses N.

INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES(ICOLES 2021), İstanbul, Turkey, 23 - 25 September 2021, pp.12-13

**VII. A Study on the Association of the 3-Primes and Reverse 3-Primes Generalized Quaternions**

İşbilir Z., Gürses N.

1st INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN FUNDAMENTAL AND APPLIED SCIENCES (ISFAS 2021), Erzurum, Turkey, 10 - 12 September 2021, pp.161

**VIII. A New Look on Oresme Numbers: Dual-Generalized Complex Component Extension**

Şentürk G. Y., Gürses N., Yüce S.

18. Geometry Symposium, Malatya, Turkey, 12 - 13 July 2021, pp.101-103

**IX. Padovan and Perrin Generalized Quaternions**

İşbilir Z., Gürses N.

9th INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS (IECMSA - 2020), Skopje, Macedonia, 25 - 28 August 2020, pp.154-155

**X. New Hyperbolic-Number Forms of the Euler Savary Equation: The Consideration of Future Pointing Timelike Pole Rays for Spacelike Pole Curves**

Çağlar D., Gürses N.

International Conference on Mathematics and Its Applications in Science and Engineering (ICMASE2020), Ankara, Turkey, 9 - 10 July 2020, pp.39-41

**XI. A Comprehensive Survey of Dual Generalized Complex Fibonacci Numbers**

Gürses N., Şentürk G. Y., Yüce S.

3rd International E-Conference on Mathematical Advances and Applications (ICOMAA 2020), İstanbul, Turkey, 24 - 27 June 2020, pp.162

**XII. A REMARK ON CANAL AND TUBE HYPERSURFACES IN  $E^4$**

Gürses N.

3. International Congress on Statistics Mathematics and Analytical Methods, İstanbul, Turkey, 12 - 13 March 2020, pp.72

**XIII. Moving Coordinate System and Euler-Savary Formula under OneParameterPlanar Homothetic Motions in Generalized Complex NumberPlane  $C_j$**

Gürses N., Yüce S., Akbıyık M.

16th International Geometry Symposium, Manisa, Turkey, 04 July 2018, pp.43-46

**XIV. ONE-PARAMETER HOMOTHETIC MOTIONS IN GENERALIZED COMPLEX NUMBER PLANE  $C_J$**

GÜRSES N., AKBIYIK M., YÜCE S.

International Congress On Mathematics Statistics And Analytical Methods, İstanbul, Turkey, 02 March 2018, pp.22-23

- XV. **One-Parameter Planar Motions in Generalized Complex Number Plane  $C_J$**   
GÜRSES N., YÜCE S.  
13th Algebraic Hyperstructures and its Applications Conference (AHA2017), 24 - 27 July 2017
- XVI. **A survey on the Base, Rolling and Roulette Curves on Generalized Complex Number Plane  $C_J$**   
Akbiyik M., Gürses N., Yüce S.  
2nd International Conference on Pure and Applied Sciences, İstanbul, Turkey, 01 June 2016, pp.153
- XVII. **Euler-Savary Formula for One-Parameter Motions in Affine Cayley-Klein Planes**  
Gürses N., Yüce S.  
13. Geometri Sempozyumu, İstanbul, Turkey, 27 July 2015, pp.20
- XVIII. **On the Moving Coordinate System and Pole Points in Affine Cayley-Klein Planes**  
Gürses N., Yüce S.  
2015 Joint Mathematics Meetings, Texas, United States Of America, 10 January 2015, pp.1
- XIX. **Galilean Bobillier Formula for One Parameter Planar Motions**  
Gürses N., Akbiyik M., Yüce S.  
33rd Colloquim on Combinatorics, Ilmenau, Germany, 07 November 2014, pp.1
- XX. **One Parameter Planar Motions in Affine Cayley Klein Planes**  
Gürses N., Yüce S.  
33rd Colloquim on Combinatorics, Ilmenau, Germany, 7 - 08 November 2014
- XXI. **The Investigation of the Viewpoint of Academic Staff and Graduate Students in Teaching Geometry in Elementary School**  
Bayrak N., YÜCE S., Yüce M. K.  
5th World Conference on Educational Sciences (WCES), Rome, Italy, 5 - 08 February 2013, vol.116, pp.2115-2119
- XXII. **Quaternionic Osculating Curves in Semi Euclidean Space  $E_2^4$**   
BEKTAŞ Ö., GÜRSES N., YÜCE S.  
2nd International Conference on Mathematical Sciences and Applications (IECMSA 2013), Saraybosna, Bosnia And Herzegovina, 26 August 2013, pp.281
- XXIII. **On the Osculating Spheres of a Dual Quaternionic and Dual Split Quaternionic Curve**  
GÜRSES N., BEKTAŞ Ö., AKBIYIK M., YÜCE S.  
2nd International Conference on Mathematical Sciences and Applications (IECMSA 2013), Saraybosna, Bosnia And Herzegovina, 26 August 2013, pp.275
- XXIV. **Quaternionic Focal Curves in  $E^4$**   
GÜRSES N., BEKTAŞ Ö., YÜCE S.  
XI. Geometri Sempozyumu, Ordu, Turkey, 01 July 2013, pp.61
- XXV. **Semi Real Quaternionic Focal Curves in Semi Euclidean Space  $E_2^4$**   
GÜRSES N., BEKTAŞ Ö., YÜCE S.  
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM 2013), İstanbul, Turkey, 02 June 2013, pp.353
- XXVI. **Osculating Spheres of Semi Real Quaternionic Curves in  $E_2^4$**   
BEKTAŞ Ö., GÜRSES N., YÜCE S.  
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM 2013), 2 - 05 June 2013
- XXVII. **Quaternionic Osculating Curves in  $E^4$**   
Bektaş Ö., Gürses N., Yüce S.  
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM 2013), İstanbul, Turkey, 2 - 05 June 2013
- XXVIII. **Bobillier Formula for One Parameter Motions in the Complex Plane**  
ERSOY S., BAYRAK N.  
1st International Eurasian Conference on Mathematical Sciences and Applications (IECMSA 2012), 3 - 07 September 2012
- XXIX. **Special Smarandache Curves in  $E_1^3$**

Bayrak N., Bektaş Ö., Yüce S.

International Conference on Applied Analysis and Algebra (ICAAA 2012), İstanbul, Turkey, 20 - 24 June 2012

**XXX. Lorentzian Bobillier Formula**

ERSOY S., BAYRAK N.

VI International Meeting on Lorentzian Geometry, 6 - 09 September 2011

## Supported Projects

Gürses N., Narin S., Barın S., TUBITAK Project, 3 Boyutlu k-Fibonacci Spirali Yardımıyla Özel Eğri İnşası, 2023 - 2024

Gürses N., Özay M. C., TUBITAK Project, p-Leonardo Bihiperbolik Sayılarının Araştırılması ve Özelliklerinin İncelenmesi, 2023 - 2024

Gürses N., Dursun P., TUBITAK Project, Özel Bir Tipteki Dual Üç Bant Matrisin Pozitif Tam Sayı Kuvvetleri Nasıl Hesaplanır?, 2022 - 2024

GÜRSES N., ŞENTÜRK G. Y., Project Supported by Higher Education Institutions, Dual-Genelleştirilmiş Kompleks Katsayılı Matrisler, 2020 - 2023

Gürses N., Şentürk G. Y., Project Supported by Higher Education Institutions, Hiperbolik-Genelleştirilmiş Kompleks Katsayılı Fibonacci-Lucas Sayıları ve Kuaterniyonlar Teorisi, 2020 - 2022

## Activities in Scientific Journals

Hagia Sophia Journal of Geometry (HSJG), Assistant Editor/Section Editor, 2019 - Continues

## Memberships / Tasks in Scientific Organizations

Geometriciler Derneği, Member, 2020 - Continues, Turkey

## Peer Reviews in Scientific Publications

JOURNAL OF SCIENCE AND ARTS, National Scientific Refreed Journal, July 2024

Communications in Advanced Mathematical Sciences, Other Indexed Journal, April 2024

JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, SCI Journal, May 2023

JOURNAL OF SCIENCE AND ARTS, Journal Indexed in ESCI, March 2023

BULLETIN OF TRANSILVANIA UNIVERSITY OF BRASOV, Other Indexed Journal, December 2022

MATHEMATICAL METHODS IN THE APPLIED SCIENCES, SCI Journal, May 2022

Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics, Journal Indexed in ESCI, May 2022

Turkish Journal of Mathematics and Computer Science, Other Indexed Journal, February 2022

GÜMÜŞHANE ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, December 2021

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, October 2021

Communications in Advanced Mathematical Sciences, Other journals, August 2021

Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics, Journal Indexed in ESCI, June 2021

European Journal of Pure and Applied Mathematics, Journal Indexed in ESCI, March 2021

Punjab University Journal of Mathematics, Journal Indexed in ESCI, October 2020

Mathematical Sciences and Applications E-Notes, Other Indexed Journal, October 2020

Acta Polytechnica, Journal Indexed in ESCI, July 2020

Conference Proceedings of Science and Technology, Other journals, September 2019

Hagia Sophia Journal of Geometry, Other journals, August 2019



Hagia Sophia Journal of Geometry, Other journals, December 2018  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, SCI Journal, September 2018  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, SCI Journal, August 2018  
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, SCI Journal, February 2018  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Indexed Journal, October 2017  
Boletim da Sociedade Paranaense de Matemática, Journal Indexed in ESCI, September 2017  
AFRICA EDUCATION REVIEW, Journal Indexed in ESCI, April 2016  
Konuralp Journal of Mathematics, Other Indexed Journal, May 2014

## Tasks In Event Organizations

Yüce S., Gürses N., OCAK GÜMRÜKÇÜ H., 2209A/B FEN ve MATEMATİK ÖĞRENCİ ÇALIŞTAYI, Workshop Organization, İstanbul, Turkey, Mayıs 2024  
Yüce S., Gürses N., 11th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2022), Scientific Congress, İstanbul, Turkey, Eylül 2022  
Yüce S., Gürses N., Aydoğdu İ., Köklü K., 13. Geometri Sempozyumu-YTÜ, Scientific Congress, İstanbul, Turkey, Temmuz 2015

## Scientific Research / Working Group Memberships

Yüce Research Group, Yıldız Technical University, Türkiye, <https://avesis.yildiz.edu.tr/arastirma-grubu/yucerg>, 2011 - Continues

## Metrics

Publication: 78  
Citation (WoS): 58  
Citation (Scopus): 32  
H-Index (WoS): 5  
H-Index (Scopus): 3

## Congress and Symposium Activities

New Trends in Quaternions and Octonions - NTQO 2022, Audience, Agualva-Cacem, Portugal, 2022  
New Trends in Quaternions and Octonions - NTQO 2021, Audience, Vila-Nova-De-Gaia, Portugal, 2021  
Ege Geometry Day-3, Audience, İzmir, Turkey, 2021  
X International Meeting on Lorentzian Geometry, Audience, Cordoba, Spain, 2021  
Kadın ve Matematik: Sayılar Teorisi, Audience, İstanbul, Turkey, 2020  
Kadın ve Matematik: Diferansiyel Geometri, Audience, İstanbul, Turkey, 2018  
XII. Geometri Sempozyumu, Audience, Bilecik, Turkey, 2014  
International Conference on Applied Analysis and Algebra (ICAAA 2011), Audience, İstanbul, Turkey, 2011

## Awards

Gürses N., Yayın Teşvik Ödülü, Ytü, March 2024  
Gürses N., Yayın Teşvik Ödülü, Ytü, January 2021  
Gürses N., Yayın Teşvik Ödülü, Tübitak, February 2016

GÜRSES N., Yayın Teşvik Ödülü, YTÜ, January 2015

GÜRSES N., Yayın Teşvik Ödülü, YTÜ, January 2012