

## **Asst. Prof. CÜNEYT YAZICI**

### **Personal Information**

**Email:** cuneyt.yazici@kocaeli.edu.tr

**Web:** <https://avesis.kocaeli.edu.tr/cuneyt.yazici>

### **International Researcher IDs**

ORCID: 0000-0002-4535-510X

Publons / Web Of Science ResearcherID: F-6158-2018

ScopusID: 55928045900

Yoksis Researcher ID: 51508

### **Education Information**

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2008 - 2015

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, Turkey 2006 - 2008

Undergraduate, Kocaeli University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2002 - 2006

### **Foreign Languages**

English, C1 Advanced

### **Dissertations**

Doctorate, Shearlet teorisi ve medikal verilere uygulaması, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 2015

Postgraduate, Yapılmış matrislerde yer değiştirme operatörleri ve onların tersleri, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, 2008

### **Research Areas**

Mathematics, Differential Equations, Functional Analysis, Integral Equations, Partial Differential Equations, Mathematics Education, Natural Sciences

### **Academic Titles / Tasks**

Assistant Professor, Kocaeli University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2018 - Continues

Assistant Professor, Kocaeli University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2015 - 2018

Research Assistant, Kocaeli University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2007 - 2015

### **Academic and Administrative Experience**

Vice Dean, Kocaeli University, Eğitim Fakültesi, 2019 - Continues

Deputy Head of Department, Kocaeli University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2018 -  
Continues

## Courses

Analiz 3, Undergraduate, 2020 - 2021

Analitik Geometri, Undergraduate, 2020 - 2021

ANALİZ 1, Undergraduate, 2016 - 2017

## Advising Theses

Yazıcı C., DEMİR B., İLKÖĞRETİM MATEMATİK ÖĞRETMEN ADAYLARININ İNOVATİF OKURYAZARLIK DÜZEYLERİ İLE  
MATEMATİKSEL MODELLEMEYE YÖNELİK TUTUM VE ÖZ YETERLİK ALGISI ARASINDAKİ İLİŞKİNİN İNCELENMESİ,  
Postgraduate, S.KARA(Student), 2023

Yazıcı C., Matematik öğretmen ve öğretmen adaylarının okul dışı öğrenme ortamlarına yönelik görüşleri, Postgraduate,  
Ö.TAŞIN(Student), 2023

Yazıcı C., İlköğretim matematik öğretiminde kavram yanılıqları ile ilgili lisansüstü tezlerin incelenmesi, Postgraduate,  
K.ÖZDEMİR(Student), 2021

Yazıcı C., Veri işleme ve olasılık öğrenme alanlarında yapılan lisansüstü tezlerin incelenmesi, Postgraduate,  
S.DİNÇ(Student), 2021

Yazıcı C., 7. Sınıf cebir öğrenme alanında REACT stratejisinin öğrencilerin akademik başarıları üzerine etkileri,  
Postgraduate, M.ERÇOBAN(Student), 2018

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

- I. **On the stability and behavior of solutions in mixed differential equations with delays and advances**  
Yeniçerioğlu A. F., Yazıcı C., Pinelas S.

Mathematical Methods In The Applied Sciences, pp.1-29, 2022 (SCI-Expanded)

- II. **Asymptotic Behavior and Stability in Linear Impulsive Delay Differential Equations with Periodic Coefficients**

Yeniçerioğlu A. F., Yazıcı V., Yazıcı C.

MATHEMATICS, vol.8, 2020 (SCI-Expanded)

- III. **Comparison of wavelet and shearlet transforms for medical images**

Sevindir H., YAZICI C.

Applied Mathematics and Information Sciences, vol.10, no.4, pp.1447-1452, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **ON THE BEHAVIORS OF SOLUTIONS IN LINEAR NONHOMOGENEOUS DELAY DIFFERENTIAL EQUATIONS WITH PERIODIC COEFFICIENTS**

Yeniçerioğlu A. F., Yazıcı C.

Proceedings of International Mathematical Sciences, vol.5, no.2, pp.63-75, 2023 (Peer-Reviewed Journal)

- II. **Matematiksel Modelleme ve İnovatif Okuryazarlık İlişkisinin İncelenmesi**

KARA S., DEMİR B., YAZICI C.

İstanbul Aydin Üniversitesi Eğitim Fakültesi Dergisi, 2023 (Peer-Reviewed Journal)

- III. **Stability in Retarded Functional Equations**

Yazıcı C., Yeniçerioğlu A. F.

Konuralp Journal of Mathematics, vol.10, no.1, pp.108-111, 2022 (Peer-Reviewed Journal)

- IV. Stability Behaviour in Functional Differential Equations of the Neutral Type**  
 YENİÇERİOĞLU A. F., YAZICI C., YAZICI V.  
 Universal Journal of Mathematics and Applications, vol.4, no.1, pp.33-40, 2021 (Scopus)
- V. STABILITY CRITERIA FOR RETARDED FUNCTIONAL DIFFERENTIAL EQUATIONS**  
 Yeniçerioğlu A. F., Yazıcı C.  
 ESKİŞEHİR TEKNİK ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ- TEORİK BİLİMLER, vol.8, no.2, pp.212-222, 2020 (Peer-Reviewed Journal)
- VI. Stability in first order delay integro-differential equations**  
 Yeniçerioğlu A. F., Yazıcı C.  
 Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.2, pp.660-668, 2020 (Peer-Reviewed Journal)
- VII. Makine öğrenmesi algoritmaları ve dalgacık dönüşümü ile EKG sinyalinden özellik çıkarımı**  
 Kodal Sevindir H., Çetinkaya S., Yazıcı C.  
 Journal of Balikesir University Institute of Science and Technology, vol.20, no.1, pp.94-109, 2018 (Peer-Reviewed Journal)
- VIII. Asymptotic Analysis of an Affine Transformation in the Supply of Missing Data**  
 Kodal Sevindir H., Yazıcı C., Çetinkaya S.  
 SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.22, no.6, 2018 (Peer-Reviewed Journal)
- IX. On The Stability of Third Order Linear Autonomous Neutral Delay Differential Equations**  
 Yeniçerioğlu A. F., Yazıcı C.  
 academic journal of applied mathematical sciences, vol.3, no.3, pp.21-39, 2017 (Peer-Reviewed Journal)
- X. Examining the Factors Affecting the Selection of Mathematics Profession A Case Study**  
 KODAL SEVİNDİR H., YAZICI C.  
 Procedia - Social and Behavioral Sciences, vol.152, pp.642-647, 2014 (Peer-Reviewed Journal)
- XI. Mathematics Anxiety of Secondary School Students A Case Study for Kocaeli Area**  
 KODAL SEVİNDİR H., YAZICI C.  
 Procedia - Social and Behavioral Sciences, vol.152, pp.630-636, 2014 (Peer-Reviewed Journal)
- XII. A Study on Physical Exercise Habit**  
 Kodal Sevindir H., Yazıcı C., Çetinkaya S.  
 Procedia - Social and Behavioral Sciences, vol.152, pp.648-652, 2014 (Peer-Reviewed Journal)
- XIII. Mathematics Anxiety A Case Study for Kocaeli University**  
 KODAL SEVİNDİR H., YAZICI C.  
 Procedia - Social and Behavioral Sciences,, vol.152, pp.637-641, 2014 (Peer-Reviewed Journal)
- XIV. Spectral Analysis Of EEG Signals By Using Wavelet And Harmonic Transforms**  
 SIDDIQI A. B. H., KODAL SEVİNDİR H., YAZICI C., KUTLU A., ASLAN Z.  
 İstanbul Aydin Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2012 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. Algorithmic Approaches for ECG Analysis**  
 KODAL SEVİNDİR H., YAZICI C., ÇETINKAYA S.  
 in: Mathematical Modeling of Real World Problems: Interdisciplinary Studies in Applied Mathematics, , Editor,  
 NOVA Science Publishers, pp.143-197, 2019
- II. RELEVANCE OF WAVELETS AND INVERSE PROBLEMS TO BRAIN**  
 Siddiqi A. H., Kodal Sevindir H., Aslan Z., Yazıcı C.  
 in: MATHEMATICS IN SCIENCE AND TECHNOLOGY Mathematical Methods Models and Algorithms in Science and  
 Technology, A.H.SIDDIQI,R.C.SINGH,P.MANCHANDA, Editor, World Scientific Publishing , Singapore, pp.402-429,  
 2011

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Matematik Öğretmen Adaylarının Okul Dışı Öğrenme Kavramına Yönelik Bilişsel Yapılarının Kelime İlişkilendirme Testi ile İncelenmesi**  
ARI A. A., YAZICI C., DEMİR B.  
6th International Symposium on Turkish Computer and Mathematics Education (TURCOMAT-6), October 28-30, 2023, 28 October 2023
- II. **On the Behaviors of Solutions in Linear Nonhomogeneous Delay Differential Equations with Periodic Coefficients**  
Yeniçerioğlu A. F., Yazıcı C.  
7 th International Conference of Mathematical Sciences (ICMS 2023), İstanbul, Turkey, 5 - 09 July 2023, pp.58-59
- III. **MATEMATİK ÖĞRETMEN ADAYLARININ ÜSTÜN YETENEKLİ ÖĞRENCİLERİN EĞİTİMİNE İLİŞKİN ÖZYETERLİK ALGILARININ İNCELENMESİ**  
DEMİR B., YAZICI C., turgut ç.  
10.ULUSLARARASI MARMARA FEN VE SOSYAL BİLİMLER KONGRESİ, Kocaeli, Turkey, 10 June 2023
- IV. **İLKOĞRETİM MATEMATİK ÖĞRETMENİ ADAYLARININ İNOVATİF OKURYAZARLIKLARININ BELİRLENMESİ**  
KARA S., DEMİR B., YAZICI C.  
International Marmara Social Sciences Congress, Kocaeli, Turkey, 09 December 2022
- V. **MATEMATİK ÖĞRETMEN ADAYLARININ OKUL DIŞI ÖĞRENME ORTAMLARINA YÖNELİK GÖRÜŞLERİ**  
Taşın Yalçın Ö., Arı A. A., Yazıcı C.  
International Marmara Social Sciences Congress, Kocaeli, Turkey, 13 - 14 May 2022, pp.1-3
- VI. **Asymptotic behavior of solutions and stability properties for a linear neutral delay differential equation with constant impulsive jumps**  
Yazıcı C., Yeniçerioğlu A. F.  
The 11th International Conference on Image Processing, Wavelet and Applications (IWW2021), İstanbul, Turkey, 23 - 24 June 2021, pp.13
- VII. **MISCONCEPTIONS IN PRIMARY MATHEMATICS EDUCATION**  
Özdemir Fincan K., Yazıcı C.  
International Marmara Social Sciences Congress (Spring) 2021, Kocaeli, Turkey, 21 - 22 May 2021, pp.34
- VIII. **METHODOLOGICAL INVESTIGATION OF GRADUATE THESES AT THE SECONDARY SCHOOL LEVEL IN THE FIELDS OF DATA PROCESSING AND PROBABILITY LEARNING**  
Dinç S., Yazıcı C.  
International Marmara Sciences Congress (Spring) 2021, Kocaeli, Turkey, 21 - 22 May 2021, pp.84
- IX. **CEBİR ÖĞRENME ALANINDA PROBLEME DAYALI ÖĞRENME MODELİNİN ÖĞRENCİLERİN AKADEMİK BAŞARILARINA ETKİSİNİN İNCELENMESİ**  
Özdemir Fincan K., Dinç S., Yazıcı C.  
International Marmara Social Sciences Congress (Imascon 2020 – Autumn), Kocaeli, Turkey, 4 - 05 December 2020, pp.2-3
- X. **STABILITY IN RETARDED FUNCTIONALEQUATIONS**  
YAZICI C., YENİÇERİOĞLU A. F.  
10TH INTERNATIONAL CONFERENCE ON IMAGE PROCESSING,WAVELET AND APPLICATIONS, 18 - 20 October 2019
- XI. **ON THE BEHAVIOR OF THE SOLUTIONS FOR FIRST ORDERDELAY INTEGRO-DIFFERENTIAL EQUATIONS**  
YENİÇERİOĞLU A. F., YAZICI C.  
10TH INTERNATIONAL CONFERENCE ON IMAGE PROCESSING,WAVELET AND APPLICATIONS, 18 - 20 October 2019
- XII. **On the Behavior of Solutions of Second Order Linear Autonomous Delay Differential Equations**  
YENİÇERİOĞLU A. F., YAZICI C.  
INTERNATIONAL CONFERENCE ON MATHEMATICS "An Istanbul Meeting for World Mathematicians"

- Minisymposium on Approximation Theory Minisymposium on Math Education., İstanbul, Turkey, 3 - 06 July 2018,  
pp.1-5
- XIII. **A Result on the Behavior of Solutions of Third Order Linear Delay Differential Equations**  
YENİÇERİOĞLU A. F., YAZICI C.  
INTERNATIONAL CONFERENCE ON MATHEMATICS "An Istanbul Meeting for World Mathematicians"  
Minisymposium on Approximation Theory Minisymposium on Math Education., İstanbul, Turkey, 3 - 06 July 2018,  
pp.309-313
- XIV. **On Applications of Multidimensional Affine Transform in the Supply of Missing Data**  
Yazıcı C., Çetinkaya S., Kodal Sevindir H.  
The International Conference on Analysis and its Applications, Kırşehir, Turkey, 11 - 14 September 2018, pp.1-6
- XV. **QRS Detection via Machine Learning Algorithms (Özet)**  
Kodal Sevindir H., Çetinkaya S., Yazıcı C.  
International Conference on Mathematics: An Istanbul Meeting for World Mathematicians, İstanbul, Turkey, 3 - 06  
July 2018
- XVI. **On The Behavior Of Solutions In MixedDifferential Equations With Delays And Advances**  
YENİÇERİOĞLU A. F., YAZICI C.  
InternationalConference On Mathematics ?an Istanbul Meeting For World Mathematicians, 3 - 06 July 2018
- XVII. **Comparison of Kernel Functions in Arrhythmia Classification**  
Çetinkaya S., Kodal Sevindir H., Yazıcı C.  
International Conference on Mathematics: An Istanbul Meeting For World Mathematicians, İstanbul, Turkey, 3 - 06  
July 2018, pp.256-261
- XVIII. **On The Stability In Functional DifferentialEquations Of Neutral Type**  
YENİÇERİOĞLU A. F., YAZICI C.  
International Conference OnMathematics ?an Istanbul Meeting For World Mathematicians, 3 - 06 July 2018
- XIX. **On Wavelet Selection for Inpainting Problem (Özet)**  
Yazıcı C., Kodal Sevindir H., Çetinkaya S.  
International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Turkey, 20 - 24 June 2018
- XX. **Decision Tree Based ArrhythmiaClassification (Özet)**  
Çetinkaya S., Kodal Sevindir H., Yazıcı C.  
International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Turkey, 20 - 24 June 2018
- XXI. **Examining Of The Effect Of React Strategy OnConceptual Knowledge Of Secondary School 7th Grade  
Students**  
ERÇOBAN M., YAZICI C.  
International Conference On Mathmetical Advances And Its Applications, 11 - 13 May 2018
- XXII. **Comparison among Wavelets for Preprocessing of ECG Signal (Özet)**  
Kodal Sevindir H., Çetinkaya S., Yazıcı C.  
9th International Conference on Image Processing, Wavelet and Applications, Kars, Turkey, 5 - 08 November 2017
- XXIII. **On Applications of Image Inpainting with Elliptic Masking for Medical Images (Özet)**  
Kodal Sevindir H., Yazıcı C., Çetinkaya S.  
9th International Conference on Image Processing, Wavelet and Applications, Kars, Turkey, 5 - 08 November 2017
- XXIV. **ON THE STABILITY OF RETARDED FUNCTIONAL DIFFERENTIAL EQUATIONS**  
YENİÇERİOĞLU A. F., YAZICI C.  
9th International Conference on Image Processing, Wavelet and Applications, Kars, Turkey, 5 - 08 November 2017
- XXV. **Image Inpainting Asymptotic Analysis for Horizontal Mask (Özet)**  
Kodal Sevindir H., Yazıcı C., Çetinkaya S.  
International Conference on Applied Analysis and Mathematical Modeling ICAAMM17, İstanbul, Turkey, 3 - 07 July  
2017
- XXVI. **On Choosing a Suitable Wavelet for ECG Artefact Reduction (Özet)**  
Kodal Sevindir H., Çetinkaya S., Yazıcı C.  
International Conference on Applied Analysis and Mathematical Modeling ICAAMM17, İstanbul, Turkey, 3 - 07 July  
2017

- XXVII. **On Problems of ECG Feature Extraction (Özet)**  
Kodal Sevindir H., Çetinkaya S., Yazıcı C.  
International Conference on Applied Analysis and Mathematical Modeling ICAAMM17, İstanbul, Turkey, 3 - 07 July 2017
- XXVIII. **Image Inpainting by Shearlets and Wavelets via Elliptic Masking (Özet)**  
Kodal Sevindir H., Yazıcı C., Çetinkaya S.  
International Conference on Applied Analysis and Mathematical Modeling ICAAMM17, İstanbul, Turkey, 3 - 07 July 2017
- XXIX. **QRS Detection Based on Wavelet Transform (Özet)**  
Kodal Sevindir H., Çetinkaya S., Yazıcı C.  
The 8th International conference on Image Processing, Wavelet and Applications (IWW2016), İstanbul, Turkey, 22 - 24 September 2016
- XXX. **Colour Visual Cryptography Based on Discrete Wavelet Transform (Özet)**  
Kodal Sevindir H., Yazıcı C., Çetinkaya S.  
8th International conference on Image Processing, Wavelet and Applications (IWW2016), İstanbul, Turkey, 22 - 24 September 2016
- XXXI. **Image Inpainting by Shearlets and Wavelets (Özet)**  
Kodal Sevindir H., Yazıcı C.  
Applied Mathematics & Approximation Theory - AMAT 2015, Ankara, Turkey, 28 - 31 May 2015
- XXXII. **Image Inpainting by Shearlets and Wavelets H Kodal Sevindir**  
KODAL SEVİNDİR H., YAZICI C.  
3rd International Conference on Applied Mathematics and Approximation Theory, 28 - 31 May 2015
- XXXIII. **A Study on Physical Exercise Habit**  
Kodal Sevindir H., Yazıcı C., Çetinkaya S.  
Educational Researches and Publications Associations Congress, İstanbul, Turkey, 6 - 08 June 2014
- XXXIV. **Matematik Eğitiminde Çabalayarak Öğrenenler ve Onların Bazı Karakteristik Özellikleri**  
KÜÇÜK A., ARI A. A., YAZICI C.  
23. ULUSAL EĞİTİM BİLİMLERİ KURULTAYI, Kocaeli, Turkey, 4 - 06 September 2014
- XXXV. **Mathematics anxiety: A case study for Kocaeli University**  
Kodal Sevindir H., Yazıcı C., Yazici V.  
ERPA International Congress on Education (ERPA), İstanbul, Turkey, 6 - 08 June 2014, vol.152, pp.637-641
- XXXVI. **Mathematics anxiety of secondary school students: A case study for Kocaeli area**  
Kodal Sevindir H., Yazıcı C., Yazici V.  
ERPA International Congress on Education (ERPA), İstanbul, Turkey, 6 - 08 June 2014, vol.152, pp.630-636
- XXXVII. **Examining the factors affecting the selection of mathematics profession: A case study**  
Kodal Sevindir H., Yazıcı C.  
ERPA International Congress on Education (ERPA), İstanbul, Turkey, 6 - 08 June 2014, vol.152, pp.642-647
- XXXVIII. **An image denoising application using shearlets**  
Sevindir H., Yazıcı C.  
11th International Conference of Numerical Analysis and Applied Mathematics 2013, ICNAAM 2013, Rhodes, Greece, 21 - 27 September 2013, vol.1558, pp.2478-2481
- XXXIX. **A correction for computing matrix-valued Nevanlinna-Pick interpolation problem**  
Yazıcı C., Sevindir H.  
11th International Conference of Numerical Analysis and Applied Mathematics 2013, ICNAAM 2013, Rhodes, Greece, 21 - 27 September 2013, vol.1558, pp.2474-2477
- XL. **On analysis of electroencephalogram by multiresolution-based energetic approach**  
Kodal Sevindir H., Yazıcı C., Siddiqi A., Aslan Z.  
11th International Conference of Numerical Analysis and Applied Mathematics 2013, ICNAAM 2013, Rhodes, Greece, 21 - 27 September 2013, vol.1558, pp.2482-2485
- XLI. **A Study on Secondary School Students Mathematics Anxiety in Terms of Demographic Factors (Özet)**  
Kodal Sevindir H., Yazıcı C., Budak H., Meral T.

- 6th International Image Processing and Wavelet on Real World Applications Conference (IWW 2012), İstanbul, Turkey, 28 - 29 September 2012
- XLII. **On Analysis of Brain Signals Using Wavelet Transform (Özet)**  
Kodal Sevindir H., Yazıcı C.  
XXIII. Ulusal Matematik Sempozyumu, Kayseri, Turkey, 4 - 07 August 2010, pp.164
- XLIII. **An Effective Algorithm for Matrix Valued Interpolation Problem**  
Kodal Sevindir H., Yazıcı C.  
4th International Workshop On Applications of Wavelets to Real World Problems , Kocaeli, Turkey, 29 - 30 May 2009, pp.276-297
- XLIV. **On Displacement Operator Approach for Superfast Algorithm Design**  
Kodal Sevindir H., Yazıcı C.  
The 6th International Symposium on Intelligent and Manufacturing Systems, Sakarya, Turkey, 8 - 10 October 2008, pp.278-288
- XLV. **Yapılı Matrisler için Yer Değiştirme Operatörleri (Özet)**  
Kodal Sevindir H., Yazıcı C.  
III. Ankara Matematik Günleri Sempozyumu, Ankara, Turkey, 22 - 23 May 2008

## Activities in Scientific Journals

Kocaeli Üniversitesi Eğitim Dergisi (Online), Publication Committee Member, 2018 - 2021

## Scientific Refereeing

Batı Anadolu Eğitim Bilimleri Dergisi(BAEBD), National Scientific Refreed Journal, January 2023

Batı Anadolu Eğitim Bilimleri Dergisi(BAEBD), National Scientific Refreed Journal, December 2022

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, National Scientific Refreed Journal, December 2021

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, National Scientific Refreed Journal, November 2021

SAKARYA UNIVERSITY JOURNAL OF EDUCATION, National Scientific Refreed Journal, November 2021

Kocaeli Üniversitesi Eğitim Dergisi (Online), National Scientific Refreed Journal, July 2020

Project Supported by Higher Education Institutions, BAP Infrastructure, Kocaeli University, Turkey, May 2020

HACETTEPE ÜNİVERSİTESİ EĞİTİM FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal, October 2016

## Metrics

Publication: 64

Citation (WoS): 3

Citation (Scopus): 3

H-Index (WoS): 1

H-Index (Scopus): 1

## Non Academic Experience

ABİDİN PAK İLKÖĞRETİM OKULU