

## Prof. MURAT CANDAN

### Personal Information

Office Phone: [+90 422 377 3612](tel:+904223773612)

Email: [murat.candan@inonu.edu.tr](mailto:murat.candan@inonu.edu.tr)

Web: <https://avesis.inonu.edu.tr/murat.candan>

### Education

Doctorate, Inonu University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1999 - 2006

Postgraduate, Inonu University, Fen-Edebiyat Fakültesi, Matematik, Turkey 1996 - 1999

Undergraduate, Inonu University, Fen-Edebiyat Fakültesi, Matematik, Turkey 1993 - 1996

### Research Areas

Sequences, Series, Summability, Functional Analysis

### Academic Positions

Professor, Inonu University, Fen-Edebiyat Fakültesi, Matematik, 2024 - Continues

Associate Professor, Inonu University, Fen-Edebiyat Fakültesi, Matematik, 2018 - 2024

Assistant Professor, Inonu University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2018 - 2018

Assistant Professor, Inonu University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2010 - 2018

Lecturer PhD, Inonu University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2006 - 2010

Research Assistant, Inonu University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 1998 - 2006

### Courses

#### Undergraduate

Dizi Analizi, Undergraduate, 2017-2018

Lebesgue İntegral Kuramı, Undergraduate, 2017-2018

Analiz, Undergraduate, 2017-2018

Genel Matematik, Undergraduate, 2016-2017

Analiz, Undergraduate, 2016-2017

Lebesgue İntegral Kuramı, Undergraduate, 2016-2017

Dizi Analizi, Undergraduate, 2016-2017

LEBESQUE İNTEGRAL KURAMI, Undergraduate, 2015-2016

ANALİZ, Undergraduate, 2015-2016

GENEL MATEMATİK, Undergraduate, 2015-2016

LEBESQUE İNTEGRAL KURAMI, Undergraduate, 2014-2015

Genel Matematik, Undergraduate, 2014-2015

REEL ANALİZ, Undergraduate, 2014-2015

LEBESQUE İNTEGRAL KURAMI, Undergraduate, 2013-2014

GENEL MATEMATİK, Undergraduate, 2013-2014

REEL ANALİZ, Undergraduate, 2013-2014  
GENEL MATEMATİK, Undergraduate, 2012-2013  
ÖLÇÜM, Undergraduate, 2012-2013  
FONKSİYONEL ANALİZ, Undergraduate, 2012-2013  
ANALİZ, Undergraduate, 2011-2012  
GENEL MATEMATİK, Undergraduate, 2011-2012  
ÖLÇÜM, Undergraduate, 2011-2012  
GENEL MATEMATİK, Undergraduate, 2010-2011  
Analiz III, Undergraduate, 2010-2011  
ÖLÇÜM, Undergraduate, 2010-2011  
ÖLÇÜM, Undergraduate, 2009-2010  
Matematik Analizi, Undergraduate, 2009-2010  
GENEL MATEMATİK, Undergraduate, 2009-2010

#### **Undergraduate Double Major**

Matris Analizi, Undergraduate Double Major, 2017-2018  
Regüler Matris Dönüşümleri, Undergraduate Double Major, 2017-2018  
REGÜLER MATRİS DÖNÜŞÜMLERİ, Undergraduate Double Major, 2016-2017  
Matris Analizi, Undergraduate Double Major, 2016-2017  
MATRİS ANALİZİ, Undergraduate Double Major, 2015-2016  
Matris Analizi, Undergraduate Double Major, 2014-2015  
MATRİS ANALİZİ, Undergraduate Double Major, 2013-2014  
REGÜLER MATRİS DÖNÜŞÜMLERİ, Undergraduate Double Major, 2013-2014  
Dizi Uzayları, Undergraduate Double Major, 2012-2013  
MATRİS aNALİZİ, Undergraduate Double Major, 2012-2013  
MATRİS aNALİZİ, Undergraduate Double Major, 2011-2012  
MATRİS aNALİZİ, Undergraduate Double Major, 2010-2011  
REGÜLER MATRİS DÖNÜŞÜMLERİ, Undergraduate Double Major, 2010-2011  
MATRİS ANALİZİ, Undergraduate Double Major, 2009-2010

#### **Undergraduate Minor**

MATRİSLERLE TANIMLANAN YENİ DİZİ UZAYLARI, Undergraduate Minor, 2014-2015  
MATRİSLERLE TANIMLANAN YENİ DİZİ UZAYLARI, Undergraduate Minor, 2013-2014  
Matrislerle Tanımlanan Yeni Dizi Uzayları, Undergraduate Minor, 2012-2013

### **Supervised Theses**

Candan M., Bazı dizi uzaylarında dizisel çift band matrisinin etki alanı, Postgraduate, M.AKDOĞAN(Student), 2022  
Candan M., Fibonacci ağırlıklı fark dizi uzayı, Postgraduate, S.YALÇIN(Student), 2022  
Candan M., Mutlak olmayan tipten  $\ell_p$  dizi uzayı ve bazı geometrik özellikleri, Postgraduate, A.AKAR(Student), 2019  
CANDAN M., Mutlak olmayan tipten bazı dizi uzaylarının belirli cebirsel ve topolojik özellikleri, Postgraduate, P.SALMAN(Student), 2016  
CANDAN M., Bazı vektör-değerli Orlicz dizi uzayları üzerindeki operatörler, Postgraduate, A.KEMAL(Student), 2013

### **Journal articles indexed in SCI, SSCI, and AHCI**

- I. **Some Characteristics of Matrix Operators on Generalized Fibonacci Weighted Difference Sequence Space**  
CANDAN M.  
SYMMETRY-BASEL, vol.14, no.7, 2022 (SCI-Expanded)

- II. **Paranormed Sequence Space of Non-absolute Type Founded Using Generalized Difference Matrix**  
CANDAN M., Gunes A.  
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES INDIA SECTION A-PHYSICAL SCIENCES, vol.85, no.2, pp.269-276, 2015 (SCI-Expanded)
- III. **Domain of the double sequential band matrix in the spaces of convergent and null sequences**  
Candan M.  
ADVANCES IN DIFFERENCE EQUATIONS, 2014 (SCI-Expanded)
- IV. **ALMOST CONVERGENCE AND DOUBLE SEQUENTIAL BAND MATRIX**  
Candan M.  
ACTA MATHEMATICA SCIENTIA, vol.34, no.2, pp.354-366, 2014 (SCI-Expanded)
- V. **Domain of the double sequential band matrix in the classical sequence spaces**  
Candan M.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A Robust Approach About Compact Operators on Some Generalized Fibonacci Difference Sequence Spaces**  
candan m.  
Fundamentals of contemporary mathematical sciences (Online), vol.5, no.1, pp.48-59, 2024 (Peer-Reviewed Journal)
- II. **A Novel Generalized Difference Spaces Constructed by the Modulus Function**  
CANDAN M., SOLAK İ.  
Konuralp Journal of Mathematics, vol.6, no.1, pp.17-25, 2018 (Peer-Reviewed Journal)
- III. **A New Outlook for Almost Convergent Sequence Spaces**  
CANDAN M.  
Cumhuriyet Science Journal, vol.39, no.1, pp.34-46, 2018 (Peer-Reviewed Journal)
- IV. **A Novel Layout for Almost Convergent Sequence Spaces**  
CANDAN M., KILINÇ G.  
Scholars Journal of Research in mathematics and Computer Science, vol.2, no.1, pp.100-108, 2017 (Peer-Reviewed Journal)
- V. **A different approach for almost sequence spaces defined by a generalized weighted means**  
KILINÇ G., CANDAN M.  
Sakarya University Journal of Science, vol.21, no.6, pp.1529-1536, 2017 (Peer-Reviewed Journal)
- VI. **SOME GENERALIZED FIBONACCI DIFFERENCE SPACES DEFINED BY A SEQUENCE OF MODULUS FUNCTIONS**  
KILINÇ G., CANDAN M.  
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.32, no.1, pp.95-115, 2017 (ESCI)
- VII. **A new perspective on paranormed Riesz sequence space of non absolute type**  
CANDAN M.  
Global Journal of Mathematical Analysis, vol.3, no.4, pp.150-163, 2015 (Peer-Reviewed Journal)
- VIII. **A different look for paranormed Riesz sequence space of derived by Fibonacci Matrix**  
CANDAN M., KILINÇ G.  
Konuralp J. Math, vol.3, no.2, pp.62-76, 2015 (Peer-Reviewed Journal)
- IX. **Vector valued Orlicz sequence space generilazed with an infinite matrix and some of its specific characteristics**  
CANDAN M.  
Gen. Math. Notes, vol.29, no.2, pp.1-16, 2015 (Peer-Reviewed Journal)
- X. **A New Approach on the Spaces of Generalized Fibonacci Difference Null and Convergent Sequences**  
CANDAN M.

Mathematica Aeterna, vol.5, no.1, pp.191-210, 2015 (Peer-Reviewed Journal)

- XI. **Almost Convergent Sequence Space Derived by Generalized Fibonacci Matrix and Fibonacci Core**  
CANDAN M., KUDDUSİ K.  
Brithish J. Math. Comput. Sci, vol.7, no.2, pp.150-167, 2015 (Peer-Reviewed Journal)
- XII. **A study on topological and geometrical characteristics of new Banach sequence spaces**  
CANDAN M., KARA E. E.  
Gulf J. Math, vol.3, no.4, pp.67-84, 2015 (Peer-Reviewed Journal)
- XIII. **Some new Sequence Spaces Derived from the Spaces of Bounded Convergent and Null Sequences**  
CANDAN M.  
International Journal of Modern Mathematical Sciences, vol.2014, no.12, pp.74-87, 2014 (Peer-Reviewed Journal)
- XIV. **A New Sequence Space Isomorphic to the Space  $l(p)$  and Compact Operators**  
CANDAN M.  
J. Math. Comput. Sci., vol.4, no.2, pp.306-334, 2014 (Peer-Reviewed Journal)
- XV. **Vector Valued FK Spaces Defined by a Modulus Function and an Infinite Matrix**  
CANDAN M.  
THAI JOURNAL OF MATHEMATICS, vol.12, no.1, pp.155-165, 2014 (Scopus)
- XVI. **Some New Sequence Spaces Defined by a Modulus Function and an Infinite Matrix in a Seminormed Space**  
CANDAN M.  
Journal of Mathematical Analysis, no.3, pp.1-9, 2012 (ESCI)
- XVII. **On New Difference Sequence Spaces Generated By Infinite Matrices**  
CANDAN M., SOLAK İ.  
International Journal of Science and Tecnology, vol.1, no.1, pp.15-17, 2006 (Peer-Reviewed Journal)
- XVIII. **On Some Difference Sequence Spaces Generated By Infinite Matrices**  
CANDAN M., SOLAK İ.  
International Journal of Pure and Applied Mathematics, vol.25, no.1, pp.79-85, 2005 (Peer-Reviewed Journal)
- XIX. **Operators on Some Vector Valued Orlicz Sequence Spaces**  
YILMAZ Y., ÖZDEMİR M. K., SOLAK İ., CANDAN M.  
Fırat Üniversitesi Fen Bilimleri Enstitüsü, Fen ve Mühendislik Bilimleri Dergisi, vol.17, no.1, pp.1-9, 2005 (Peer-Reviewed Journal)

## **Papers Presented at Peer-Reviewed Scientific Conferences**

- I. **A Novel Layout for Almost Convergent Sequence Spaces**  
CANDAN M., KILINÇ G.  
International Conference On mathematics and Mathematics Education, 11 - 13 May 2017, (Summary Text)
- II. **A Novel Layout for Almost Convergent Sequence Spaces**  
CANDAN M., KILINÇ G.  
ICMME-2017, 11 - 13 May 2017, (Summary Text)
- III. **A different approach for almost sequence spaces defined by a generalized weighted means**  
KILINÇ G., CANDAN M.  
ICANAS 2017, 18 - 21 April 2017, (Summary Text)
- IV. **A new approach on the spaces of generalized fibonacci difference null and convergent sequences**  
CANDAN M.  
5th international eurasian conference on mathematical science and applications, 16 - 19 August 2016, (Summary Text)
- V. **some generalized fibonacci difference spaces defined by a sequence of modulus functions**  
KILINÇ G., CANDAN M.  
international conference on mathematics and mathematics education, 12 - 14 May 2016, (Summary Text)
- VI. **A NEW PERSPECTIVE ON PARANORMED RIESZ SEQUENCE SPACE OF NON ABSOLUTE TYPE**

CANDAN M.

4-th INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, 31 August - 02 September 2015, (Summary Text)

VII. **A NEW OUTLOOK TO PARANORMED SEQUENCE SPACE DERIVED BY GENERALIZED FIBONACCI MATRIX**

CANDAN M.

INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELLING, 8 - 12 June 2015, (Summary Text)

VIII. **A Deeper Look Sequence Spaces Derived by using a Generalized Weighted Mean and Fibonacci Matrix**

CANDAN M.

INTERNATIONAL CONFERENCE ON APPLIED ANALAYSIS AND MATHEMATICAL MODELLING, 8 - 12 June 2015, (Summary Text)

IX. **Paranormed sequence space of non-absolute type founded using generalized difference matrix**

CANDAN M.

ICAAM 2014 Second International Conference on Analysis and Applied Mathematics, 11 - 13 September 2014, (Summary Text)

X. **Domain of The Double Sequential Band Matrix in the Spaces of Convergent and Null Sequences**

CANDAN M.

Algerian-Türkish International Days on Mathematics, 12 - 14 September 2013, (Summary Text)

XI. **Some New Sequence Spaces Derived from the Spaces of Bounded, Convergent and Null Sequences**

CANDAN M.

IECMSA-2013, 2-nd International Euroasian Conference on Mathematical Sciences and Applications, 26 - 29 August 2013, (Summary Text)

XII. **A New Sequence Space Isomorphic to the Space  $l(p)$  and Compact Operators**

CANDAN M.

IECMSA-2013, 2-nd International Euroasian Conference on Mathematical Sciences and Applications, 26 - 29 August 2013, (Summary Text)

XIII. **Almost Convergence and Generalized Double Sequential Band Matrix**

CANDAN M.

IECMSA-2012, 1-st International eurasian Conference on Mathematical Sciences and Applications, 3 - 07 September 2012, (Summary Text)

XIV. **Some Structural Properties of Vector Valued Orlicz Sequence Space Generalized by an Infinite Matrix**

CANDAN M.

IECMSA-2012, 1-st International eurasian Conference on Mathematical Sciences and Application, 3 - 07 September 2012, (Summary Text)

XV. **Vector-valued FK-spaces Defined by a Modulus Function and Infinite Matrix**

CANDAN M.

International Conference on Applied Analysis and Algebra, 20 - 24 June 2012, (Summary Text)

XVI. **Modülüs Fonksiyonu Yardımıyla Tanımlanmış Delta-r-fark Dizi uzayları**

CANDAN M.

XXIV. Ulusal Matematik Sempozyumu, Turkey, 7 - 10 September 2011, (Summary Text)

XVII. **Some New Sequence Spaces Defined by Modulus Function**

CANDAN M.

International Conference on Applied Analysis and Algebra, 29 June - 02 July 2011, (Summary Text)

## Metrics

Publication: 41

Citation (WoS): 117

Citation (Scopus): 54

H-Index (WoS): 6

H-Index (Scopus): 4

## **Non Academic Experience**

İnönü Üniversitesi, Öğretim Üyesi