

# Prof. ABDULCABBAR SÖNMEZ

## Personal Information

**Office Phone:** [+90 352 207 6666](tel:+903522076666) Extension: 33217

**Email:** [sonmez@erciyes.edu.tr](mailto:sonmez@erciyes.edu.tr)

**Web:** <https://avesis.erciyes.edu.tr/sonmez/>

**Address:** Erciyes Üniversitesi Fen Fak.Matematik Bölümü, 38039/Kayseri

## International Researcher IDs

ORCID: 0000-0003-2142-0736

Yoksis Researcher ID: 25329

## Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, --, Turkey 1994 - 1998

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, --, Turkey 1992 - 1994

Undergraduate, Erciyes University, Fen Fakültesi, Matematik, Turkey 1988 - 1992

## Foreign Languages

English, B1 Intermediate

## Certificates, Courses and Trainings

Quality Management, Ölçme Değerlendirme Eğiticilerin Eğitimi Çalıştayı, Erciyes Üniversitesi, 2017

## Dissertations

Doctorate, On The Absolute Riesz and Nörlund Summability of Orthogonal and Infinite series , Erciyes University, Fen Bilimleri Enstitüsü, --, 1998

Postgraduate, Local Property of Absolute Summability Methods, Erciyes University, Fen Bilimleri Enstitüsü, --, 1994

## Research Areas

Mathematics, Sequences, Series, Summability, Functional Analysis, Natural Sciences

## Academic Titles / Tasks

Professor, Erciyes University, Fen Fakültesi, Matematik, 2020 - Continues

Associate Professor, Erciyes University, Fen Fakültesi, Matematik, 2014 - 2020

Assistant Professor, Erciyes University, Fen Fakültesi, Matematik, 2001 - 2014

## Academic and Administrative Experience

Erciyes Üniversitesi, Fen Edebiyat Fak, Matematik, 2000 - 2007  
Erciyes University, 2000 - 2007

## Courses

SPECIAL FIELD COURSE , Postgraduate, 2018 - 2019  
Tez Çalışması, Postgraduate, 2018 - 2019  
Mathematics I, Undergraduate, 2018 - 2019  
Analysis I, Undergraduate, 2018 - 2019  
Functional Analysis, Postgraduate, 2018 - 2019  
Engineering Mathematics, Undergraduate, 2018 - 2019  
Analizde Seçme Konular, Undergraduate, 2018 - 2019  
Bitirme Tezi , Undergraduate, 2018 - 2019  
Engineering Mathematics, Undergraduate, 2018 - 2019

## Advising Theses

Sönmez A., AĞIRLIKLI ORTALAMALAR VE DÖRTLÜ BAND MATRİSİNİN KOMPOZİSYONU İLE TÜRETİLENBAZI DİZİ UZAYLARI, Postgraduate, C.TÜRKOĞLU(Student), 2022  
Sönmez A., Binomial ve fark matrisleri yardımıyla tanımlı dizi uzayları, Postgraduate, E.KARAKUŞ(Student), 2018  
Sönmez A., Bazı dizi uzaylarında matris dönüşümleri ve kompakt operatörler, Postgraduate, H.AYDIN(Student), 2016  
Sönmez A., Mutlak olmayan tipten bazı dizi uzayları ve matris dönüşümleri, Postgraduate, H.AYKUT(Student), 2015  
Sönmez A., Bazı yeni dizi uzayları ve topolojik özellikleri, Doctorate, M.CEMİL(Student), 2014  
Sönmez A., Üçlü band matrisinin etki alanları yardımıyla tanımlanan bazı yeni dizi uzayları, Postgraduate, S.İLOĞLU(Student), 2012  
Sönmez A., Konik metrik uzaylar ve bu uzaylarda sabit nokta teoremleri, Postgraduate, M.CEMİL(Student), 2010  
Sönmez A., Cauchy serileri ile normlu uzayların bazı karakterizasyonları, Postgraduate, L.CONA(Student), 2009  
Sönmez A., Vektör değerli dizi uzaylarında matris dönüşümleri ve dualleri, Postgraduate, S.KIRMIZITAŞ(Student), 2008  
Sönmez A., Modülüs ve Orlicz fonksiyonları yardımıyla tanımlı dizi uzayları, Postgraduate, Ö.BAYSAL(Student), 2007

## Jury Memberships

Doctorate, Doctorate, Erciyes Üniversitesi, December, 2022  
Post Graduate, Post Graduate, Erciyes Üniversitesi, July, 2022  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul, June, 2022  
Post Graduate, Post Graduate, Mersin Üniversitesi, July, 2021  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Erciyes Üniversitesi, October, 2020  
Post Graduate, Post Graduate, Erciyes Üniversitesi, September, 2020  
Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, June, 2020

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

- SOME NEW SEQUENCE SPACES DERIVED BY THE COMPOSITION OF BINOMIAL MATRIX AND DOUBLE BAND MATRIX**  
SÖNMEZ A.

JOURNAL OF APPLIED ANALYSIS AND COMPUTATION, vol.9, no.1, pp.231-244, 2019 (SCI-Expanded)

- II. **Two new sequence spaces generated by the composition of  $m$ th order generalized difference matrix and lambda matrix**

Bişgin M. C., SÖNMEZ A.

JOURNAL OF INEQUALITIES AND APPLICATIONS, 2014 (SCI-Expanded)

- III. **Almost convergence and triple band matrix**

Sonmez A.

MATHEMATICAL AND COMPUTER MODELLING, vol.57, pp.2393-2402, 2013 (SCI-Expanded)

- IV. **Generalized Difference Spaces of Non-Absolute Type of Convergent and Null Sequences**

SÖNMEZ A., Basar F.

ABSTRACT AND APPLIED ANALYSIS, 2012 (SCI-Expanded)

- V. **Some new sequence spaces derived by the domain of the triple band matrix**

Sonmez A.

COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.62, no.2, pp.641-650, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Compactness of quadruple band matrix operator and geometric properties**

Bişgin M. C., Sönmez A.

Annales Universitatis Paedagogicae Cracoviensis Studia Mathematica, vol.21, no.21, pp.17-32, 2022 (ESCI)

- II. **Some Notes on the New Sequence Space  $bprs(D)$**

SÖNMEZ A.

Gazi University Journal of Science, vol.33, no.2, pp.476-490, 2020 (ESCI)

- III. **On The Absolute Riesz Summability of Orthogonal Series**

Sönmez A.

International Journal of Pure and Applied Mathematics, no.48, pp.75-81, 2008 (Peer-Reviewed Journal)

- IV. **On The Absolute Nörlund Summability Of Orthogonal Series**

Sönmez A.

Tamkang Journal of Mathematics, no.29, pp.245-247, 1998 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Some new sequence spaces derived by the composition of weighted mean and quadruple band matrix**

TÜRKOĞLU C., SÖNMEZ A.

ICPAM-VAN 2022, Van, Turkey, 22 June 2022

- II. **Quadruple Band Matrix And Almost Convergence**

SÖNMEZ A., BİŞGİN M. C.

International Conference On Mathematics And Mathematics Education, Konya, Turkey, 11 - 13 July 2019

- III. **Dörtlü Band Matrisi Ve Dizi Uzayları**

BİŞGİN M. C., SÖNMEZ A.

14. Ankara Matematik Günleri (AMG 2019), Gazi Üniversitesi, Turkey, 28 - 29 June 2019

- IV. **On Some Generalized Binomial Sequence Spaces**

Bişgin M. C., Sönmez A.

II. INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS, Nevşehir, Turkey, 5 - 08 July 2018

- V. **A New Sequence Space Derived By The Composition Of Binomial Matrix And Triple Band Matrix Related To  $l_p$  Spaces**

Sönmez A., Bişgin M. C.

II. INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS, Nevşehir, Turkey, 5 - 08 July 2018

- VI. **Some notes on the sequence spaces generated by triple band matrix**  
Sönmez A.  
International Conference of Applied Sciences, Engineering and Mathematics, 5 - 07 May 2017, Ohrid, Macedonia, 5 - 07 May 2017
- VII. **Three New Sequence Spaces Derived By the Composition of Binomial Matrix and Generalized Difference Matrix**  
Sönmez A., Bişgin M. C.  
International Conference of Applied Sciences, Engineering and Mathematics, Ohrid, Macedonia, 5 - 07 May 2017
- VIII. **SOME NOTES ON THE SEQUENCE SPACES  $lp\lambda Gm$  AND  $l\infty\lambda Gm$  ....**  
Sönmez A., Bişgin M. C.  
2 nd International Conference on Analysis and Its Applications, Kırşehir, Turkey, 12 - 15 July 2016

## Supported Projects

Sönmez A., TUBITAK Project, Compact Operators On The Sequence Spaces Obtained By The Domain Of Quadruple Band Matrix , 2019 - 2020

SÖNMEZ A., KIRMIZITAŞ S., Project Supported by Higher Education Institutions, VEKTÖR- DEĞERLİ DİZİ UZAYLARINDA MATRİS DÖNÜŞÜMLERİ VE DUALLERİ, 2007 - 2009

## Scientific Refereeing

Gazi University Journal of Science, Journal Indexed in ESCI, November 2018

Turkish Journal of Mathematics and Computer Science, Other Indexed Journal, August 2017

Journal of Mathematical Analysis, SCI Journal, September 2014

The Annals of Functional Analysis, Other journals, December 2012

Journal of Inequalities and Applications, SCI Journal, December 2012

Miskolc Mathematical Notes, Other Indexed Journal, November 2012

Computers and Mathematics with Applications, SCI Journal, March 2011

## Metrics

Publication: 18

Citation (WoS): 63

Citation (Scopus): 20

H-Index (WoS): 3

H-Index (Scopus): 2

## Congress and Symposium Activities

International Conference on Mathematics and Mathematics Education, Working Group, Konya, Turkey, 2019

14. Ankara Matematik Günleri, Working Group, Ankara, Turkey, 2019

2. International Scientific and Vocational Studies Congress, Working Group, Nevşehir, Turkey, 2018

International Conference on Applied Sciences, Engineering and Mathematics, Working Group, Ohrid, Macedonia, 2017

2. International Conference on Analysis and Its Applications, Working Group, Kırşehir, Turkey, 2016

7. Ankara Matematik Günleri, AMG 2012, Attendee, Bilkent Üniversitesi, Ankara, 31 Mayıs-01 Haziran, 2012, Turkey, 2012

6. Ankara Matematik Günleri, AMG 2011., Attendee, Hacettepe Üniversitesi, Ankara, 02-03 Haziran, 2011, Turkey, 2011

International Conference On Applied Analysis and Algebra, Attendee, Yıldız Technical University- İstanbul, Turkey, 2011

Conference on Summability and Applications 2011", Attendee, İstanbul Commerce University, May 12-13, İstanbul ,Turkey ,2011. , Turkey, 2011

Üye, XXIII Ulusal Matematik Sempozyumu, Düzenleme Kurulu, 4-7-Ağustos, Kayseri, 2010., Attendee, Erciyes Üniversitesi Kayseri. , Turkey, 2010

International Conference of Mathematical Sciences, Attendee, Maltepe Üniv. İstanbul, Turkey, 2009

Summer Seminars on Probabilistic Method in Summability Theory, Ankara Üniversitesi, 22-26 Ağustos, 2006, Attendee, Ankara Üniversitesi Fen Fak.Matematik Böl. Ankara, Turkey, 2006

International Workshop on Sequence spaces and Applications,, Attendee, Ankara Üniversitesi-Ankara, Turkey, 1998