

# Prof. ABDULCABBAR SÖNMEZ

## Personal Information

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

## 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, Matematik, 2014 - 2020

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

## Academic and Administrative Experience

Erciyes Üniversitesi, Fen Edebiyat Fak, Matematik, 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., 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

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

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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 (Journal Indexed in SCI)
- II. **Two new sequence spaces generated by the composition of mth order generalized difference matrix and lambda matrix**  
Bisgin M. C. , SÖNMEZ A.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2014 (Journal Indexed in SCI)
- III. **Almost convergence and triple band matrix**  
Sonmez A.  
MATHEMATICAL AND COMPUTER MODELLING, vol.57, pp.2393-2402, 2013 (Journal Indexed in SCI)
- IV. **Generalized Difference Spaces of Non-Absolute Type of Convergent and Null Sequences**  
SÖNMEZ A., Basar F.  
ABSTRACT AND APPLIED ANALYSIS, 2012 (Journal Indexed in SCI)
- V. **Some new sequence spaces derived by the domain of the triple band matrix**  
Sonmez A.

## Articles Published in Other Journals

- I. **Some Notes on the New Sequence Space  $bpr,s(D)$**   
Sönmez A.  
Gazi University Journal of Science, vol.33, no.2, pp.476-490, 2020 (Journal Indexed in ESCI)
- II. **On The Absolute Riesz Summability of Orthogonal Series**  
Sönmez A.  
International Journal of Pure and Applied Mathematics, no.48, pp.75-81, 2008 (Refereed Journals of Other Institutions)
- III. **On The Absolute Nörlund Summability Of Orthogonal Series**  
Sönmez A.  
Tamkang Journal of Mathematics, no.29, pp.245-247, 1998 (Journal Indexed in ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Quadruple Band Matrix And Almost Convergence**  
SÖNMEZ A., BIŞGIN M. C.  
International Conference On Mathematics And Mathematics Education, Konya, Turkey, 11 - 13 July 2019
- II. **Dörtlü Band Matrisi Ve Dizi Uzayları**  
BIŞGIN M. C. , SÖNMEZ A.  
14. Ankara Matematik Günleri (AMG 2019), Gazi Üniversitesi, Turkey, 28 - 29 June 2019
- III. **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
- 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. **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
- VI. **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
- VII. **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  
Journal of Inequalities and Applications, SCI Journal, December 2012  
The Annals of Functional Analysis, Other journals, December 2012  
Miskolc Mathematical Notes, Other Indexed Journal, November 2012  
Computers and Mathematics with Applications, SCI Journal, March 2011

## Edit 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

## Citations

Total Citations (WOS):54

h-index (WOS):3