

## Prof. MUSTAFA YILDIRIM

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-8880-5457

Yoksis Researcher ID: 59829

### Education Information

Doctorate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 1990 - 1994

Postgraduate, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, Turkey 1988 - 1990

Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 1982 - 1987

### Foreign Languages

English, B2 Upper Intermediate

### Academic Titles / Tasks

Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2019 - Continues

Associate Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2013 - 2019

Assistant Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 1994 - 2013

Research Assistant, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), 1990 - 1994

Research Assistant, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 1988 - 1990

### Academic and Administrative Experience

Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1994 - Continues

Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1996 - 1998

### Courses

Fonksiyonel Analiz - I, Undergraduate, 2019 - 2020

Fonksiyonel Analiz - I, Undergraduate, 2019 - 2020

Bitirme Ödevi/Tezi, Undergraduate, 2019 - 2020

Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020

Uzmanlık Alan Dersi, Doctorate, 2019 - 2020

Fonksiyonel Analiz - II, Undergraduate, 2018 - 2019

Fonksiyonel Analiz - II, Undergraduate, 2018 - 2019

Genel Matematik - II, Undergraduate, 2018 - 2019

Seminer Dersi, Postgraduate, 2019 - 2020

İstatistiksel Yakınsaklık I, Postgraduate, 2018 - 2019  
Dizi Uzayları ve Toplanabilme Teorisi, Postgraduate, 2019 - 2020  
Mühendislik Matematiği, Undergraduate, 2018 - 2019  
Analiz - III, Undergraduate, 2019 - 2020  
İraksal Seriler, Doctorate, 2018 - 2019  
İstatistiksel Yakınlık II, Postgraduate, 2019 - 2020  
İleri Fonksiyonel Analiz-I, Postgraduate, 2019 - 2020  
Analiz - II, Undergraduate, 2017 - 2018  
Genel Matematik - I, Undergraduate, 2017 - 2018  
Analiz - III, Undergraduate, 2018 - 2019  
Analizin Seçmeli Konuları, Undergraduate, 2018 - 2019  
Analizin Seçmeli Konuları, Undergraduate, 2018 - 2019  
Analiz - II, Undergraduate, 2017 - 2018  
Dizi Uzayları ve Toplanabilme Teorisi-II, Postgraduate, 2016 - 2017  
Analiz - I, Undergraduate, 2017 - 2018  
Seminer Dersi, Doctorate, 2016 - 2017  
Bergman Uzayları, Doctorate, 2016 - 2017  
Analiz - IV, Undergraduate, 2016 - 2017  
Yüksek Matematik, Undergraduate, 2016 - 2017  
Genel Matematik - II, Undergraduate, 2016 - 2017  
Analiz - IV, Undergraduate, 2016 - 2017  
Genel Matematik - II, Undergraduate, 2016 - 2017  
Genel Matematik - I, Undergraduate, 2016 - 2017  
Genel Matematik - II, Undergraduate, 2015 - 2016  
Genel Matematik - I, Undergraduate, 2016 - 2017  
H-P Uzaylarına Giriş, Doctorate, 2016 - 2017  
Kompleks Değişkenli Fonks. - II, Undergraduate, 2014 - 2015  
İleri Fonksiyonel Analiz-II, Postgraduate, 2014 - 2015  
Kompleks Değişkenli Fonks. - II, Undergraduate, 2014 - 2015  
Dizi Uzayları ve Toplanabilme Teorisi I, Postgraduate, 2015 - 2016  
Genel Matematik - I, Undergraduate, 2015 - 2016  
Kompleks Değişkenli Fonks. - I, Undergraduate, 2014 - 2015  
Türk Dili - II, Associate Degree, 2013 - 2014  
Türkçe - II:Sözlü Anlatım, Undergraduate, 2013 - 2014  
Türk Dili - II, Undergraduate, 2013 - 2014  
Kompleks Değişkenli Fonks. - I, Undergraduate, 2014 - 2015  
Türk Dili - I, Associate Degree, 2013 - 2014  
Türk Dili - I, Associate Degree, 2013 - 2014  
Analiz - I, Undergraduate, 2013 - 2014  
Bitirme Ödevi/Tezi, Undergraduate, 2012 - 2013  
Diferansiyel Denklemler, Undergraduate, 2011 - 2012  
Diferansiyel Denk., Undergraduate, 2011 - 2012  
Diferansiyel Denklemler, Undergraduate, 2011 - 2012  
Yöneylemler ve Dizeler, Undergraduate, 2009 - 2010  
Fonksiyonel Analiz II, Undergraduate, 2009 - 2010  
Yöneylemler ve Dizeler, Undergraduate, 2009 - 2010  
Analiz IV, Undergraduate, 2009 - 2010  
Fonksiyonel Analiz I, Undergraduate, 2009 - 2010  
Fonksiyonel Analiz II, Undergraduate, 2009 - 2010  
Yüksek Matematik, Undergraduate, 2010 - 2011  
Mühendislik Matematiği, Undergraduate, 2010 - 2011

Fonksiyonel Analiz I, Undergraduate, 2009 - 2010  
Analiz IV, Undergraduate, 2009 - 2010  
Temel Matematik I, Undergraduate, 2009 - 2010  
Analiz-II, Undergraduate, 2009 - 2010  
Analiz III, Undergraduate, 2009 - 2010  
Analiz III, Undergraduate, 2009 - 2010  
Analiz-I, Undergraduate, 2008 - 2009  
Analiz II, Undergraduate, 2006 - 2007  
Analiz II, Undergraduate, 2006 - 2007  
Analiz I, Undergraduate, 2006 - 2007  
Analiz I, Undergraduate, 2006 - 2007  
Diferansiyel Denklemler Ve Lineer Cebir, Undergraduate, 2005 - 2006  
Diferansiyel Denklemler, Undergraduate, 2005 - 2006  
Genel Matematik - II, Undergraduate, 2003 - 2004  
Genel Matematik - I, Undergraduate, 2003 - 2004

## Advising Theses

YILDIRIM M., Genelleştirilmiş Rhaly Cesaro matrisinin  $c_0$  ve  $c$  üzerindeki spektrumu, fine spektrumu ve ayırık olmayan spektrumu, Postgraduate, Ç.DOĞAN(Student), 2018  
YILDIRIM M., Kaba istatistiksel yakınsaklık ve kaba ideal yakınsaklık, Postgraduate, S.ÖZBEK(Student), 2016  
YILDIRIM M., Çarpım matrislerinin  $L_p$  üzerindeki spektrumu, Postgraduate, F.KAYALI(Student), 2015  
YILDIRIM M., Fonksiyonel analizde kaba yakınsaklık, Postgraduate, K.KAYNAK(Student), 2015  
YILDIRIM M., Çift indisli dizilerin istatistiksel yakınsaklığı ve uygulamaları, Postgraduate, F.DİNÇER(Student), 2014  
YILDIRIM M., İdealler yardımı ile genelleştirilmiş istatistiksel yakınsaklık ve uygulamaları, Doctorate, C.BELEN(Student), 2012  
YILDIRIM M., Genelleştirilmiş Rhaly matrislerinin cebirsel ve spektral özellikleri, Doctorate, N.DURNA(Student), 2011  
YILDIRIM M., Hausdorff matrislerinin özellikleri, spektrumu ve  $M$  tipliliği, Postgraduate, İ.KARAHAN(Student), 2011  
YILDIRIM M., İstatistiksel yakınsaklık, fuzzy istatistiksel yakınsaklık ve Core teoremleri üzerine, Postgraduate, C.BELEN(Student), 2007  
YILDIRIM M., Hausdorff operatörünün spektrumu üzerine, Postgraduate, N.DURNA(Student), 2005  
YILDIRIM M., Fourier serilerinin ve orthogonal serilerin toplanabilirliği üzerine, Postgraduate, F.KARAKUŞ(Student), 2004  
YILDIRIM M., İstatistiksel yakınsaklık, Postgraduate, K.GÖKÇEN(Student), 2002  
YILDIRIM M., Fourier serilerinin toplanabilirliği üzerine, Postgraduate, B.KESKİN(Student), 2000

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

- I. **On Statistical and Strong Convergence with Respect to a Modulus Function and a Power Series Method**  
Belen C., YILDIRIM M., Sumbul C.  
FILOMAT, vol.34, no.12, pp.3981-3993, 2020 (SCI-Expanded)
- II. **THE SPECTRUM AND FINE SPECTRUM OF GENERALIZED RHALY-CESARO MATRICES ON  $c(0)$  AND  $c$**   
YILDIRIM M., Mursaleen M., Dogan C.  
OPERATORS AND MATRICES, vol.12, no.4, pp.955-975, 2018 (SCI-Expanded)
- III. **The spectrum and some subdivisions of the spectrum of discrete generalized Cesaro operators on  $l(p)$  ( $1 < p < \infty$ )**  
Yıldırım M., Durna N.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2017 (SCI-Expanded)

- IV. **GENERALIZED TERRACED MATRICES**  
 DURNA N., YILDIRIM M.  
 MISKOLC MATHEMATICAL NOTES, vol.17, no.1, pp.201-208, 2016 (SCI-Expanded)
- V. **Generalized statistical convergence and some sequence spaces in 2-normed spaces**  
 BELEN C., YILDIRIM M.  
 HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.44, no.3, pp.513-519, 2015 (SCI-Expanded)
- VI. **GENERALIZED A-STATISTICAL CONVERGENCE AND A KOROVKIN TYPE APPROXIMATION THEOREM FOR DOUBLE SEQUENCES**  
 BELEN C., YILDIRIM M.  
 MISKOLC MATHEMATICAL NOTES, vol.14, no.1, pp.31-39, 2013 (SCI-Expanded)
- VII. **STATISTICAL A-SUMMABILITY OF DOUBLE SEQUENCES AND A KOROVKIN TYPE APPROXIMATION THEOREM**  
 BELEN C., Mursaleen M., YILDIRIM M.  
 BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, vol.49, no.4, pp.851-861, 2012 (SCI-Expanded)
- VIII. **Spectra and fine spectra for factorable matrices**  
 Rhoades B., Yildirim A.  
 INTEGRAL EQUATIONS AND OPERATOR THEORY, vol.53, no.1, pp.127-144, 2005 (SCI-Expanded)
- IX. **On the spectrum and fine spectrum of the compact Rhaly operators**  
 Yildirim M.  
 INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.34, no.10, pp.1443-1452, 2003 (SCI-Expanded)
- X. **On the spectrum of the Rhaly operators on  $l(p)$**   
 Yildirim M.  
 INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.32, no.2, pp.191-198, 2001 (SCI-Expanded)
- XI. **On the spectrum of the Rhaly operators on  $c(0)$  and  $c$**   
 Yildirim M.  
 INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.29, no.12, pp.1301-1309, 1998 (SCI-Expanded)
- XII. **On the spectrum and fine spectrum of the compact Rhaly operators**  
 Yildirim M.  
 INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.27, no.8, pp.779-784, 1996 (SCI-Expanded)

### Articles Published in Other Journals

- I. **On statistical limit points with respect to power series methods and modulus functions**  
 SÜMBÜL C., Belen C., YILDIRIM M.  
 Communications Faculty of Sciences University of Ankara Series A1: Mathematics and Statistics, vol.72, no.2, pp.438-448, 2023 (Peer-Reviewed Journal)
- II. **On the fine spectra of the Jacobi matrices on  $c_0, c, l_p$  ( $1 \leq p \leq \infty$ ) and  $[bv]_p$  ( $1 \leq p < \infty$ )**  
 DURNA N., YILDIRIM M., KILIÇ A.  
 Cumhuriyet Science Journal, vol.42, no.3, pp.677-687, 2021 (Peer-Reviewed Journal)
- III. **ON THE SPECTRUM AND HILBERT SCHIMIDT PROPERTIES OF GENERALIZED RHALY MATRICES**  
 Mursaleen M., YILDIRIM M., DURNA N.  
 COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.68, no.1, pp.712-723, 2019 (ESCI)
- IV. **Partition of the spectra for the generalized difference operator  $B(r,s)$  on the sequence space  $cs$**   
 DURNA N., YILDIRIM M., KILIÇ R.  
 Cumhuriyet Science Journal, vol.39, no.1, pp.7-15, 2018 (Peer-Reviewed Journal)
- V. **On the fine spectrum of generalized lower triangular double band matrices  $D_{uv}$  over the sequence space  $c_0$**   
 DURNA N., YILDIRIM M., Ünal Ç.  
 Cumhuriyet University Faculty of Science Science Journal, vol.37, no.3, pp.281-291, 2016 (Peer-Reviewed Journal)

- VI. **On Some New Sequence Spaces and Statistical Convergence Methods for Double Sequences**  
BELEN C., YILDIRIM M.  
DEMONSTRATIO MATHEMATICA, vol.47, no.3, pp.627-637, 2014 (Scopus)
- VII. **Topological results about the set of generalized Rhaly matrices**  
DURNA N., YILDIRIM M.  
General Mathematical Notes, vol.17, no.1, pp.1-7, 2013 (Peer-Reviewed Journal)
- VIII. **Subdivision of the spectra for difference operator over certain sequence spaces**  
BAŞAR F., DURNA N., YILDIRIM M.  
MALAYSIAN JOURNAL OF MATHEMATICAL SCIENCES, vol.6, pp.151-165, 2012 (Scopus)
- IX. **On generalized statistical convergence of double sequences via ideals**  
BELEN C., YILDIRIM M.  
Annali dell'Universita di Ferrara, vol.58, no.1, pp.11-20, 2012 (Scopus)
- X. **Subdivision of the spectra for factorable matrices on  $c_0$**   
DURNA N., YILDIRIM M.  
Gazi University Journal of Science, vol.24, no.1, pp.45-49, 2011 (Scopus)
- XI. **On  $N_{p,q} C_1$  Summability of The Sequence  $nB_n x$**   
KARAKUŞ F., YILDIRIM M.  
E-Journal of New World Sciences Academy, vol.4, no.4, pp.117-123, 2009 (Peer-Reviewed Journal)
- XII. **The Almost  $(C,1)(E,1)$  Summability of a Fourier Series and its Conjugate Series**  
YILDIRIM M., KARAKUŞ F.  
Bull. Cal. Math. Soc., vol.98, no.4, pp.285-294, 2006 (Peer-Reviewed Journal)
- XIII. **The Almost  $C_1 E_1$  Summability of A Fourier Series and Its Conjugate Series**  
YILDIRIM M., KARAKUŞ F.  
Bull. Cal. Math. Soc., vol.98, no.4, pp.285-294, 2006 (Peer-Reviewed Journal)
- XIV. **On the Degree of Approximation to a Function Belonging to the Weighted  $L_{p, \lambda}$  Class by  $N_{p,q} E_1$  Means**  
YILDIRIM M., KARAKUŞ F.  
East Asian mathematical journal, vol.20, pp.1-9, 2004 (Peer-Reviewed Journal)
- XV. **On The Degree of Approximation to a Function Belonging to The Weighted  $L_p$  Class By  $N_{p,q} E_1$  Means**  
YILDIRIM M., KARAKUŞ F.  
East Asian Math. J., vol.20, no.1, pp.11-19, 2004 (Peer-Reviewed Journal)
- XVI. **On the Fine Spectrum of the Rhaly Operators on  $l_p$**   
YILDIRIM M.  
East Asian mathematical journal, vol.20, pp.149-156, 2004 (Peer-Reviewed Journal)
- XVII. **On the Spectrum of the Rhaly Operators on  $bv_0$**   
YILDIRIM M.  
Communications of the Korean Mathematical Society, vol.18, pp.669-676, 2003 (ESCI)
- XVIII. **On the Spectrum of the Rhaly Operators on  $bv$**   
YILDIRIM M.  
East Asian mathematical journal, vol.18, pp.21-41, 2002 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Subdivision of the spectra of the generalized difference operator  $B(r,s)$  on the sequence space  $cs$**   
DURNA N., YILDIRIM M.  
International Conference on Mathematics and Mathematics Educations (ICMME-2018), 27 - 29 July 2018
- II. **The Disjoint Spectrum of the Weighted mean, Cesaro and Rhaly operators Various Sequence Spaces**  
YILDIRIM M., DURNA N.  
International Conference on Mathematics and Mathematics Educations (ICMME-2018), 27 - 29 July 2018

- III. **International Conference on Mathematics and Mathematics Educations (ICMME-2018)**  
 DURNA N., YILDIRIM M.  
 On the fine spectra of the Jacobi matrix over certain sequence spaces, 27 - 29 July 2018
- IV. **The Lower and Upper Bounds of discrete generalized Cesarooperators and its fine Spectrum on  $l_p$  ( $1 < p < \infty$ )**  
 YILDIRIM M., DURNA N., Karadaş Ö.  
 International Conference on Mathematics and Mathematics Educations (ICMME-2018), 27 - 29 July 2018
- V. **On the fine spectra of the Jacobi matrix over certain sequence spaces**  
 DURNA N., YILDIRIM M.  
 International Conference on Mathematics and Mathematics Educations (ICMME-2018), 27 - 29 June 2018
- VI. **THE SPECTRUM OF DISCRETE GENERALIZED CESARO OPERATORS ON  $(1 < p < \infty)$ .**  
 YILDIRIM M., DURNA N.  
 3. international conference on computational mathematics and engineering sciences-cmes 2018, 4 - 06 May 2018
- VII. **The lower bounds of some summability methods**  
 YILDIRIM M., DURNA N., Karadaş Ö.  
 The Third International Conference on Computational Mathematics and Engineering Sciences, 4 - 06 May 2018
- VIII. **The spectra for Cesaro type on  $c$ ,  $c_0$  and  $l_r$  ( $1 < p < \infty$ )**  
 YILDIRIM M.  
 2 nd international Science Semposium Science festival, 5 - 08 September 2017
- IX. **On spectral separation of infinite matrices over some sequence spaces**  
 YILDIRIM M., DURNA N.  
 International Conference on Mathematics and Mathematics Education 2017, 11 - 13 May 2017
- X. **Subdivisions of the spectra for compact Cesaro type operator on  $\ell_r$  ( $1 < p < \infty$ ).**  
 YILDIRIM M., DURNA N.  
 International Conference on Mathematics and Mathematics Education 2017, 11 - 13 May 2017
- XI. **On the fine spectrum of generalized Cesaro operators**  
 YILDIRIM M., Doğan Ç.  
 International conference on mathematics and mathematics education, 12 - 14 May 2016
- XII. **On the spectrum of Generalized Cesaro operators**  
 Doğan Ç., YILDIRIM M.  
 International conference on mathematics and mathematics education, 12 - 14 May 2016
- XIII. **Jacobi Matrislerinin Sınırlılığı ve Spektral Ayrışımı**  
 DURNA N., Kılıç A., YILDIRIM M.  
 10. Ankara Matematik Günleri, Turkey, 11 - 12 June 2015
- XIV. **Subdivisions of the spectra for generalized difference operator  $\Delta_n$  on the sequence space  $\ell_1$**   
 Başar F., DURNA N., YILDIRIM M.  
 International Conference on Mathematical Science, ICMS, Bolu, Turkey, 23 - 27 November 2010, vol.1309, pp.254-260
- XV. **Subdivisions of the spectra for Generalized difference operator  $\Delta_n$  on the sequence space  $l_1$**   
 YILDIRIM M., DURNA N., BAŞAR F.  
 AIP Conference Proceedings, 23 - 27 November 2010, vol.1309, pp.254-260
- XVI. **SUBDIVISIONS OF THE SPECTRA FOR GENERALIZED DIFFERENCE OPERATOR  $C_n$  ON THE SEQUENCE SPACE  $l_1$**   
 Basar F., DURNA N., YILDIRIM M.  
 International Conference on Mathematical Sciences, Bolu, Turkey, 23 - 27 November 2010, vol.1309, pp.254-256
- XVII. **ROCKFALL HAZARD MAPPING USING GIS SOFTWARE: AN APPLICATION IN A SELECTED AREA FROM SEBINKARAHISAR (GİRESUN-TURKEY)**  
 YILMAZ I., KESKİN İ., YILDIRIM M., Civelekoglu B.  
 8th International Scientific Conference on Modern Management of Mine Producing, Geology and Environmental Protection, Sofija, Bulgaria, 16 - 20 June 2008, pp.467

## Supported Projects

Durna N., Yıldırım M., Project Supported by Higher Education Institutions, Genelleştirilmiş Rhaly Matrislerinin Cebirsel ve Spektral Özellikleri, 2009 - 2011

## Metrics

Publication: 57

Citation (WoS): 159

Citation (Scopus): 146

H-Index (WoS): 8

H-Index (Scopus): 8