

## **Prof. SELMA GÜLYAZ ÖZYURT**

### **Personal Information**

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### **International Researcher IDs**

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ScopusID: 15837090700

Yoksis Researcher ID: 30640

### **Education Information**

Doctorate, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, Turkey 1997 - 2003

Postgraduate, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, Turkey 1994 - 1996

Undergraduate, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, Turkey 1989 - 1993

### **Dissertations**

Doctorate, II. mertebeden regüler singüleriteye sahip diferensiyel operatörler için ters (inverse) problemler, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2003

Postgraduate, İnvolüsyonlu halkalarda türevler, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1996

### **Research Areas**

Mathematics, Natural Sciences

### **Academic Titles / Tasks**

Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2021 - Continues

Associate Professor, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2016 - 2021

Lecturer, Sivas Cumhuriyet University, Cumhuriyet Sosyal Bilimler Meslek Yüksekokulu, Cumhuriyet Myo, 2005 - 2005

Assistant Professor, Ondokuz Mayıs University, Faculty Of Education, Department Of Mathematics And Science Teaching, 2004 - 2005

Lecturer, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2003 - 2004

Research Assistant, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 1994 - 2003

### **Academic and Administrative Experience**

Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2010 - Continues

Head of Department, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2016 - 2019

Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2007 - 2018

Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2013 - 2016

## Courses

Özel Fonks. Ve Dönüşümler - II, Undergraduate, 2018 - 2019  
Özel Fonks. Ve Dönüşümler - I, Undergraduate, 2019 - 2020  
Diferansiyel Denklemler, Undergraduate, 2018 - 2019  
Diferansiyel Denklemler - I, Undergraduate, 2019 - 2020  
Strum-Liouville Operatörler İçin Ters Problemler, Postgraduate, 2018 - 2019  
Özel Fonks. Ve Dönüşümler - II, Undergraduate, 2018 - 2019  
Öğretmenlik Uygulaması, Undergraduate, 2019 - 2020  
Sturm Liouville Operatörler İçin Düz Problem, Postgraduate, 2018 - 2019  
Analiz III, Undergraduate, 2019 - 2020  
Diferansiyel Denklemler I, Undergraduate, 2018 - 2019  
Vektörel Analiz, Undergraduate, 2017 - 2018  
Uzmanlık Alan Dersi, Postgraduate, 2018 - 2019  
Bilgisayar Destekli Lineer Cebir, Undergraduate, 2017 - 2018  
Vektörel Analiz, Undergraduate, 2017 - 2018  
Diferansiyel Denklemler, Undergraduate, 2017 - 2018  
Diferansiyel Denklemler I, Undergraduate, 2018 - 2019  
Genel Matematik - II, Undergraduate, 2017 - 2018  
Bitirme Ödevi/Tezi, Undergraduate, 2018 - 2019  
Özel Fonks. Ve Dönüşümler - I, Undergraduate, 2018 - 2019  
Diferansiyel Denklemler, Undergraduate, 2017 - 2018  
Yüksek Matematik, Undergraduate, 2018 - 2019  
Diferansiyel Denklemler II, Undergraduate, 2016 - 2017  
Kısmi Diferansiyel Denklemler - I, Undergraduate, 2016 - 2017  
Diferansiyel Denklemler, Undergraduate, 2016 - 2017  
Kısmi Diferansiyel Denklemler - II, Undergraduate, 2016 - 2017  
Kısmi Diferansiyel Denklemler - II, Undergraduate, 2016 - 2017  
Kısmi Diferansiyel Denklemler - I, Undergraduate, 2016 - 2017  
Diferansiyel Denklemler II, Undergraduate, 2015 - 2016  
Bilgisayar Destekli Lineer Cebir, Undergraduate, 2015 - 2016  
Kompleks Değişkenli Fonks. - II, Undergraduate, 2016 - 2017  
Seminer Dersi, Doctorate, 2015 - 2016  
Kompleks Değişkenli Fonks. - II, Undergraduate, 2016 - 2017  
Analiz III, Undergraduate, 2016 - 2017  
Diferansiyel Denklemler - II, Undergraduate, 2014 - 2015  
Seminer Dersi, Postgraduate, 2015 - 2016  
Sabit Nokta Teorisi ve Uyg., Doctorate, 2014 - 2015  
Kompleks Değişkenli Fonks. - I, Undergraduate, 2015 - 2016  
Bitirme Ödevi/Tezi, Undergraduate, 2015 - 2016  
Diferansiyel Denklemler - II, Undergraduate, 2015 - 2016  
Diferansiyel Denklemler, Undergraduate, 2015 - 2016  
Kompleks Değişkenli Fonks. - I, Undergraduate, 2015 - 2016  
Diferansiyel Denklemler - I, Undergraduate, 2014 - 2015  
Lineer Cebir II, Undergraduate, 2012 - 2013  
Lineer Cebir II, Undergraduate, 2012 - 2013  
Lineer Cebir II, Undergraduate, 2012 - 2013  
Analiz IV, Undergraduate, 2011 - 2012

Analiz IV, Undergraduate, 2011 - 2012  
Lineer Cebir I, Undergraduate, 2012 - 2013  
Analiz III, Undergraduate, 2011 - 2012  
Analiz III, Undergraduate, 2011 - 2012  
Lineer Cebir II, Undergraduate, 2011 - 2012  
Kısmi Türevli Dif. Denk., Undergraduate, 2011 - 2012  
Genel Matematik - II, Undergraduate, 2009 - 2010  
Mühendislik Matematiği, Undergraduate, 2009 - 2010  
Genel Matematik - I, Undergraduate, 2008 - 2009  
Diferansiyel Denklemler, Undergraduate, 2008 - 2009  
Mühendislik Matematiği, Undergraduate, 2008 - 2009  
Kısmi Diferansiyel Denklemler, Undergraduate, 2008 - 2009  
Genel Matematik - I, Undergraduate, 2007 - 2008  
Kısmi Diferansiyel Denklemler, Undergraduate, 2007 - 2008  
Diferansiyel Denklemler, Undergraduate, 2007 - 2008  
Diferansiyel Denklemler II, Undergraduate, 2006 - 2007  
Diferansiyel Denklemler II, Undergraduate, 2006 - 2007  
Diferansiyel Denk., Undergraduate, 2006 - 2007  
Matematik, Associate Degree, 2005 - 2006  
Matematik, Associate Degree, 2005 - 2006  
Diferansiyel Denklemler I, Undergraduate, 2006 - 2007  
Matematik, Associate Degree, 2005 - 2006  
Kısmi Türevli Dif. Denk., Undergraduate, 2006 - 2007  
Matematik, Associate Degree, 2005 - 2006  
Diferansiyel Denklemler I, Undergraduate, 2006 - 2007  
Diferansiyel Denk., Undergraduate, 2004 - 2005  
Analiz-II, Undergraduate, 2004 - 2005  
Diferansiyel Denklemler, Undergraduate, 2003 - 2004  
Temel Matematik, Undergraduate, 2003 - 2004

## Advising Theses

GÜLYAZ ÖZYURT S., Süreksizlik koşullarına sahip Sturm-Liouville operatörleri için spektral problemler, Postgraduate, S.KAPLAN(Student), 2009

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

- I. On extremal solutions of weighted fractional hybrid differential equations  
Benyoub M., GÜLYAZ ÖZYURT S.  
Filomat, vol.38, no.6, pp.2091-2107, 2024 (SCI-Expanded)
- II. Terminal value problem for neutral fractional functional differential equations with Hilfer-Katugampola fractional derivative  
Bouriah S., Benchohra M., Özyurt S.  
Filomat, vol.37, no.21, pp.7131-7147, 2023 (SCI-Expanded)
- III. BEST PROXIMITY POINT RESULTS FOR Gamma CLASS OF MAPPINGS  
Sakthi R., GÜLYAZ ÖZYURT S., Karpagam S.

- JOURNAL OF NONLINEAR AND CONVEX ANALYSIS, vol.23, no.7, pp.1399-1407, 2022 (SCI-Expanded)
- IV. Estimates of Classes of Generalized Special Functions and Their Application in the Fractional (k, s)-Calculus Theory**  
 Chandak S., Suthar D. L., AL-Omari S., Gulyaz-Ozyurt S.  
 JOURNAL OF FUNCTION SPACES, vol.2021, 2021 (SCI-Expanded)
- V. Fixed Points of Proinov E-Contractions**  
 Alghamdi M. A., GÜLYAZ ÖZYURT S., Fulga A.  
 SYMMETRY-BASEL, vol.13, no.6, 2021 (SCI-Expanded)
- VI. An Attractive Approach Associated with Transform Functions for Solving Certain Fractional Swift-Hohenberg Equation**  
 Alaroud M., Tahat N., Al-Omari S., Suthar D., GÜLYAZ ÖZYURT S.  
 Journal of Function Spaces, vol.2021, 2021 (SCI-Expanded)
- VII. A Note on Extended Z-Contraction**  
 Alghamdi M. A., GÜLYAZ ÖZYURT S., Karapinar E.  
 MATHEMATICS, vol.8, no.2, 2020 (SCI-Expanded)
- VIII. Iterative Contraction at a Point via Wardowski Function**  
 Fulga A., Gulyaz-Ozyurt S., Ozturk A.  
 FILOMAT, vol.34, no.11, pp.3801-3813, 2020 (SCI-Expanded)
- IX. Generalized alpha -Meir-Keeler Contraction Mappings on Branciari b-metric Spaces**  
 GÜLYAZ S., KARAPINAR E., ERHAN İ.  
 FILOMAT, vol.31, no.17, pp.5445-5456, 2017 (SCI-Expanded)
- X. An Ulam stability result on quasi-b-metric-like spaces**  
 Alsulami H. H., GÜLYAZ S., KARAPINAR E., ERHAN İ.  
 OPEN MATHEMATICS, vol.14, pp.1087-1103, 2016 (SCI-Expanded)
- XI. FIXED POINTS OF alpha - psi CONTRACTION MAPPINGS ON QUASI-b-METRIC-LIKE SPACES**  
 GÜLYAZ S.  
 JOURNAL OF NONLINEAR AND CONVEX ANALYSIS, vol.17, no.7, pp.1439-1447, 2016 (SCI-Expanded)
- XII. Fixed points of alpha-admissible Meir-Keeler contraction mappings on quasi-metric spaces**  
 Alsulami H. H., GÜLYAZ S., ERHAN İ.  
 JOURNAL OF INEQUALITIES AND APPLICATIONS, 2015 (SCI-Expanded)
- XIII. Existence of solutions of integral equations via fixed point theorems**  
 GÜLYAZ S., ERHAN İ.  
 JOURNAL OF INEQUALITIES AND APPLICATIONS, 2014 (SCI-Expanded)
- XIV. Fixed Point Theorems for a Class of alpha-Admissible Contractions and Applications to Boundary Value Problem**  
 Alsulami H. H., GÜLYAZ S., Karapinar E., ERHAN İ.  
 ABSTRACT AND APPLIED ANALYSIS, 2014 (SCI-Expanded)
- XV. Existence of a solution of integral equations via fixed point theorem**  
 GÜLYAZ S., KARAPINAR E., Rakocevic V., Salimi P.  
 JOURNAL OF INEQUALITIES AND APPLICATIONS, 2013 (SCI-Expanded)
- XVI. A COUPLED FIXED POINT RESULT IN PARTIALLY ORDERED PARTIAL METRIC SPACES THROUGH IMPLICIT FUNCTION**  
 GÜLYAZ S., KARAPINAR E.  
 HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.42, no.4, pp.347-357, 2013 (SCI-Expanded)
- XVII. A coupled coincidence point theorem in partially ordered metric spaces with an implicit relation**  
 GÜLYAZ S., KARAPINAR E., Yuce I. S.  
 FIXED POINT THEORY AND APPLICATIONS, 2013 (SCI-Expanded)
- XVIII. Boundary value problem for second-order differential equations with coulomb singularity on a finite interval**  
 Amirov R., Cakmak Y., Gulyaz S.  
 INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.37, no.3, pp.125-140, 2006 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Inverse Scattering Problem for the Sturm-Liouville Equation with Infinite Range of Discontinuous Conditions**  
AMIROV R., GÜLYAZ ÖZYURT S.  
Turkish Journal of Mathematics and Computer Science, vol.14, no.2, pp.292-305, 2022 (Peer-Reviewed Journal)
- II. **Spectral Properties of the Sturm-Liouville Operator Produced by the Unseparated Boundary Conditions with Spectral Parameter**  
AMIROV R., GÜLYAZ ÖZYURT S.  
Turkish Journal of Mathematics and Computer Science, vol.13, no.2, pp.373-378, 2021 (Peer-Reviewed Journal)
- III. **A note on Kannan type mappings with aF-contractive iterate**  
Gülyaz Özyurt S.  
Results in Nonlinear Analysis, vol.2, no.3, pp.143-146, 2019 (Scopus)
- IV. **A Fixed point theorem for extended large contractionmappings**  
GÜLYAZ ÖZYURT S.  
Results in Nonlinear Analysis, vol.1, no.1, pp.46-48, 2018 (Scopus)
- V. **On some  $\alpha$ -admissible contraction mappings on Branciari b-metric spaces**  
GÜLYAZ ÖZYURT S.  
Advnces in the Theory of Nonlinear Analysis and its Application, vol.1, no.1, pp.1-13, 2017 (Scopus)
- VI. **On Singular Sturm Liouville Problem with Impulse**  
AMIROV R., GÜLYAZ ÖZYURT S.  
Advances in Analysis, vol.1, no.2, pp.121-135, 2016 (Peer-Reviewed Journal)
- VII. **On Integral Representation for Solution of Generalized Sturm-Liouville Equation with Discontinuity Conditions**  
Guldu Y., Gulyaz S.  
BOLETIM SOCIEDADE PARANAENSE DE MATEMATICA, vol.33, no.2, pp.95-107, 2015 (ESCI)
- VIII. **INTEGRAL REPRESENTATIONS FOR A SOLUTIONS FOR THE DIFFUSION DIFFERENTIAL EQUATION**  
Gülyaz Özyurt S., Amirov R.  
Proceedings of the Institute of Mathematics and Mechanics, vol.40, pp.49-77, 2014 (ESCI)
- IX. **Gelfand-Levitant-Marchenko Integral Equation for Singular Differential Operators**  
Gülyaz Özyurt S., Kaplan S.  
C.U. Fen Fakültesi Fen Bilimleri Dergisi, vol.32, pp.40-51, 2011 (Peer-Reviewed Journal)
- X. **About System of Dirac Differential Equation Which has Discontinuity Point in Semi Axis**  
GÜLYAZ ÖZYURT S., ÇAKMAK Y., AMIROV R.  
Cumhuriyet Üniversitesi Fen Fakültesi Fen Bilimleri Dergisi, vol.24, no.2, pp.18-27, 2003 (Peer-Reviewed Journal)
- XI. **Singüleriteye Sahip Sturm Liouville Operatörler için İz Trace Formülü**  
GÜLYAZ ÖZYURT S., AMIROV R.  
Cumhuriyet Üniversitesi Fen Fakültesi Fen Bilimleri Dergisi, vol.24, no.1, pp.21-34, 2003 (Peer-Reviewed Journal)

## **Books & Book Chapters**

- I. **Tansör Hesaba Giriş ve Uygulamaları**  
KOSER K., ASLAN Z., GÜLYAZ ÖZYURT S., DEMİR A., KIRATLI S.  
Nobel Yayınevi, 2013

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

- I. **Yarı Eksende Shrödinger Operatörünün SpektralÖzellikleri**  
AMIROV R., GÜLYAZ ÖZYURT S.

- MARDİN ARTUKLU ULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, 19 - 21 April 2019
- II. **Yarı Eksende Singüler Shrödinger Denkleminin Çözümlerinin Davranışları**  
AMIROV R., GÜLYAZ ÖZYURT S.  
MARDİN ARTUKLU ULUSLARARASIMULTİDİSİPLİNERÇALIŞMALAR KONGRESİ, 19 - 21 April 2019
- III. **Sonsuz Aralıklarla Süreksiz Koşullara Sahip Olan Sturm-Liouville Denkleminin Çözümleri İçin İntegral Gösterimleri Üzerine**  
GÜLYAZ ÖZYURT S., AMIROV R.  
İpek Yolu Akademik Çalışmalar Sempozyumu-2, 20 - 22 September 2018
- IV. **On Some Fixed Points Theorems on Branciari b-Metric Spaces**  
ERHAN İ., GÜLYAZ ÖZYURT S.  
International Workshop on Mathematical Methods in Engineering, Ankara, Turkey, 27 - 29 April 2017
- V. **Geraghty Type Contractions on Branciari b-Metric Spaces**  
GÜLYAZ ÖZYURT S., ERHAN İ.  
International Workshop on Mathematical Methods in Engineering, Ankara, Turkey, 27 - 29 April 2017
- VI. **Quasi Dislocated Spaces**  
ERHAN İ., GÜLYAZ ÖZYURT S., KARAPINAR E.  
VI Congress of Mathematicians of Macedonia, 15 - 18 June 2016
- VII. **Fixed points of admissible Meir Keeler contraction mappings on quasi metric spaces**  
ALSULAMI H. H., GÜLYAZ S., ERHAN İ.  
The 11 th International Conference on Fixed Point Theory and Its Applications, 20 - 24 July 2015
- VIII. **On integral representation for solution of generalized Sturm Liouville equation with discontinuity conditions**  
GÜLDÜ Y., GÜLYAZ ÖZYURT S.  
International Conference on Nonlinear Differential and Difference Equations-2014, Antalya-Side, Turkey, 27 - 30 May 2014
- IX. **A coupled Coincidence Point Theorem via Implicit Relation**  
GÜLYAZ ÖZYURT S., KARAPINAR E., YÜCE İ. S.  
Krakow, 9 th International Isaac Congress, Krakow, Poland, 5 - 09 August 2013
- X. **Singüleriteye Sahip Sturm Liouville Operatörleri için İz Trace Formülü**  
AMIROV R., GÜLYAZ ÖZYURT S.  
XV. Ulusal Matematik Sempozyumu, Mersin, Turkey, 4 - 07 September 2002
- XI. **Inverse Problem for the Sturm Liouville According to a Spectrum and Normalizing**  
AMIROV R., GÜLYAZ ÖZYURT S.  
Proceeding of the Ninth International Colloquium on Differential Equations Plovdiv, Plovdiv, Bulgaria, 18 - 23 August 1998, pp.15-22
- XII. **Inverse spectral problem for the differential equation of the second order with singularity**  
Amirov R., Gulyaz S.  
8th International Colloquium on Differential Equations, Plovdiv, Bulgaria, 18 - 23 August 1997, pp.17-24
- XIII.  **$x = 0$  noktasında Singüleriteye Sahip Sturm Liouville Operatörleri için Ters Inverse Problem**  
AMIROV R., GÜLYAZ ÖZYURT S.  
Matematik Sempozyumu (Sarımsaklı' da Matematik Günleri ), Balıkesir, Turkey, 5 - 08 June 1997

## Activities in Scientific Journals

Mathematical Analysis and Convex Optimization, Editor, 2020 - Continues  
Results in Nonlinear Analysis, Editor, 2018 - Continues

## Metrics

**Publication:** 43

**Citation (WoS):** 146

**Citation (Scopus):** 153

**H-Index (WoS):** 6

**H-Index (Scopus):** 6