Prof. SEZAYİ HIZLIYEL

Personal Information

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International Researcher IDs
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ScopusID: 15623158400
Yoksis Researcher ID: 123305

Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Mathematics, Turkey 1997 - 2002
Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Mathematics, Turkey 1993 - 1996
Undergraduate, Anadolu University, Faculty Of Science, Department Of Mathematics, Turkey 1989 - 1993

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Genelleştirilmiş Q-holomorf fonksiyonlar, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2002
Postgraduate, Hiperanalitik fonksiyonlar, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 1996

Research Areas

Mathematics, Differential Equations, Functions of a Complex Variable, Natural Sciences

Academic Titles / Tasks

Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2020 - Continues
Associate Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2016 - 2020
Assistant Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2007 - 2012
Lecturer PhD, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2004 - 2007
Research Assistant, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 1993 - 2004

Courses

SINIR DEĞER PROBLEMLERİ, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

KISMİ TÜREVLİ DİF. DENKLEMLER, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

MAT2083 DİFERANSİYEL DENKLEMLER (ELEKTRONİK MÜH. 1. ÖĞRETİM), Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

MAT2083 DİFERANSİYEL DENKLEMLER (ELEKTRONİK MÜH. 2. ÖĞRETİM), Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

MAT5410 - SINIR DEĞER PROBLEMLERİ II, Postgraduate, 2017 - 2018

MAT 1072 MATEMATİK II (A Grubu) İnşaat Müh., Undergraduate, 2017 - 2018

KISMİ DİFERANSİYEL DENKLEMLER I I, Postgraduate, 2017 - 2018

MAT 1002 ANALİZ II (Fizik Bölümü), Undergraduate, 2017 - 2018

MAT6402 GENELLEŞTİRİLMİŞ ANALİTİK FONKSİYONLAR II, Doctorate, 2017 - 2018

MAT5411 - KISMİ DİFERANSİYEL DENKLEMLER I, Postgraduate, 2017 - 2018

MAT2083 DİFERANSİYEL DENKLEMLER(ELEKTRONİK 1. ÖĞRETİM), Undergraduate, 2017 - 2018

MAT5412 KISMİ DİFERANSİYEL DENKLEMLER II, Postgraduate, 2016 - 2017

MAT 3002 Diferensiyel Denklemler (Eğitim Fak.), Undergraduate, 2016 - 2017

MAT 2083 DİFERANSİYEL DENKLEMLER, Undergraduate, 2017 - 2018

MAT3017 KISMİ TÜREVLİ DİF. DENKLEMLER (MATEMATİK BÖL. 2. ÖĞRETİM), Undergraduate, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Integral representation for solutions of the pseudoparabolic equation in matrix form**
SAĞLAM ÖZKAN Y., HIZLIYEL S.
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.4, pp.1655-1669, 2018 (SCI-Expanded)

II. **The Cauchy-Kowalewski Theorem in the Space of Pseudo Q-holomorphic Functions**
HIZLIYEL S., SAĞLAM ÖZKAN Y.
Complex Analysis and Operator Theory, vol.10, no.5, pp.953-963, 2016 (SCI-Expanded)

III. **Carleman-type theorems for generalized Q-holomorphic functions**
HIZLIYEL S.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.412, no.2, pp.816-827, 2014 (SCI-Expanded)

IV. **Some relations among the classes of pseudo Q-holomorphic functions**
Cagliyan M., HIZLIYEL S.
COMPLEX VARIABLES AND ELLIPTIC EQUATIONS, vol.58, no.4, pp.471-482, 2013 (SCI-Expanded)

V. **Boundary value problems associated with generalized Q-holomorphic functions**
HIZLIYEL S.
BOUNDARY VALUE PROBLEMS, 2013 (SCI-Expanded)

VI. **A boundary value problem for Bitsadze equation in matrix form**
HIZLIYEL S., Cagliyan M.
TURKISH JOURNAL OF MATHEMATICS, vol.35, no.1, pp.29-46, 2011 (SCI-Expanded)

VII. **The Riemann Hilbert problem for generalized Q-holomorphic functions**
HIZLIYEL S., Cagliyan M.
TURKISH JOURNAL OF MATHEMATICS, vol.34, no.2, pp.167-180, 2010 (SCI-Expanded)

VIII. **The Hilbert problem for generalized Q-holomorphic functions**
Hizliyel S.
ZEITSCHRIFT FUR ANALYSIS UND IHRE ANWENDUNGEN, vol.25, no.4, pp.535-554, 2006 (SCI-Expanded)

Articles Published in Other Journals

I. **Matris Formda Kompleks Değerli Kısmi Diferensiyel Denklemlerin Çözümleri Yardımıyla Kompleks Matris Değerli Fonksiyonlara Yaklaşım Üzerine**
SAĞLAM ÖZKAN Y., HIZLIYEL S.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.3, pp.1169-1174, 2018 (Peer-Reviewed Journal)

II. **AN INVESTIGATION OF SOLUTION OF FIRST ORDERCOMPLEX COEFFICIENTS COMPLEX EQUATIONBY USING ABOODH TRANSFORM**
SAĞLAM ÖZKAN Y., HIZLIYEL S.
BULLETIN OF THE INTERNATIONAL MATHEMATICAL VIRTUAL INSTITUTE, vol.8, no.3, pp.509-515, 2018 (Peer-Reviewed Journal)

III. **Genelleştirilmiş Q-Holomorf fonksiyonlar için Lokal Benzerlik Temsili**
HIZLIYEL S.
SAÜ Fen Bilimleri Enstitüsü Dergisi, vol.21, no.3, pp.420-425, 2017 (Peer-Reviewed Journal)

IV. **Q Holomorf Fonksiyonların Matris Analitik Fonksiyonlarla İlişkisi**
HIZLIYEL S.
BEÜ Fen Bilimleri Dergisi, vol.5, no.2, pp.149-155, 2016 (Peer-Reviewed Journal)

V. **Pseudo Q Holomorphic Functions**
HIZLIYEL S., ÇAĞLIYAN M.
Complex Variables, Theory and Application, vol.49, no.13, pp.941-955, 2004 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **On Function Theory for Q-holomorphic Functions**
SAĞLAM ÖZKAN Y., HIZLIYEL S.
International Conference on Applied Mathematics in Engineering (ICAME), Balıkesir, Turkey, 27 - 29 June 2018

II. **ON GENERALIZED DERIVATIVES IN THE SENSE OF SOBOLEV ANDPROPERTIES OF POMPEIU OPERATOR**
SAĞLAM ÖZKAN Y., HIZLIYEL S.
5th International Congress on Fundamental and Applied Sciences 2018 (ICFAS2018), Üsküp, Macedonia, 18 - 22 June 2018

III. **The Schwartz problem for Q-holomorphic functions**
HIZLIYEL S., SAĞLAM ÖZKAN Y.
International Conference on Aplied Analysis and Mathematical Modeling, İstanbul, Turkey, 3 - 07 July 2017, pp.322

IV. **On approximation to complex matrix valued functions by utilizing generalized Q-holomorphic functions**
SAĞLAM ÖZKAN Y., HIZLIYEL S.
International Conference on Mathematics and Engineering, 10 - 12 May 2017

V. **Linear Generalized Q Holomorphic Functions**
HIZLIYEL S., SAĞLAM ÖZKAN Y.
7th European Congress of Mathematics (7ECM in Berlin), Berlin, Germany, 18 - 22 July 2016, pp.664

VI. **ON THE CONSTRUCTION OF GENERAL SOLUTION OF THE EQUATION On the general solution of the equation 2 frac partial w partial overline phi widetilde lambda overline phi 1 overline w 0**
SAĞLAM ÖZKAN Y., HIZLIYEL S.
International Conference on Analysis and Its Applications(ICAA-2016), Kırşehir, Turkey, 12 - 15 July 2016, pp.312

VII. **On the consturction of general solution of the equation 2 frac partial w partial overline phi widetilde lambda overline phi 1 overline w 0**
SAĞLAM ÖZKAN Y., HIZLIYEL S.
International Conference on Analysis and its Applications, Kırşehir -TÜRKİYE, Kırşehir, Turkey, 12 - 15 July 2016, pp.312

VIII. **Generalized Beltrami Systems with a Singular Point**

SAĞLAM ÖZKAN Y., HIZLIYEL S.

The International Conference of Jangjeon Mathematical Society, Antalya, Turkey, 15 - 19 May 2015

IX. **Pseudoanalitik Fonksiyonlar**

SAĞLAM ÖZKAN Y., HIZLIYEL S.

13. Matematik Sempozyumu Karabük Üniversitesi, Turkey, 15 - 17 May 2014

X. **Boundary Value Problems Associated with Generalized Q Holomorphic Functions**

HIZLIYEL S.

International Congress in Honour of Professor Hari M. Srivastava, Bursa, Turkey, 23 - 26 August 2012, pp.125

XI. **Matris Denklemler için Dirichlet Problemi**

HIZLIYEL S.

XVII Ulusal Matematik Sempozyumu, Bolu, Turkey, 23 - 26 August 2004, pp.184-194

Supported Projects

İyigün E., Ezentaş R., Hızlıyel S., Sağlam Özkan Y., Project Supported by Higher Education Institutions, Lorentz Manifoldlarında Diferensiyel Denklemler ve uygulamaları, 2015 - 2017

Hızlıyel S., Sağlam Özkan Y., Project Supported by Higher Education Institutions, Genelleştirilmiş Q holomorf fonksiyonlar, 2013 - 2016

Metrics

Publication: 24
Citation (WoS): 6
Citation (Scopus): 7
H-Index (WoS): 1
H-Index (Scopus): 1