

## **Prof. Erhan ÇALIŞKAN**

### **Personal Information**

**Email:** erhan.caliskan@istanbul.edu.tr

**Address:** İstanbul Üniversitesi, Fen Fakültesi, Matematik Bölümü, 34134, Vezneciler, İstanbul

### **International Researcher IDs**

ORCID: 0000-0003-3011-0473

Publons / Web Of Science ResearcherID: AAE-3302-2020

Yoksis Researcher ID: 174016

### **Education Information**

Doctorate, Universidade Estadual de Campinas (UNICAMP), Instituto De Matematica, Estatística E Computação Científica, Matematica , Brazil 1999 - 2003

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Matematik, Turkey 1994 - 1996

Undergraduate, Yildiz Technical University, Faculty Of Arts & Science, Matematik, Turkey 1990 - 1994

### **Foreign Languages**

English, A2 Elementary

Portuguese, B1 Intermediate

### **Dissertations**

Doctorate, Aproximação de Funções Holomorfas em Espaços de Dimensão Infinita, Universidade Estadual de Campinas (UNICAMP), Instituto De Matematica, Estatística E Computação Científica, Matematica, 2003

Postgraduate, Modüler Fonksiyonlar ve Modüler Formlar, Yildiz Technical University, Fen-Edebiyat Fakültesi, Matematik, 1996

### **Research Areas**

Mathematics, Functional Analysis, Natural Sciences

### **Academic Titles / Tasks**

Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2015 - Continues

Associate Professor, Yildiz Technical University, Faculty Of Arts & Science, Matematik, 2009 - 2015

Other, Kent State University, College Of Arts And Sciences, Department Of Mathematical Sciences, 2011 - 2012

Assistant Professor, Yildiz Technical University, Faculty Of Arts & Science, Matematik, 2005 - 2009

Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Matematik, 1995 - 2005

Researcher, Universidade Federal de Campina Grande (UFCG), Ciências Exatas E Da Terra, Matemática, 2003 - 2004

## Courses

Banach Uzaylarında Kompleks Analize Giriş, Doctorate, 2022 - 2023  
KOMPLEKS ANALİZ II, Undergraduate, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016  
KOMPLEKS ANALİZ II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
REEL ANALİZ, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
REEL ANALİZ, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
LİNEER OPERATÖRLERE GİRİŞ, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Kompleks Analiz I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
ÖLÇÜ TEORİSİ 1, Postgraduate, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2015 - 2016  
SEMİNER, Doctorate, 2019 - 2020  
Kompleks Analiz I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
TOPOLOJİK VEKTÖR UZAYLARI, Doctorate, 2018 - 2019, 2015 - 2016  
BANACH UZAYLARINDA KONULAR, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016  
İntegral Hesap, Undergraduate, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2015 - 2016  
MESLEKİ MATEMATİK I, Associate Degree, 2018 - 2019  
İNTEGRAL HESAP, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
MATEMATİK, Associate Degree, 2018 - 2019  
İLERİ ANALİZ, Undergraduate, 2014 - 2015  
İLERİ ANALİZ, Undergraduate, 2014 - 2015

## Advising Theses

ÇALIŞKAN E., Hilbert Uzaylarında Fourier Serilerinin Yakınsaklığı, Postgraduate, C.Kadirov(Student), 2017  
ÇALIŞKAN E., BANACH UZAYLARI ÜZERİNDE  $p$ -KOMPAKT OPERATÖRLERİN  $p$ -KOMPAKT KÜMELERİNİN DÜZGÜN OLARAK ÇARPANLARA AYRILMASI, Doctorate, A.KETEN(Student), 2016

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

- I. **The compact approximation property for spaces of holomorphic mappings on Frechet spaces**  
Caliskan E., Rueda P.  
REVISTA MATEMATICA COMPLUTENSE, vol.34, no.1, pp.185-201, 2021 (SCI-Expanded)
- II. **Compactness and  $s$ -numbers for polynomials**  
Caliskan E., Rueda P.  
RENDICONTI LINCEI-MATEMATICA E APPLICAZIONI, no.1, pp.93-107, 2018 (SCI-Expanded)
- III. **BEHAVIOR OF HOLOMORPHIC MAPPINGS ON  $p$ -COMPACT SETS IN A BANACH SPACE**  
Aron R. M., Caliskan E., Garcia D., Maestre M.  
TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY, vol.368, no.7, pp.4855-4871, 2016 (SCI-Expanded)
- IV. **Uniform factorization for  $p$ -compact sets of  $p$ -compact linear operators**  
Caliskan E., KETEN A.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.437, no.2, pp.1058-1069, 2016 (SCI-Expanded)
- V. **The polynomial dual of an operator ideal**  
Botelho G., Caliskan E., Moraes G.  
MONATSHEFTE FÜR MATHEMATIK, vol.173, no.2, pp.161-174, 2014 (SCI-Expanded)
- VI. **ON DISTINGUISHED POLYNOMIALS AND THEIR PROJECTIONS**  
Caliskan E., RUEDA P.  
ANNALES ACADEMIAE SCIENTIARUM FENNICAE-MATHEMATICA, vol.37, no.2, pp.595-603, 2012 (SCI-Expanded)
- VII. **ON THE REPRESENTATION OF MULTI-IDEALS BY TENSOR NORMS**  
BOTELHO G., Caliskan E., PELLEGRINO D.  
JOURNAL OF THE AUSTRALIAN MATHEMATICAL SOCIETY, vol.90, no.2, pp.253-269, 2011 (SCI-Expanded)
- VIII. **Erratum to: Ideals of Homogeneous Polynomials and Weakly Compact Approximation Property in**

## **Banach Spaces**

Çalışkan E.

CZECHOSLOVAK MATHEMATICAL JOURNAL, vol.60, no.3, pp.887, 2010 (SCI-Expanded)

**IX. Ideals of homogeneous polynomials and weakly compact approximation property in Banach spaces**

Çalışkan E.

CZECHOSLOVAK MATHEMATICAL JOURNAL, vol.57, no.2, pp.763-776, 2007 (SCI-Expanded)

**X. On the multilinear generalizations of the concept of absolutely summing operators**

Çalışkan E., Pellegrino D. M.

ROCKY MOUNTAIN JOURNAL OF MATHEMATICS, vol.37, no.4, pp.1137-1154, 2007 (SCI-Expanded)

**XI. The bounded approximation property for the predual of the space of bounded holomorphic mappings**

Çalışkan E.

STUDIA MATHEMATICA, vol.177, no.3, pp.225-233, 2006 (SCI-Expanded)

**XII. The bounded approximation property for spaces of holomorphic mappings on infinite dimensional spaces**

Çalışkan E.

MATHEMATISCHE NACHRICHTEN, vol.279, no.7, pp.705-715, 2006 (SCI-Expanded)

## **Articles Published in Other Journals**

**I. On Characterizations of the Space of  $p$ -Semi-Integral Multilinear Mappings**

Çalışkan E.

NOTE DI MATEMATICA, no.1, pp.165-184, 2009 (ESCI)

**II. The bounded approximation property for weakly uniformly continuous type holomorphic mappings**

Çalışkan E.

EXTRACTA MATHEMATICAE, vol.22, no.2, pp.157-177, 2007 (Peer-Reviewed Journal)

**III. Bounded holomorphic mappings and the compact approximation property in Banach spaces**

ÇALIŞKAN E.

PORTUGALIAE MATHEMATICA, vol.61, no.1, pp.25-33, 2004 (Peer-Reviewed Journal)

**IV. Approximation of holomorphic mappings on infinite dimensional spaces**

ÇALIŞKAN E.

REVISTA MATEMÁTICA COMPLUTENSE, vol.17, no.2, pp.411-434, 2004 (Peer-Reviewed Journal)

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

**I. Some Variants of Numbers Sequences for Homogeneous Polynomials**

Çalışkan E., Rueda P.

Classical and Functional Analysis, Brasov, Romania, 3 - 05 July 2015, pp.57-67

**II. On the interplay between tensor norms and multi-ideals**

BOTELHO G., ÇALIŞKAN E., PELLEGRINO D.

II ENAMA - Encontro Nacional de Análise Matemática e Aplicações, Joao Pessoa, Brazil, 5 - 07 November 2008, pp.126-127

**III. The Bounded Approximation Property for the Preduals of Spaces of Holomorphic Mappings**

ÇALIŞKAN E.

Congress "Banach space theory: classical topics and new directions" (Satellite conference n° 17 of the World Congress ICM 2006), Caceres, Spain, 4 - 08 September 2006, pp.6

**IV. Sürekli Polinomlar ve Banach Uzaylarında Kompakt Yaklaşım Özelliği**

ÇALIŞKAN E.

TÜRK MATEMATİK DERNEĞİ XVIII. ULUSAL MATEMATİK SEMPOZYUMU, İstanbul, Turkey, 5 - 08 September 2005,

pp.51-58

- V. **The Bounded Approximation Property for Spaces of Holomorphic Mappings on Infinite Dimensional Spaces**  
ÇALIŞKAN E.  
58o Seminário Brasileiro de Análise, Campinas, Brazil, 19 - 22 November 2003, pp.523-530
- VI. **Holomorphic Mappings and The Compact Approximation Property**  
ÇALIŞKAN E.  
57o Seminário Brasileiro de Análise, Viçosa, Brazil, 14 - 17 May 2003, pp.473-480
- VII. **Funções Holomorfas de Tipo Limitado e a Propriedade de Aproximação**  
ÇALIŞKAN E.  
56o Seminário Brasileiro de Análise, Niteroi, Brazil, 20 - 23 November 2002, pp.465-474
- VIII. **A Propriedade de Aproximação Compacta e Funções Holomorfas Limitadas**  
ÇALIŞKAN E.  
55o Seminário Brasileiro de Análise, Uberlandia, Brazil, 22 - 25 May 2002, pp.593-600

## **Metrics**

Publication: 24

Citation (WoS): 71

Citation (Scopus): 73

H-Index (WoS): 4

H-Index (Scopus): 4

## **Congress and Symposium Activities**

I Uberlândia Meeting on Functional Analysis and Approximation Theory, Attendee, Uberlândia, Brazil, 2012

Colóquio Científico 40 anos IMECC, Attendee, Campinas, Brazil, 2008

Functional Analysis and Complex Analysis: International Conference on Functional Analysis and Complex Analysis (with a Special Session to mark the 70th Birthday of Professor V. Zakharyuta), Attendee, İstanbul, Turkey, 2007

Mini Reunião de Análise Funcional, Attendee, Campinas, Brazil, 2002