

## **Asst. Prof. Nurhan Çolakoğlu**

### **Personal Information**

**Email:** colakn@itu.edu.tr

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### **International Researcher IDs**

ORCID: 0000-0003-2216-6952

Publons / Web Of Science ResearcherID: A-3580-2012

ScopusID: 56590397400

Yoksis Researcher ID: 152856

### **Education Information**

Doctorate, İstanbul Technical University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2002 - 2007

Postgraduate, İstanbul Technical University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1993 - 1995

Undergraduate, İstanbul Technical University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1989 - 1993

### **Foreign Languages**

Italian

English

### **Dissertations**

Doctorate, Riesz basis and eigenvalue problems for one and two parameter self-adjoint operator pencils, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 2007

Postgraduate, Analitik fonksiyonların bazı sınır özelliklerini hakkında, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 1995

### **Research Areas**

Basic Sciences, Mathematics, Linear and Multilinear Algebra: Matrix Theory, Functional Analysis, Operators

### **Academic Titles / Tasks**

Assistant Professor, İstanbul Technical University, Fen-Edebiyat, Matematik Mühendisliği, 2017 - Continues

Lecturer PhD, İstanbul Technical University, Fen-Edebiyat, Matematik Mühendisliği, 2014 - 2017

Research Assistant, University of Calgary, Fen Fakültesi, Matematik Ve İstatistik Bölümü, 2013 - 2014

Lecturer PhD, İstanbul Technical University, Fen-Edebiyat, Matematik Mühendisliği, 2007 - 2013

Research Assistant, İstanbul Technical University, Fen-Edebiyat, Matematik Mühendisliği, 1994 - 2007

### **Academic and Administrative Experience**

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

- I. **Disjoint and simultaneously hypercyclic pseudo-shifts**  
Çolakoğlu N., Martin O., Sanders R.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.512, no.2, 2022 (SCI-Expanded)
- II. **Disjoint and simultaneous hypercyclic Rolewicz-type operators**  
Çolakoğlu N., Martin Ö.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.50, no.6, pp.1609-1619, 2021 (SCI-Expanded)
- III. **SPECTRAL PROPERTIES OF FINITE-DIMENSIONAL WAVEGUIDE SYSTEMS**  
Çolakoğlu N., Lancaster P.  
ELECTRONIC JOURNAL OF LINEAR ALGEBRA, vol.30, pp.670-692, 2015 (SCI-Expanded)
- IV. **Eigenvalues of two parameter polynomial operator pencils of waveguide type**  
Colakoglu N., HASANOV M., UZUN B. U.  
INTEGRAL EQUATIONS AND OPERATOR THEORY, vol.56, no.3, pp.381-400, 2006 (SCI-Expanded)
- V. **A note on Riesz bases of eigenvectors for a class of nonanalytic operator functions**  
Hasanov M., UZUN B. U., Colakoglu N.  
ROCKY MOUNTAIN JOURNAL OF MATHEMATICS, vol.36, no.2, pp.487-496, 2006 (SCI-Expanded)

### Articles Published in Other Journals

- I. **The Numerical Range of a Class of Self-adjoint Operator Functions**  
Colakoglu N.  
RECENT ADVANCES IN MATRIX AND OPERATOR THEORY, vol.179, pp.145-155, 2008 (Scopus)

### Refereed Congress / Symposium Publications in Proceedings

- I. **The Numerical Range of a Class of Self adjoint Operator Functions**  
ÇOLAKOĞLU N.  
IWOTA 2005, Basel, Switzerland, 24 - 27 June 2005, vol.179, pp.145-155
- II. **İki parametreli kuadratik operatör polinomlarının spektral yapısı ve asimptotları**  
Çolakoğlu N., UZUN B. U., HASANOV M.  
17. Ulusal Matematik Sempozyumu, Bolu, Turkey, 23 - 26 August 2004, pp.3-16
- III. **On perturbations of two parameter operator pencils of waveguide type**  
HASANSOY M., ÇOLAKOĞLU N., UZUN B.  
IWOTA 2004, Newcastle upon Tyne, United Kingdom, 12 - 16 June 2004
- IV. **Analitik Fonksiyonların Bazı Sınır Özellikleri Hakkında**  
ÇOLAKOĞLU N.  
9. Ulusal Matematik Sempozyumu, İstanbul, Turkey, 2 - 06 September 1996

### Supported Projects

Çolakoğlu N., Project Supported by Higher Education Institutions, Rolewicz-tipi operatörlerin diyagonal dinamikleri, 2017 - 2019

## **Metrics**

Publication: 10

Citation (WoS): 10

Citation (Scopus): 6

H-Index (WoS): 2

H-Index (Scopus): 2

## **Congress and Symposium Activities**

17. Ulusal Matematik Sempozyumu, Attendee, Bolu, Turkey, 2004

9. Ulusal Matematik Sempozyumu, Attendee, İstanbul, Turkey, 1996

## **Scholarships**

BİDEB-2219 (2013) Doktora Sonrası Araştırma Bursu (6 ay), TUBITAK, 2013 - Continues