

## Assoc. Prof. SEZGİN SUCU

### Personal Information

**Email:** ssucu@ankara.edu.tr

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### International Researcher IDs

ORCID: 0000-0002-9640-0329

Publons / Web Of Science ResearcherID: B-9019-2018

ScopusID: 11939479700

Yoksis Researcher ID: 219476

### Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2009 - 2014

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2007 - 2009

Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 2002 - 2006

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Reel ve kompleks değişkenli fonksiyonlara Bernstein tipli polinomlar ile yaklaşım, Ankara University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2014

Postgraduate, Sobolev uzaylarında yaklaşım, Ankara University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2009

### Research Areas

Mathematics, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2022 - Continues

Assistant Professor, Ankara University, Fen Fakültesi, Matematik Bölümü, 2014 - 2022

### Courses

Analiz II, Undergraduate, 2021 - 2022

Matematik, Undergraduate, 2022 - 2023

Matematik II, Undergraduate, 2021 - 2022

Temel Matematik, Undergraduate, 2021 - 2022

Temel Matematik, Undergraduate, 2022 - 2023  
Analiz I, Undergraduate, 2022 - 2023  
Matematik I, Undergraduate, 2022 - 2023  
Matematik, Undergraduate, 2022 - 2023  
HARMONİK ANALİZ I, Undergraduate, 2016 - 2017, 2015 - 2016  
İŞLETME MATEMATİĞİ, Undergraduate, 2016 - 2017  
ANALİZ II, Undergraduate, 2016 - 2017, 2015 - 2016  
HARMONİK ANALİZ II, Undergraduate, 2016 - 2017, 2015 - 2016  
ANALİZ I, Undergraduate, 2016 - 2017, 2015 - 2016  
TEMEL MATEMATİK, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Reel Analiz II, Postgraduate, 2015 - 2016  
Genel Matematik II, Undergraduate, 2015 - 2016, 2014 - 2015  
Reel Analiz I, Postgraduate, 2014 - 2015

## Advising Theses

SUCU S., The best approximation in function spaces, Postgraduate, E.KARAGÜLLÜ(Student), 2019

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

- I. **Operators Obtained by Using Certain Generating Function for Approximation**  
VARMA S., SUCU S.  
MATHEMATICS, vol.10, no.13, 2022 (SCI-Expanded)
- II. **A Generalization of Szasz Operators by Using the Appell Polynomials of Class A((2))**  
VARMA S., SUCU S.  
SYMMETRY-BASEL, vol.14, no.7, 2022 (SCI-Expanded)
- III. **Stancu Type Operators Including Generalized Brenke Polynomials**  
SUCU S.  
FILOMAT, vol.36, no.7, pp.2381-2389, 2022 (SCI-Expanded)
- IV. **Approximation by Sequence of Operators Including Dunkl-Appell Polynomials**  
SUCU S.  
BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, vol.43, no.3, pp.2455-2464, 2020 (SCI-Expanded)
- V. **Approximation by Sequence of Operators Involving Analytic Functions**  
SUCU S., VARMA S.  
MATHEMATICS, vol.7, no.2, 2019 (SCI-Expanded)
- VI. **Approximation by Operators Sequence Involving a Certain Class of Polynomials**  
SUCU S.  
FILOMAT, vol.33, no.10, pp.3149-3159, 2019 (SCI-Expanded)
- VII. **Approximation by Operators Including Generalized Appell Polynomials**  
İÇÖZ G., VARMA S., SUCU S.  
FILOMAT, vol.30, no.2, pp.429-440, 2016 (SCI-Expanded)
- VIII. **Generalization of Jakimovski-Leviatan type Szasz operators**  
SUCU S., VARMA S.  
APPLIED MATHEMATICS AND COMPUTATION, vol.270, pp.977-983, 2015 (SCI-Expanded)
- IX. **Dunkl analogue of Szasz operators**  
SUCU S.  
APPLIED MATHEMATICS AND COMPUTATION, vol.244, pp.42-48, 2014 (SCI-Expanded)
- X. **Approximation by Jakimovski-Leviatan Type Operators on a Complex Domain**

- SUCU S., İbikli E.  
 COMPLEX ANALYSIS AND OPERATOR THEORY, vol.8, no.1, pp.177-188, 2014 (SCI-Expanded)
- XI. **CHLODOVSKY TYPE OPERATORS ON PARABOLIC DOMAIN**  
 SUCU S., İbikli E.  
 BANACH JOURNAL OF MATHEMATICAL ANALYSIS, vol.8, no.1, pp.14-25, 2014 (SCI-Expanded)
- XII. **Approximation by Means of Kantorovich-Stancu Type Operators**  
 SUCU S., İbikli E.  
 NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, no.5, pp.557-575, 2013 (SCI-Expanded)
- XIII. **Generalization of Szasz operators involving Brenke type polynomials**  
 Varma S., Sucu S., İçöz G.  
 COMPUTERS & MATHEMATICS WITH APPLICATIONS, no.2, pp.121-127, 2012 (SCI-Expanded)
- XIV. **On Some Extensions of Szasz Operators Including Boas-Buck-Type Polynomials**  
 SUCU S., İÇÖZ G., VARMA S.  
 ABSTRACT AND APPLIED ANALYSIS, 2012 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Szasz-Schurer operators on a domain in complex plane**  
 SUCU S., İbikli E.  
 MATHEMATICAL SCIENCES, vol.7, no.1, 2013 (ESCI)
- II. **Rate of convergence for Szász type operators including Sheffer polynomials**  
 SUCU S., İBİKLİ E.  
 Stud. Univ. Babeş-Bolyai Math., vol.58, no.1, pp.55-63, 2013 (ESCI)
- III. **INTEGRAL OPERATORS CONTAINING SHEFFER POLYNOMIALS**  
 SUCU S., BÜYÜKYAZICI İ.  
 Bulletin of Mathematical Analysis and Applications, vol.4, no.4, pp.56-66, 2012 (ESCI)
- IV. **Approximation Properties of Schurer-Stancu Type Polynomials**  
 SUCU S., GÜNEY Y., İBİKLİ E.  
 Mathematica Balkanica, vol.26, pp.45-56, 2012 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Approximation to functions by using a sequence of operators containing generalized Sheffer polynomials**  
 SUCU S.  
 11th International Eurasian Conference on Mathematical Sciences and Applications, İstanbul, Turkey, 29 August - 01 September 2022
- II. **Approximation results of the sequence of operators involving generalized Appell polynomials.**  
 SUCU S.  
 International Conference of Young Mathematicians, Kyiv, Ukraine, 6 - 08 June 2019
- III. **Szasz operators generated by generalized exponential function**  
 SUCU S.  
 Mathematics: Applied: an International Conference, Macedonia, 21 - 24 August 2016
- IV. **Chlodovsky type generalization of Szasz operator on a complex domain**  
 SUCU S., İBİKLİ E.  
 International Conference on Actual Problems of Mathematics and Informatics, Baku, Azerbaijan, 29 - 31 May 2013

### Metrics

Publication: 22

Citation (WoS): 239

Citation (Scopus): 230

H-Index (WoS): 8

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