

# Prof. HATİCE GÜL İNCE İLARSLAN

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: AHB-3098-2022

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## Education Information

Doctorate, Ankara University, Institute Of Science, Mathematics (Dr), Turkey 1993 - 1998

Postgraduate, Ankara University, Institute Of Science, Mathematics, Turkey 1990 - 1993

Undergraduate, Ankara University, Faculty Of Science, Department Of Mathematics, Turkey 1986 - 1990

## Dissertations

Doctorate, Cesaro conull FK Spaces, Ankara University, Institute Of Science, Matematik (Dr), 1998

Postgraduate, Summability and Absolute Summability Domains, Ankara University, Institute Of Science, 1993

## Research Areas

Mathematics

## Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Matematik, 2017 - Continues

Professor, Gazi University, Fen Fakültesi, Matematik, 2011 - Continues

Assistant Professor, Gazi University, Fen Fakültesi, Matematik, 2003 - 2011

Research Assistant PhD, Ankara University, Faculty Of Science, Department Of Mathematics, 1991 - 2003

## Courses

SEQUENTIAL APPROXIMATION PROPERTIES OF LINEAR POSITIVE OPERATORS I, Postgraduate, 2021 - 2022

Complex Analysis II, Undergraduate, 2020 - 2021, 2019 - 2020

Mathematics II, Undergraduate, 2020 - 2021, 2019 - 2020

Mathematics II, Undergraduate, 2019 - 2020

Mathematics III, Undergraduate, 2020 - 2021, 2019 - 2020

Compleks Analysis I, Undergraduate, 2020 - 2021, 2019 - 2020

Properties of Approximation by Sequences of Positive Linear Operators II, Postgraduate, 2019 - 2020

Mathematics III, Undergraduate, 2020 - 2021

COMPLEX ANALYSIS, Undergraduate, 2017 - 2018  
INTRODUCTION TO DIVERGENT SERIES, Postgraduate, 2015 - 2016  
Complex Analysis II, Undergraduate, 2013 - 2014  
Complex Analysis I, Undergraduate, 2013 - 2014  
Yüksek Matematik I, Undergraduate, 2013 - 2014  
Complex Analysis I, Undergraduate, 2013 - 2014

## Advising Theses

İnce İlarıslan H. G., Charlier–Szász–Durrmeyer type positive linear operators, Postgraduate, M.TEKE(Student), 2023  
İnce İlarıslan H. G., Approximation by integral form of Jain and Pethe operators, Postgraduate, D.Yolcu(Student), 2022  
İnce İlarıslan H. G., Szász-Kantorovich Operators Type Based On Bivariate Brenke Type Polynomials, Postgraduate, S.Begen(Student), 2021  
İNCE İLARSLAN H. G., Statistical approximation properties of q-baskakovkantorovich operators, Postgraduate, B.Kartal(Student), 2014  
İNCE İLARSLAN H. G., Approximation properties of kantorovich type generalization of lupaş operators, Postgraduate, H.AKKAYA(Student), 2013  
İNCE İLARSLAN H. G., Some linear positive operators in weighted spaces, Postgraduate, H.ADİĞÜZEL(Student), 2012  
İnce İlarıslan H. G., İki Değişkenli q Meyer-König Zeller Operatörlerinin Korovkin Tipi Yaklaşım Özellikleri, Postgraduate, E.Yıldız(Student), 2009  
İnce İlarıslan H. G., STATISTICAL APPROXIMATION BY GENERALIZED MEYER-KÖNIG AND ZELLER TYPE OPERATORS, Postgraduate, N.ÇETİN(Student), 2008

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

- I. **Kantorovich-type generalization of parametric Baskakov operators**  
İNCE İLARSLAN H. G., ERBAY H., ARAL A.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.42, no.18, pp.6580-6587, 2019 (SCI-Expanded)
- II. **Approximation by bivariate (p, q)-Baskakov-Kantorovich operators**  
İNCE İLARSLAN H. G., ACAR T.  
GEORGIAN MATHEMATICAL JOURNAL, vol.25, no.3, pp.397-407, 2018 (SCI-Expanded)
- III. **Bivariate Cheney-Sharma operators on simplex**  
Bascanbaz-Tunca G., ERENÇİN A., İNCE İLARSLAN H. G.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.47, no.4, pp.793-804, 2018 (SCI-Expanded)
- IV. **On discrete Picard operators**  
ARAL A., İNCE İLARSLAN H. G., TUNCA G. B.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.39, no.18, pp.5140-5148, 2016 (SCI-Expanded)
- V. **Convergence in Variation for Bernstein-Type Operators**  
İNCE İLARSLAN H. G., Bascanbaz-Tunca G.  
MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.13, no.5, pp.2577-2592, 2016 (SCI-Expanded)
- VI. **Bivariate Bernstein type operators**  
Bascanbaz-Tunca G., İNCE İLARSLAN H. G., ERENÇİN A.  
APPLIED MATHEMATICS AND COMPUTATION, vol.273, pp.543-552, 2016 (SCI-Expanded)
- VII. **Kantorovich Type Generalization of Meyer-König and Zeller Operators via Generating Functions**  
OLGUN A., İNCE İLARSLAN H. G., Tasdelen F.  
ANALELE ȘTIINȚIFICE ALE UNIVERSITĂȚII OVIDIUS CONSTANTA-SERIA MATEMATICĂ, vol.21, no.3, pp.209-221, 2013 (SCI-Expanded)
- VIII. **A class of linear positive operators in weighted spaces**  
ERENÇİN A., İNCE İLARSLAN H. G., OLGUN A.

- MATHEMATICA SLOVACA, vol.62, no.1, pp.63-76, 2012 (SCI-Expanded)
- IX. **A-Wedge and Weak A-Wedge FK-Spaces**  
 İNCE İLARSLAN H. G., Buntinas M.  
 MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.9, no.1, pp.239-251, 2012 (SCI-Expanded)
- X. **ON SUMMABILITY AND APPROXIMATING OPERATORS**  
 İNCE İLARSLAN H. G., ATLIHAN Ö. G.  
 COMPTES RENDUS DE L ACADEMIE BULGARE DES SCIENCES, vol.63, no.2, pp.181-188, 2010 (SCI-Expanded)
- XI. **Some variations of the Bohman-Korovkin theorem**  
 Atlihan O. G., Ince H. G., ORHAN C.  
 MATHEMATICAL AND COMPUTER MODELLING, vol.50, pp.1205-1210, 2009 (SCI-Expanded)
- XII. **Cesaro semiconservative FK spaces**  
 Ince H. G.  
 MATHEMATICAL COMMUNICATIONS, vol.14, no.1, pp.157-165, 2009 (SCI-Expanded)
- XIII. **Cesaro wedge and weak Cesaro wedge FK-spaces**  
 Ince H. G.  
 CZECHOSLOVAK MATHEMATICAL JOURNAL, vol.52, no.1, pp.141-154, 2002 (SCI-Expanded)

### Articles Published in Other Journals

- I. **DEGREE OF APPROXIMATION FOR BIVARIATE SZASZ-KANTOROVICH TYPE BASED ON BRENKE TYPE POLYNOMIALS**  
 Begen S., İnce İlarслан H. G.  
 HONAM MATHEMATICAL JOURNAL, vol.42, pp.251-268, 2020 (ESCI)
- II. **QUANTITATIVE ESTIMATES FOR MODIFIED BETA OPERATORS**  
 Bascanbaz-Tunca G., ERENÇİN A., İNCE İLARSLAN H. G.  
 MATEMATICKI VESNIK, vol.71, no.4, pp.359-367, 2019 (ESCI)
- III. **Approximation Properties of Bivariate Generalization of Meyer König And Zeller Type Operators**  
 Ince İlarслан H. G., Yildiz Ozkan E.  
 ANALELE STIINTIFICE ALE UNIVERSITATII AL I CUZA DIN IASI - MATEMATICA, vol.63, no.1, pp.181-191, 2017 (Scopus)
- IV. **On bivariate Bernstein Chlodowsky operators**  
 İnce İlarслан H. G.  
 J. Class. Anal., vol.8, pp.147-153, 2016 (Peer-Reviewed Journal)
- V. **A note on some subspaces of an FK-space**  
 İNCE İLARSLAN H. G.  
 Demonstratio Math., 2007 (ESCI)
- VI. **Combinations of distinguished subsets and Cesàro conullity.**  
 İNCE İLARSLAN H. G.  
 Commun. Math. Anal., 2006 (Peer-Reviewed Journal)
- VII. **Cesàro conull FK-spaces.**  
 İnce İlarслан H. G.  
 Demonstratio Math., vol.33, 2000 (ESCI)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Some Results on GBS Operators**  
 İnce İlarслан H. G.  
 IECMSA-2019 8.th International Eurasian Conference on Mathematical Sciences and Applications, Baku, Azerbaijan, 27 - 30 August 2019, pp.282

- II. **Approximation of B-continuous and B-Differentiable Functions by GBS Operators**  
İnce İlarıslan H. G.  
IECMSA-2018 7.nd International Eurasian Conference on Mathematical Sciences and Applications, Kyyiv, Ukraine,  
28 - 31 August 2018, pp.57
- III. **Parametric Generalization of Baskakov Kantorovich-type Operators**  
İnce İlarıslan H. G., Erbay H., Aral A.  
An Istanbul Meeting for World Mathematicians” Minisymposium on Approximation Theory & Minisymposium on  
Math Education, İstanbul, Turkey, 3 - 06 July 2018, pp.147
- IV. **Generalized Lupas Operators**  
İNCE İLARSLAN H. G., ARAL A., Bascanbaz-Tunca G.  
6th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA), Budapest, Hungary,  
15 - 17 August 2017, vol.1926
- V. **Bivariate Meyer-König Zeller Operators**  
İnce İlarıslan H. G.  
14. Matematik Sempozyumu, Niğde, Turkey, 14 - 16 May 2015, pp.40
- VI. **Some Results On FK-Spaces**  
İnce İlarıslan H. G.  
3.rd International Eurasian Conference On Mathematical Sciences And Applications, Vienna, Austria, 25 - 28 August  
2014, pp.89
- VII. **On Bivariate Bernstein-Chlodovsky Operator**  
İnce İlarıslan H. G.  
14.th International Congress on Computational and Applied Mathematics, Antalya, Turkey, 29 September - 02  
October 2009, pp.2
- VIII. **Cesaro Conull FK-Spaces**  
İnce İlarıslan H. G.  
International Workshop on Sequence Spaces and Applications , Ankara, Turkey, 10 - 16 August 1998, pp.14

## Metrics

Publication: 28

Citation (WoS): 56

Citation (Scopus): 58

H-Index (WoS): 4

H-Index (Scopus): 4

## Non Academic Experience

Gazi Üniversitesi

Gazi Üniversitesi

Ankara Üniversitesi