

# Prof. Ömer GÖK

## Personal Information

**Office Phone:** [+90 212 383 4319](tel:+902123834319)

**Web:** <https://avesis.yildiz.edu.tr/gok>

**Address:** YTU Fen Edebiyat Matematik Bölümü, Esenler, İstanbul

## International Researcher IDs

ORCID: 0000-0002-0000-8972

ScopusID: 16052942700

Yoksis Researcher ID: 12690

## Education Information

Doctorate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 1985 - 1990

Postgraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 1981 - 1985

Undergraduate, Selcuk University, Faculty Of Science, Department Of Mathematics, Turkey 1977 - 1981

## Foreign Languages

English, C1 Advanced

## Certificates, Courses and Trainings

Occupational Health and Safety, İş güvenliği ve sağlığı, Yıldız Teknik Üniversitesi, 2016

## Dissertations

Doctorate, On a Bade Type Reflexive Algebra, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Graduate School Of Natural And Applied Sciences, 1990

Postgraduate, Order properties of compact operators on Banach lattices, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, 1985

## Research Areas

Mathematics, Functional Analysis, Natural Sciences

## Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 1994 - 2000

Research Assistant, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, 1983 -

## Supervised Theses

- Gök Ö., Zero-Product preserving operators and product-factorability of bilinear maps, Doctorate, E.ERDOĞAN(Student), 2018
- Gök Ö., Kuadratik sayı cisimlerinde çarpanlara ayırma, ideal sınıf grubu ve L-fonksiyonları, Doctorate, B.KÖKLÜCE(Student), 2016
- GÖK Ö., Maksimal baskınlaştırılmış operator yarı grupları, Postgraduate, D.YILMAZ(Student), 2016
- GÖK Ö., Pozitif operatörlerde değişmez altörgüler, Postgraduate, M.HAFEZ(Student), 2016
- GÖK Ö., Banach uzaylarında ve Banach latislerde değişmez alt uzaylar üzerine, Postgraduate, E.DEMİRBİLEK(Student), 2016
- GÖK Ö., Çarpım operatörleri, Postgraduate, E.ÇELİK(Student), 2016
- GÖK Ö., Düzgün konveks Banach uzaylarında Daugavet denklemi, Postgraduate, C.KUYUMCU(Student), 2016
- GÖK Ö., Archimedean hemen hemen f-cebirlerinde sıralı sınırlı türetmeler, Postgraduate, A.ELMA(Student), 2016
- GÖK Ö., Sürekli fonksiyonların latisleri üzerindeki homomorfizmalar, Postgraduate, N.ÖZTÜRK(Student), 2016
- GÖK Ö., Banach uzaylarında lineer operatörlerin kümesinin refleksifliği, Postgraduate, S.KOZAN(Student), 2016
- GÖK Ö., İndirgenemez operatörler, Postgraduate, E.ALTINBİLEZİK(Student), 2016
- GÖK Ö., Pre-Riesz uzaylarında idealler ve bandlar, Postgraduate, F.ŞEKER(Student), 2016
- GÖK Ö., Daugavet özellikli Banach uzayları, Postgraduate, D.TETİK(Student), 2016
- Gök Ö., Banach uzayları üzerinde bir buçuk-geçişli ve yerelleştirme operatör cebirleri, Doctorate, E.DEMİR(Student), 2016
- Gök Ö., Topolojik olarak zengin merkezli banach latislerde maharam operatörleri, Doctorate, F.ÖZTÜRK(Student), 2016
- GÖK Ö., Pozitif operatör yarıgruplarının ideal üçgenleştirilebilirliği, Postgraduate, U.AĞLAN(Student), 2016
- GÖK Ö., Hemen hemen F-cebirleri ve D-cebirlerinin sıralı ikinci duali, Postgraduate, S.CAN(Student), 2016
- Gök Ö., Değişmez alt uzay problemi, Doctorate, P.ALBAYRAK(Student), 2016
- GÖK Ö., L- zayıf ve m-zayıf kompakt operatörler, Postgraduate, M.ENGELKIRAN(Student), 2016
- Gök Ö., Banach F-modüllerinin merkezi ve F-ortomorfizmalar üzerinde genişletilmiş sonuçlar, Doctorate, Ş.PESTİL(Student), 2016
- Gök Ö., Abelian olmayan kompakt lie grupları üzerinde kontrol sistemleri, Doctorate, E.GÜL(Student), 1997

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

- I. **On the Lattice Properties of Almost L-Weakly and Almost M-Weakly Compact Operators**  
Akay B., GÖK Ö.  
JOURNAL OF FUNCTION SPACES, vol.2021, 2021 (SCI-Expanded)
- II. **Product factorability of integral bilinear operators on Banach function spaces**  
ERDOĞAN E., Sánchez Pérez E., GÖK Ö.  
Positivity, vol.23, no.3, pp.671-696, 2019 (SCI-Expanded)
- III. **Convolution factorability of bilinear maps and integral representations**  
ERDOĞAN E., GÖK Ö.  
Indagationes Mathematicae, vol.29, no.5, pp.1334-1349, 2018 (SCI-Expanded)

## Articles Published in Other Journals

- I. **B-bimorphisms**  
Gök Ö.  
International Journal of Applied Mathematics, vol.32, pp.45-50, 2019 (Scopus)

- II. **On semicompact operators**  
Gök Ö.  
ROMAI Journal, vol.14, no.1, pp.143-147, 2018 (Peer-Reviewed Journal)
- III. **On the adjoints of biorthomorphisms**  
Gök Ö.  
International Mathematical Forum, vol.12, no.3, pp.97-102, 2017 (Conference Book)
- IV. **On the ideal center of a dual vector lattice**  
Özcan S., GÖK Ö.  
International Journal of Mathematical Analysis, vol.9, pp.15-18, 2015 (Scopus)
- V. **On some properties related to order dual of an f-module**  
Özcan S., GÖK Ö.  
International Journal of Mathematical Analysis, vol.8, pp.1249-1253, 2014 (Scopus)
- VI. **A note on A-linear operators on Banach A-module**  
Uluocak E., GÖK Ö.  
International Journal of Mathematical Analysis, vol.8, pp.1945-1950, 2014 (Scopus)
- VII. **Extended results on f-orthomorphisms over the second order dual of an f-algebra**  
Gök Ö., Yıldız Ş.  
Pure Math. Sci., vol.2, no.3, pp.109-114, 2013 (Conference Book)
- VIII. **A note on the order bidual of f-modules**  
Gök Ö., Uluocak E.  
Pure Math. Sci., vol.2, no.1, pp.23-28, 2013 (Conference Book)
- IX. **On the center of Banach f-modules**  
Gök Ö., Yıldız Ş.  
Pure Math. Sci., vol.2, no.1, pp.49-54, 2013 (Conference Book)
- X. **On Maharam Operators on Banach Lattices with Topologically Rich Center**  
Gök Ö., Çeliker F.  
International Mathematical Forum, vol.6, pp.431-438, 2011 (Peer-Reviewed Journal)
- XI. **On Invariant Subspaces of Weakly Compact Friendly Operators**  
GÖK Ö., ALBAYRAK P.  
International Journal of Contemporary Mathematical Sciences, vol.4, pp.259-266, 2009 (Peer-Reviewed Journal)
- XII. **A note on invariant subspaces in locally convex space.**  
GÖK Ö.  
Mat. Stud., vol.32, no.1, pp.73-75, 2009 (Peer-Reviewed Journal)
- XIII. **On Weakly Compact Friendly Operators**  
GÖK Ö., ALBAYRAK P.  
International Journal of Pure and Applied Math., vol.50, pp.609-613, 2009 (Peer-Reviewed Journal)
- XIV. **A note on integration with respect to vector measures.**  
GÖK Ö.  
Int. J. Pure Appl. Math., vol.20, no.3, pp.333-336, 2005 (Peer-Reviewed Journal)
- XV. **A note on operators conjugate to d-homomorphisms.**  
GÖK Ö.  
Int. J. Pure Appl. Math., vol.23, no.1, pp.89-92, 2005 (Peer-Reviewed Journal)
- XVI. **On reducibility of adjoint semigroups of positive operators on a normed Riesz space.**  
GÖK Ö.  
Int. J. Pure Appl. Math., vol.22, no.1, pp.89-93, 2005 (Peer-Reviewed Journal)
- XVII. **On semigroups of positive operators on Banach lattices.**  
GÖK Ö.  
Int. J. Pure Appl. Math., vol.21, no.1, pp.79-82, 2005 (Peer-Reviewed Journal)
- XVIII. **A note on Lomonosov space and invariant subspaces.**  
GÖK Ö.  
Int. J. Pure Appl. Math., vol.16, no.1, pp.33-38, 2004 (Peer-Reviewed Journal)

- XIX. **A note on an inverse closed algebra on Banach  $C(K)$ -modules.**  
GÖK Ö.  
Int. J. Pure Appl. Math., vol.14, no.2, pp.169-173, 2004 (Peer-Reviewed Journal)
- XX. **A theorem of W. J. Ricker on spectral measures.**  
GÖK Ö.  
Int. Math. J., vol.5, no.2, pp.129-132, 2004 (Peer-Reviewed Journal)
- XXI. **On Maharam extensions of positive operators on Banach lattices.**  
GÖK Ö.  
Int. Math. J., vol.5, no.2, pp.133-140, 2004 (Peer-Reviewed Journal)
- XXII. **On the inverse closedness of the weak\* closed algebra generated by the Boolean algebra of projections.**  
GÖK Ö.  
Int. Math. J., vol.3, no.11, pp.1215-1221, 2003 (Peer-Reviewed Journal)
- XXIII. **A note on transitive operator algebras.**  
GÖK Ö.  
Int. J. Pure Appl. Math., vol.5, no.1, pp.105-109, 2003 (Peer-Reviewed Journal)
- XXIV. **On  $C(K)$ -orthomorphisms.**  
GÖK Ö.  
Math. Sci. Res. J., vol.7, no.2, pp.72-78, 2003 (Peer-Reviewed Journal)
- XXV. **On Maharam extensions of positive operators on Banach  $f$ -modules.**  
GÖK Ö.  
Int. J. Pure Appl. Math., vol.11, no.3, pp.309-321, 2002 (Peer-Reviewed Journal)
- XXVI. **On Maharam extensions of positive operators in the order duals of Riesz spaces.**  
GÖK Ö.  
Int. J. Pure Appl. Math., vol.11, no.1, pp.95-105, 2002 (Peer-Reviewed Journal)
- XXVII. **On transitive operator algebras in locally convex spaces.**  
GÖK Ö.  
Int. J. Pure Appl. Math., vol.10, no.2, pp.191-196, 2002 (Peer-Reviewed Journal)
- XXVIII. **An algebraically reflexive representation result of the second dual of  $C(K)$ .**  
GÖK Ö.  
Int. J. Appl. Math., vol.9, no.1, pp.21-26, 2002 (Peer-Reviewed Journal)
- XXIX. **A result on strictly separating functionals.**  
GÖK Ö.  
Int. J. Pure Appl. Math., vol.1, no.2, pp.161-196, 2002 (Peer-Reviewed Journal)
- XXX. **On reflexivity of  $m(C(K))$ .**  
GÖK Ö.  
Demonstratio Math., vol.35, no.1, pp.125-128, 2002 (Peer-Reviewed Journal)
- XXXI. **The band of nilpotents in the second order dual of an  $f$ -algebra.**  
GÖK Ö.  
Int. J. Pure Appl. Math., vol.5, no.2, pp.163-170, 2001 (Peer-Reviewed Journal)
- XXXII. **On the dependence of disjointness preserving operators.**  
GÖK Ö.  
Int. J. Appl. Math., vol.6, no.3, pp.271-277, 2001 (Peer-Reviewed Journal)
- XXXIII. **On reflexivity of closed unital subalgebras in locally convex spaces.**  
GÖK Ö.  
Demonstratio Math., vol.34, no.1, pp.105-110, 2001 (Peer-Reviewed Journal)
- XXXIV. **On the universal completion of the weak \* closed algebra generated by the Boolean algebra of projections.**  
GÖK Ö.  
Int. J. Appl. Math., vol.5, no.4, pp.431-439, 2001 (Peer-Reviewed Journal)
- XXXV. **Vector optimization in ordered Banach spaces.**

- GÖK Ö., Azimov A.  
Int. J. Appl. Math., vol.2, no.11, pp.1349-1362, 2000 (Peer-Reviewed Journal)
- XXXVI. **On reducibility in Banach spaces.**  
GÖK Ö.  
Int. J. Appl. Math., vol.2, no.7, pp.859-865, 2000 (Peer-Reviewed Journal)
- XXXVII. **Dual reflexivity theorem in  $C^*$ -modules.**  
GÖK Ö.  
Demonstratio Math., vol.33, no.1, pp.131-133, 2000 (Peer-Reviewed Journal)
- XXXVIII. **On the bicommutant theorem for strongly equicontinuous Boolean algebras of projections in locally convex spaces and resolutions of the identity of scalar-type spectral operators in Banach  $C(K)$ -modules.**  
GÖK Ö.  
Int. J. Appl. Math., vol.2, no.10, pp.1245-1258, 2000 (Peer-Reviewed Journal)
- XXXIX. **On dual Bade theorem in locally convex  $C(K)$ -modules.**  
GÖK Ö.  
Demonstratio Math., vol.32, no.4, pp.807-810, 1999 (Peer-Reviewed Journal)
- XL.  **$d$ -modules.**  
GÖK Ö.  
Int. J. Appl. Math., vol.1, no.5, pp.575-582, 1999 (Peer-Reviewed Journal)
- XLI. **The dual Bade theorem in locally convex spaces and reflexivity of a closed unital subalgebra.**  
GÖK Ö.  
Proyecciones, vol.18, no.1, pp.77-89, 1999 (Scopus)
- XLII. **On reflexivity of scalar-type spectral operators.**  
GÖK Ö.  
Demonstratio Math., vol.32, no.2, pp.433-439, 1999 (Peer-Reviewed Journal)
- XLIII. **On disjointness preserving operators in Banach  $C(K)$ -modules.**  
GÖK Ö.  
Int. J. Appl. Math., vol.1, no.1, pp.127-130, 1999 (Peer-Reviewed Journal)
- XLIV. **Semigroups in Banach  $C(K)$ -modules and their adjoints.**  
GÖK Ö.  
Demonstratio Math., vol.31, no.3, pp.547-552, 1998 (Peer-Reviewed Journal)
- XLV. **Characterization of the dual center of barrelled spaces.**  
GÖK Ö.  
Demonstratio Math., vol.31, no.2, pp.285-288, 1998 (Peer-Reviewed Journal)

## Books

- I. **Fonksiyonel Analize Giriş**  
Gök Ö.  
Üniversite Yayınları, İstanbul, 1997
- II. **Reel Analiz**  
Gök Ö.  
Üniversite Yayınları, İstanbul, 1997

## Papers Published in Refereed Scientific Meetings

- I. **A note on tensor product of Archimedean vector lattices**  
Gök Ö.  
Algebraic and geometric methods of analysis, Odesa, Ukraine, 26 - 30 May 2020, pp.18

- II. **On the center of class of regular Dunford-Pettis Operators**  
Gök Ö.  
Infinite dimensional Analysis and Topology, Ivano-Frankivsk, Ukraine, 16 - 20 October 2019, pp.16
- III. **On extensions of d-lattice bismorphisms**  
Gök Ö.  
IMCS-55, the 5 th conference oof mathematics and computer sciences in Moldova, Chisinau, Moldova, 28 September - 01 October 2019, pp.63-67
- IV. **On the class of AM-compact operators**  
Gök Ö.  
27 th annual conference on applied and industrial mathematics, CAIM 2019, Targu-Mures, Romania, 19 - 22 September 2019, pp.13-14
- V. **On b-semicompact operators**  
Gök Ö.  
Banach spaces and their applications, Lviv, Ukraine, 26 - 29 June 2019, pp.23
- VI. **On extensions of almost lattice bismorphisms**  
Gök Ö.  
Algebraic and topological methods of analysis, Odesa, Ukraine, 28 May - 03 June 2019, pp.5-6
- VII. **A Note on Maharam Operators**  
GÖK Ö., ÇELİKER F.  
5th INTERNATIONAL IFS AND CONTEMPORARY MATHEMATICS CONFERENCE, Kahramanmaraş, Turkey, 05 September 2018, pp.41
- VIII. **Reflexivity**  
GÖK Ö.  
International conference dedicated 120 th Anniversary of Stefan Banach 2012, Lviv, Ukraine, 01 September 2012
- IX. **A note on disjointness preserving operators**  
GÖK Ö.  
24 th conference on Operator Theory, Timișora, Romania, 01 July 2012
- X. ....  
GÖK Ö.  
Theory of approximation of functions and its applications dedicated A.I.Stepanets, Kamnits-Podilsky, Ukraine, 01 May 2012
- XI. ....  
GÖK Ö.  
International conference theory of approximation of functions and its applications, 01 May 2012
- XII. **Band Preserving Operators on Banach lattices**  
GÖK Ö.  
!9 th Annual conference onApplied and Industrial Mathematics, Iasi,Romania, 01 September 2011

## Supported Projects

GÖK Ö., Project Supported by Higher Education Institutions, f-cebirleri ve f-modüllerinin sıralı ve ikinci sıralı duali üzerindeki Lineer operatörler ve ortomorfizmalar, 2014 - 2015

GÖK Ö., Project Supported by Higher Education Institutions, Banach F-Modüllerinin merkezi ve F-Ortomorfizmalar üzerine Genişletilmiş sonuçlar, 2012 - 2013

## Metrics

Publication: 64

Citation (WoS): 6

Citation (Scopus): 4

H-Index (WoS): 2

H-Index (Scopus): 2