Prof. BÜLENT YILMAZ

Personal Information

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International Researcher IDs
ScholarID: WZv8eegAAAAJ&hl
ORCID: 0000-0002-1394-230X
Publons / Web Of Science ResearcherID: R-8705-2016
ScopusID: 57189925971
Yoksis Researcher ID: 173491

Education Information

Doctorate, Istanbul Technical University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey
1992 - 1999
Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied
Sciences, Matematik (Yl) (Tezli), Turkey 1989 - 1992
Undergraduate, Ege University, Faculty Of Science, Matematik Bölümü, Turkey 1984 - 1988

Certificates, Courses and Trainings

Personal Evolution, Professional Coaching Training Certificate(ICF, House of Human), ICF, House of Human, 2012
Establishing and Managing a Company, Yönetici sertifikası(Kosgeb), (Kosgeb), 2004

Dissertations

Doctorate, Bazı İki boyutlu saçılma problemlerindeYüksek Mertebe Yüzey Üstü Radyasyon koşulu yöntemi, Istanbul
Technical University, Matematik Bölümü, 1999
Postgraduate, Yüzey üstü rdayasyon koşulu yöntemi, Marmara Üniversitesi, Institute for Graduate Studies in Pure and
Applied Sciences, Matematik (Yl) (Tezli), 1992

Research Areas

Mathematics, Differential Equations, Integral Equations, Partial Differential Equations, Mathematics Education,
Optimization, Numerical Analysis

Academic Titles / Tasks

Professor, Marmara University, Faculty of Arts and Sciences, Mathematics, 2021 - Continues

Academic and Administrative Experiences

Coordinator of The Rectorate, Marmara University, Rectorate, 2018 - Continues
Other Academic Duty, Marmara University, Faculty of Arts and Sciences, Mathematics, 2013 - Continues
Fakülte Kurulu Üyesi, Marmara University, Faculty of Arts and Sciences, Mathematics, 2018 - 2021
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Marmara University, Faculty of Arts and Sciences, Mathematics, 2015 - 2021
Other Academic Duty, Marmara University, Faculty of Arts and Sciences, Mathematics, 2015 - 2018
Deputy Head of Department, Marmara University, Faculty of Arts and Sciences, Mathematics, 2016 - 2017
Birim Tanıtım ve Mezunlarla İlişkiler Komisyonu Başkanı, Marmara University, Faculty of Arts and Sciences, Mathematics, 2014 - 2015
Deputy Head of Department, Marmara University, Faculty of Arts and Sciences, Mathematics, 2000 - 2007

Courses

Postgraduate
KISMİ TÜREVLİ DİF. DENK. SEÇME KONULAR 1-2, Postgraduate, 2018 - 2019
Undergraduate
DİFERANSİYEL DENKLEMLER, Undergraduate, 2018 - 2019
Kariyer, Undergraduate, 2017 - 2018
GENEL MATEMATİK, Undergraduate, 2018 - 2019
SOSYAL BİLİMLERİ İÇİN İSTATİSTİK, Undergraduate, 2018 - 2019
İNTEGRAL DENKLEMLER, Undergraduate, 2017 - 2018
SAYISAL YÖNTEMLER, Undergraduate, 2017 - 2018
Temel Matematik, Undergraduate, 2017 - 2018
OPTİMİZASYON GİRİŞ, Undergraduate, 2017 - 2018
İntegral Denklemler, Undergraduate, 2016 - 2017
Kariyere Giriş, Undergraduate, 2017 - 2018
MATRİS TEORİSİ, Undergraduate, 2016 - 2017
Sayısal yöntemler, Undergraduate, 2016 - 2017
NÜMERİK ANALİZ, Undergraduate, 2012 - 2013
KISMİ TÜREVLİ DİF.DENKLEMLER, Undergraduate, 2012 - 2013

Supervised Theses

Yılmaz B., Gecikmeli Diferansiyel Denklemlerde Lambert W Fonksiyonu Uygulamaları, Postgraduate, V.Yaman(Student), 2019
YILMAZ B., II. çeşit integral denklemlerin nümerik çözümleri, Postgraduate, Y.Çetin(Student), 2017
Yılmaz B., II. çeşit Fredholm integral denklemlerinin nümerik çözümleri, Postgraduate, Y.ÇETİN(Student), 2017
Yılmaz B., Self-adjoint olmayan diferansiyel operatörlerin asimptotik ve nümerik analizi, Doctorate, S.DİNİBÜTÜN(Student), 2013
Yılmaz B., Regüler diferansiyel operatörlerin özdeğerleri için asimptotik formüller ve nümerik yaklaşımlar, Doctorate, G.YILDIZ(Student), 2012
Yılmaz B., Helmholtz denkleminin nümerik çözümlerinin karşılaştırılması, Postgraduate, H.GÖKSEL(Student), 2010
Yılmaz B., Bir fonksiyonun türevinin lagrange interpolasyonu ile hesaplanması, Postgraduate, Ş.ŞADİ(Student), 2008
Yılmaz B., Sonlu elemanlar yönteminin kısmi türevli denklemlere uygulanması, Postgraduate, F.HÜSEM(Student), 2004

Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Milli Savunma Üniversitesi, June,

2018

Academic Staff Examination, Academic Staff Examination, Milli Savunma Üniversitesi, June, 2018

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, June, 2018

Doctorate, Doctorate, Gebze Teknik Üniversitesi, May, 2018

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Milli Savunma Üniversitesi, May, 2018

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Milli Savunma Üniversitesi, May, 2018

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, January, 2018

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, May, 2016

Post Graduate, Post Graduate, Marmara Üniversitesi, May, 2015

Post Graduate, Post Graduate, Marmara Üniversitesi, May, 2014

Competition, Doğuş üniversitesi Liseler Arası Matematik yarışması Jüri Üğeliği 2011, Doğuş Üniversitesi, April, 2011

Post Graduate, Post Graduate, Marmara Üniversitesi, May, 2010

Post Graduate, Post Graduate, Marmara Üniversitesi, May, 2009

Competition, Doğuş üniversitesi Liseler Arası Matematik yarışması Jüri Üğeliği 2009, Doğuş Üniversitesi, May, 2009

Post Graduate, Post Graduate, Marmara Üniversitesi, May, 2008

Post Graduate, Post Graduate, Marmara Üniversitesi, May, 2008

Post Graduate, Post Graduate, Marmara Üniversitesi, May, 2008

Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, May, 2007

Post Graduate, Post Graduate, Marmara Üniversitesi, May, 2003

Post Graduate, Post Graduate, Marmara Üniversitesi, May, 2002

Designed Lessons

Undergraduate

Yılmaz B., KARİYERE GİRİŞ, Undergraduate, 2017 - 2018

Yılmaz B., KARİYER, Undergraduate, 2016 - 2017

Taught Courses And Trainings

Yılmaz B., Yeni Nesil Öğretmenlik, 2018 - 2018

Yılmaz B., Yeni Nesil Öğretmenlik, 2018 - 2018

Yılmaz B., MATEMATİK KAMPI, 2016 - 2016

Yılmaz B., Matematik Kampı, 2016 - 2016

Yılmaz B., Matematik Kampı, 2015 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Inverse scattering on the half-line for generalized ZS-AKNS system with general boundary conditions**
İSMAİLOV M., YILMAZ B.
JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS, vol.26, no.1, pp.155-167, 2019 (SCI-Expanded)

II. **First order self-adjoint multipoint quasi-differential operators**
Ozturk Mert R., YILMAZ B., İSMAİLOV Z.
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.4, pp.2071-2079, 2018 (SCI-Expanded)

III. **FIRST-ORDER SELFADJOINT SINGULAR DIFFERENTIAL OPERATORS IN A HILBERT SPACE OF VECTOR FUNCTIONS**

İPEK AL P., YILMAZ B., İSMAİLOV Z.

ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2017 (SCI-Expanded)

IV. **BOUNDEDLY SOLVABLE EXTENSIONS OF DELAY DIFFERENTIAL OPERATORS**

GÜLER B. Ö., YILMAZ B., İSMAİLOV Z.

ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2017 (SCI-Expanded)

V. **Bounded solvability of mixed type functional differential operators for first order**

YILMAZ B., Ismailov Z.

Electronic Journal of Differential Equations, 2016 (SCI-Expanded)

VI. **The Computation of the Magnitude of the Far Field for an Eccentric Circular Cylinder**

Yilmaz B.

ADVANCES IN MATHEMATICAL PHYSICS, 2015 (SCI-Expanded)

VII. **Asymptotic and Numerical Methods in Estimating Eigenvalues**

Yildiz G., YILMAZ B., Veliev O. A.

MATHEMATICAL PROBLEMS IN ENGINEERING, 2013 (SCI-Expanded)

VIII. **The performance of the higher-order radiation condition method for the penetrable cylinder**

Yilmaz B.

MATHEMATICAL PROBLEMS IN ENGINEERING, 2007 (SCI-Expanded)

IX. **The performance of the OSRC method for concentric penetrable circular cylinder**

Yilmaz B.

JOURNAL OF MATHEMATICAL PHYSICS, vol.47, no.4, 2006 (SCI-Expanded)

X. **Asymptotic formulas for Dirichlet boundary value problems**

Yilmaz B., Veliev O.

STUDIA SCIENTIARUM MATHEMATICARUM HUNGARICA, vol.42, no.2, pp.153-171, 2005 (SCI-Expanded)

Articles Published in Other Journals

I. **MULTIPOINT SELFADJOINT QUASI-DIFFERENTIAL OPERATORS FOR FIRST ORDER**

Mert R. O., YILMAZ B., İSMAİLOV Z.

COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.68, no.1, pp.964-972, 2019 (ESCI)

II. **Discreteness of Spectrum of Normal Differential Operators for First Order**

ÖZTÜRK MERT R., İPEK AL P., YILMAZ B., İSMAİLOV Z.

Turkish Journal of Mathematics and Computer Science, vol.10, pp.67-73, 2018 (Peer-Reviewed Journal)

III. **Solutions of Nonlinear Delay Differential Equations by Daftardar Jafari Method**

YILMAZ B., YAMAN V.

Turkish Journal of Mathematics and Computer Science, pp.95-106, 2018 (Peer-Reviewed Journal)

IV. **The General Form of Normal Quasi-Dierential Operators for First Orderand Their Spectrum**

İPEK AL P., YILMAZ B., İSMAİLOV Z.

Turk. J. Math. Comput. Sci., vol.8, pp.22-28, 2018 (Peer-Reviewed Journal)

V. **Iterative Methods For Solving Nonlinear Lane-Emden Equations]{Iterative Methods For Solving Nonlinear Lane-Emden Equations**

YILMAZ B., YAMAN V., UÇAR F.

Marmara Fen Bilimleri Dergisi, pp.196-209, 2018 (Peer-Reviewed Journal)

VI. **Numerical solutions of the Fredholm integral equationsof the second type**

YILMAZ B., CETİN Y.

New Trends in Mathematical Sciences, vol.5, pp.284-292, 2017 (Peer-Reviewed Journal)

VII. **DELAY DIFFERENTIAL OPERATORS AND SOME SOLVABLE MODELS IN LIFE SCIENCES**

Ipek P., Yilmaz B., Ismailov Z. I.

COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.66, no.2, pp.91-99, 2017 (ESCI)

VIII. **Comparison of the Eigenvalues for Neumann Boundary Value Problems**
YILMAZ B.
International Bulletin of Mathematical Research, vol.3, pp.73-81, 2016 (Peer-Reviewed Journal)

IX. **The Effect of the Singular Potential Functions forEigenvalues of Sturm Lıouville Operators**
YILMAZ B.
Mathematical Sciences and Applications E-Notes, vol.4, pp.15-23, 2016 (Peer-Reviewed Journal)

X. **On The Spectrums Of Some Class Of Self adjointSingular Differential Operators**
YILMAZ B., ISMAILOV, Z., MERT R. Ö.
Commun. Fac. Sci. Univ. Ank. Sér. A1 Math. Stat., vol.65, pp.137-145, 2016 (Peer-Reviewed Journal)

XI. **Sturm Liouville Operatörünün Sayısal Özdeğerleri**
YILMAZ B., YILDIZ G.
Niğde Üniversitesi Mühendislik Bilimleri Dergisi, Cilt 2, Sayı 2, (2013), 43-49, 2013 (Peer-Reviewed Journal)

XII. **Numerical Computation of The p th derivative of a Function**
YILMAZ B.
Selçuk Journal of Applied Mathematics, 2011 (Peer-Reviewed Journal)

XIII. **Higher Order Surface Radiation Condition Approach to the Solution of the Neumann problem for the Helmholtz Equation**
YILMAZ B.
Journal of Faculty of Science Ege University.Vol 24, 2, 39-51 (2002), 2002 (Peer-Reviewed Journal)

XIV. **Higher Order Surface Radiation Condition Approach to the Solution of the Dirichlet problem for the Helmholtz Equation**
YILMAZ B.
Journal of Faculty of Science Ege University.Vol 24, 2, 39-51 (2001), 2001 (Peer-Reviewed Journal)

Books

I. **İnternational conference on applied mathematics modeling and life science problems**
Yılmaz B. (Editor)
Marmara Yayınları, İstanbul, 2018

II. **İSTATİSTİK**
Yılmaz B.
Nobel Yayın Dağıtım, Ankara, 2018

III. **International conference on applied analysis and mathematical modeling**
Yılmaz B. (Editor)
Yıldız Yayınları, İstanbul, 2017

Papers Published in Refereed Scientific Meetings

I. **Application of Adomian Decomposition Method to Predator-Prey Model with time delay**
YILMAZ B., YAMAN V.
International conference on applied mathematics, modeling and Life Sciences, 3 - 05 October 2018

II. **Numerical Solutions of Nonlinear Pantograph Type Delay Differential Equations.**
YAMAN V., YILMAZ B.
International Conference on Mathematics and Mathematics Education, 27 - 29 June 2018

III. **Numerical Solutions of Boundary Value Problems for Non-linear Delay DfferentialEquation**
YILMAZ B., YAMAN V.
6th International Eurasian Conference on Mathematical Sciences and Applicationa, 15 - 18 August 2017

IV. **Maximal Dissipative Singular Quasi-Differential Operators For First Order**
YILMAZ B., İPEK P., İSMAİLOV Z.

International Conference on Applied Analysis and Mathematical Modeling, 3 - 07 July 2017

V.   **Multipoint Selfadjoint Quasi-differential Operators for First Order**
Mert R. ö., YILMAZ B., İSMAİLOV Z.
International Conference on Applied Analysis and Mathematical Modeling, 3 - 07 July 2017

VI.   **Comparison of Daftardar-Jafari Method with Adomian Decomposition andDifferential Transformation Methods in Solving Non-linear Lane-Emden Equations**
YAMAN V., YILMAZ B.
International Conference on Applied Analysis and Mathematical Modeling, 3 - 07 July 2017

VII.   **The General Form of Normal Quasi-Differential Operators for First Order**
İPEK P., YILMAZ B., İSMAİLOV Z.
International Conference on Applied Analysis and Mathematical Modeling, 3 - 07 July 2017

VIII.   **Estimation of the Eigenvalues for Neumann Boundary Value Problems**
YILMAZ B.
The "5th International Eurasian Conference on Mathematical Sciences and Applications, 16 - 19 August 2016

IX.   **Delay Differential Operators and Some Solvable Models in Life Sciences**
İPEK P., İSMAİLOV Z., YILMAZ B.
2nd International Conference on Analysis and Its Applications, 12 - 15 July 2016

X.   **The comparision of the Eigenvalues of Sturm Liouville Operators**
YILMAZ B.
4th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2015), Atina, Greece, 30 August - 03 September 2015

XI.   **Değişen Dünya ve Gençlerin Bakış açısı**
YILMAZ B.
2nd World Conference on Educational and Instructional Studies WCEIS, 1 - 04 June 2013

XII.   **Discreteness of Spectrum of Normal Differential Operators for First Order**
ÖZTÜRK MERT R., İPEK AL P., YILMAZ B., İSMAİLOV Z.
International Conference on Mathematics and Mathematics Education(ICMME-2018), 27 June 2018

XIII.   **İki Boyutlu Saçılma Problemlerinde Yüksek Mertebe Radyasyon Koşulu**
YILMAZ B.
XI. Ulusal Mekanik Kongresi 6 – 10 Eylül 1999, Turkey, 6 - 10 October 1999

Supported Projects

Yılmaz B., Veliev O., Uçar F., TUBITAK Project, Periyodik Potansiyele Sahip Pauli Operatörünün Bazı Spektral Problemler, 2019 - 2020

Yılmaz B., Project Supported by Higher Education Institutions, International conference on applied mathematics, modeling and Life Science Problems (icamls'18), 2018 - 2018

Yılmaz B., Project Supported by Higher Education Institutions, II Çeşit Fredholm İntegral Denklemlerinin Çözüm Yöntemleri, 2016 - 2018

Yılmaz B., Project Supported by Higher Education Institutions, Nonlineer Delay diferansiyel denklemler için Nümerik Metodlar, 2017 - 2017

Yılmaz B., Project Supported by Higher Education Institutions, International conference on applied analysis and mathematical modeling, 2017 - 2017

Yılmaz B., Project Supported by Higher Education Institutions, Neumann sınır değer problemleri için özdeğerlerin kestirimi, 2016 - 2016

Yılmaz B., Project Supported by Higher Education Institutions, Sturm Liouville Operatörünün özdeğerlerinin Karşılaştırılması, 2015 - 2015

Yılmaz B., Project Supported by Higher Education Institutions, Düzlem Dalgaların Penetrable Silindirden Saçılması, 2007 - 2008

Yılmaz B., Project Supported by Higher Education Institutions, Saçılma Problemlerinin Nümerik Çözümleri, 2003 - 2005

Activities in Scientific Journals

http://mcm-www.jwu.ac.jp/~aikit/AMSA/index.html, Editor, 2019 - Continues

Peer Reviews in Scientific Publications

Anadolu University Journal of Science and Technology A - Applied Sciences and Eng. , Other Indexed Journal, January 2018

Marmara Journal of Pure and Applied Sciences, Other Indexed Journal, January 2018

Sakarya University Journal of sciences, Other Indexed Journal, January 2017

TWMS Journal of Applied and Engineering Mathematics, Other Indexed Journal, January 2017

Communication in Mathematical Modeling and Applications, Other Indexed Journal, January 2017

Academic Research Publishing Group, Other Indexed Journal, May 2016

International Online Journal of Educational Sciences , Other Indexed Journal, May 2014

International Online Journal of Educational Sciences , Other Indexed Journal, January 2014

International Online Journal of Educational Sciences , Other Indexed Journal, May 2013

Scientific Consultations

Atatürk Fen Lisesi, Other, Marmara University, Turkey, 2010 - 2014

Acar Fen Lisesi, Other, Marmara University, Turkey, 2011 - 2012

Tasks In Event Organizations

Yılmaz B., 2.MarmaRUN, Social Activities, İstanbul, Turkey, Ekim 2019

Yılmaz B., Marmara Matematik Günleri 2019- MMG19, Workshop Organization, Turkey, Ekim 2019

Kartal S. G., AYDEMİR Z., YILMAZ B., İlkokulda Özgün Eğitici Etkinlikler I. Ulusal Atölye Çalışmaları, Workshop Organization, İstanbul, Turkey, Haziran 2019

Yılmaz B., İlkokulda özgün eğitici etkinlikler, 1. ulusal atölye çalışmaları, Workshop Organization, İstanbul, Turkey, Haziran 2019

Yılmaz B., International Conference On Applied Analysis and Mathematical Modelling, , Scientific Congress, İstanbul, Turkey, Mart 2019

Yılmaz B., MarmaRUN, Sportive Activities, İstanbul, Turkey, Kasım 2018

Yılmaz B., Kırık Rácz B., International conference on applied mathematics, modeling and Life Sciences, Scientific Congress, İstanbul, Turkey, Ekim 2018

Yılmaz B., Marmara Matematik Günleri MMG18, Workshop Organization, İstanbul, Turkey, Eylül 2018

Yılmaz B., International Conference On Applied Analysis and Mathematical Modelling, , Scientific Congress, İstanbul, Turkey, Mayıs 2018

Yılmaz B., Mezunlarımızla Bahar, Social Activities, İstanbul, Turkey, Mayıs 2018

Yılmaz B., Marmara Matematik Günleri MMG17, Workshop Organization, İstanbul, Turkey, Eylül 2017

Yılmaz B., INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, Scientific Congress, İstanbul, Turkey, Temmuz 2017

Yılmaz B., Matematik klübü yılın başarılı ödülleri organizasyonu 2011, Social Activities, İstanbul, Turkey, Mayıs 2011

Yılmaz B., Kadıköy Anadolu Lisesi Liseler arası Matematik yarışması, Scientific Congress, İstanbul, Turkey, Mayıs 2004

Mobility Activity

Other, Workshop, ÖSYM, Turkey, 2001 - 2001

Metrics

Publication: 41
Citation (WoS): 20
Citation (Scopus): 14
H-Index (WoS): 2
H-Index (Scopus): 2

Congress and Symposium Activities

International conference on applied mathematics, modeling and Life Sciences, Working Group, İstanbul, Turkey, 2018
nternational Conference on Mathematics and Mathematics Education, Working Group, Ordu, Turkey, 2018
6th International Eurasian Conference on Mathematical Sciences and Applicationa, Working Group, Budapest, Hungary, 2017
International Conference on Applied Analysis and Mathematical Modeling, Working Group, İstanbul, Turkey, 2017
The "5th International Eurasian Conference on Mathematical Sciences and Applications, Working Group, Belgrade, Serbia And Montenegro, 2016
4th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2015), Working Group, Athens, Greece, 2015
2nd World Conference on Educational and Instructional Studies WCEIS, Working Group, Antalya, Turkey, 2013
XI. Ulusal Mekanik Kongresi 6 – 10 Eylül 1999, Working Group, Bolu, Turkey, 2009

Invited Talks

Meslek Seçimi, Seminar, Tercih Fuarı, Turkey, July 2017
Kapının Arkasındaki Hayat, Seminar, Üniversite Tercih fuarı, Turkey, July 2016

Awards

Yılmaz B., yayın teşvik, Tübitak, May 2019
Yılmaz B., Yayın teşvik, Tübitak, January 2015
Yılmaz B., Yılın en iyi eğitim sitesi çalışması ödülü, Yarının Liderleri Projesi, May 2011
Yılmaz B., Yayın Teşvik, Tübitak, May 2007
Yılmaz B., Yayın Teşvik, Tübitak, May 2006
Yılmaz B., Yayın Teşvik, Tübitak, May 2005

Non Academic Experience

yedikule lisesi, öğretmen