

# AYDIN SEÇER

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### Öğrenim Bilgisi

Doktora

2006 - 2011

Atatürk Üniversitesi, Fen Fakültesi, Matematik, Türkiye

Yüksek Lisans

2003 - 2006

Atatürk Üniversitesi, Uygulamalı Matematik, Türkiye

Lisans

1997 - 2001

Atatürk Üniversitesi, Matematik, Türkiye

### Yabancı Diller

İngilizce, C1 İleri

### Sertifika, Kurs ve Eğitimler

Bilişim, Milestone Camera Surveillance Management, Milcestone INC., 2009

Bilişim, Yazılım Uzmanlığı Üstün Başarı Sertifikası, BİLGE ADAM, 2007

Bilişim, CISCO Networking, Atatürk Üniversitesi, 2002

### Yaptığı Tezler

Doktora, Ontology Mapping Using Bipartite GRAPH, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, 2012

Yüksek Lisans, Lineer Kodların Bilgisayar Desteği İle Hesaplanması, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Matematik/Uygulamalı Matematik, 2006

### Akademik Unvanlar / Görevler

Prof.Dr.

2019 - Devam Ediyor

Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Matematik Müh.Bölümü

Doç.Dr.

2014 - 2019

Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Matematik Müh.Bölümü

Yrd.Doç.Dr.

2011 - 2014

Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Matematik Müh.Bölümü

Araştırma Görevlisi

2003 - 2008

Atatürk Üniversitesi, Matematik Bölümü

## Desteklenen Projeler

1. SEÇER A., ÖZDEMİR N., Yükseköğretim Kurumları Destekli Proje, Kısmi Diferansiyel Denklemlerin Sayısal Çözümleri için Dalgacık Bazlı Galerkin ve Sıralama Metotları, 2020 - 2021
2. SEÇER A., SAĞDIÇ O., Yükseköğretim Kurumları Destekli Proje, Kompleks gıda sistemlerinin bazı fiziksel özelliklerinin optimizasyonu ve modellenmesinde yüzey tepki metodu ve bulanık mantık sistemlerinin kullanımı ve tanımlayıcı matematiksel simülasyon fonksiyonlarının geliştirilmesi, 2012 - 2018
3. SEÇER A., SAĞDIÇ O., Yükseköğretim Kurumları Destekli Proje, Doğrusal olmayan davranış gösteren gıda sistemlerinin yatışkan faz, dinamik titreşimli kayma ve sürünme toparlanması özelliklerinin optimizasyonu ve modellenmesinde yüzey tepki metodunun kullanımı ve tanımlayıcı matematiksel simülasyon fonksiyonlarının geliştirilmesi, 2012 - 2018
4. SEÇER A., Diğer Özel Kurumlarca Desteklenen Proje, MOBISAY-RFID GERÇEK ZAMANLI SAYIM SİSTEMİ, 2016 - 2017
5. SEÇER A., Diğer Resmi Kurumlarca Desteklenen Proje, TARİHİ ESERLERİN RFID(RADYO FREKANSI) TEKNOLOJİSİ İLE SAYIMI ve TAKİBİ, 2015 - 2016
6. SEÇER A., Diğer Resmi Kurumlarca Desteklenen Proje, Elektronik Doküman Yönetim Sistemi (EDYS), 2014 - 2015
7. SEÇER A., Milli Saraylar Web Tabanlı Elektronik bilet satış modülü (Komple Yapımı), 2011 - 2011
8. SEÇER A., TBMM ve Milli Saraylar RFID teknolojisi ile demirbaş sayım sistemi(Yazılım dahil geliştirilmesi), 2011 - 2011
9. SEÇER A., Milli saraylar konukları IP Tabanlı call center yazılımı(Komple Geliştirilmesi), 2011 - 2011
10. SEÇER A., Milli Saraylar Web Portalı www.millisaraylar.gov.tr (komple yapımı), 2011 - 2011
11. SEÇER A., Bina Envanteri Sistemi, 2009 - 2011
12. SEÇER A., Kültür Bakanlığı Bilgi Paylaşım Web Servisi (Dublin Core Metadata) ( (Komple Yapımı)), 2010 - 2010
13. SEÇER A., Milli Saraylar, Başkanlık Randevu sistemi yazılımı (Komple Yapımı), 2010 - 2010
14. SEÇER A., Milli Saraylar Anlık Mesaj Sistemi (Komple Yapımı), 2010 - 2010
15. SEÇER A., TBMM ve Milli Saraylar personel izin sistemi (Komple Yapımı), 2009 - 2010
16. SEÇER A., Milli Saraylar Rezervasyonlu Bilet Sistemi Otomasyonu (Komple Yapımı), 2009 - 2010
17. SEÇER A., Diğer Resmi Kurumlarca Desteklenen Proje, Milli Saraylar Socket Tabanlı Kimlik Kartlı- mesai takip yazılımı (Komple Yapımı), 2009 - 2010
18. SEÇER A., Milli Saraylar .Net Tabanlı Kültürel Envanter Otomasyonunun Geliştirilmesi (Komple Yapımı), 2008 - 2010
19. SEÇER A., Diğer Resmi Kurumlarca Desteklenen Proje, Milli Saraylar Tarihi Envanter Ayniyat Programı (Komple Yapımı), 2008 - 2010
20. SEÇER A., Milli Saraylar Ajax Tabanlı Analitik Bütçe Yazılımı (Komple Yapımı), 2009 - 2009
21. SEÇER A., Elektronik ziyaretçi bilgilendirme panolarının yönetimi için IP tabanlı bir uygulama (Komple Yapımı),

2009 - 2009

22. SEÇER A., Milli Saraylar Kameralı yangın sezim sistemi, 2008 - 2009

## Ödüller

1. SEÇER A., Konferan Düzenleme Kurul Üyeliği Başarı Ödülü, Gelişim Üniversitesi, Temmuz 2017
2. SEÇER A., 2013-2014 Yılı Üniversite Genelinde En Çok Yayın Yapan YRD.DOÇ. İkincilik Ödülü, Yıldız Teknik Üniversitesi, Şubat 2014
3. SEÇER A., 2012-2013 Yılı Üniversite Genelinde En Çok Yayın Yapan YRD.DOÇ. Birincilik Ödülü, Yıldız Teknik Üniversitesi, Şubat 2013

## Jüri Üyelikleri

Akademik Personel Sınavı, Akademik Yükseltme, Gelişim Üniversitesi, Ekim, 2017

Akademik Personel Sınavı, Araştırma Görevlisi Alımı Sınavı, Yıldız Teknik Üniversitesi, Ocak, 2017

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. **Acquiring the solitons of inhomogeneous Murnaghan's rod using extended Kudryashov method with Bernoulli-Riccati approach**  
ÖZİŞİK M., Secer A., Bayram M., Sulaiman T. A. , Yusuf A.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.36, sa.30, 2022 (SCI-Expanded)
2. **Optical soliton solutions of the Chen–Lee–Liu equation in the presence of perturbation and the effect of the inter-modal dispersion, self-steepening and nonlinear dispersion**  
ÖZİŞİK M., Bayram M., SEÇER A., Cinar M.  
Optical and Quantum Electronics, cilt.54, sa.12, 2022 (SCI-Expanded)
3. **Obtaining optical soliton solutions of the cubic-quartic Fokas-Lenells equation via three different analytical methods**  
Önder İ., Secer A., Ozisik M., Bayram M.  
OPTICAL AND QUANTUM ELECTRONICS, cilt.54, sa.12, 2022 (Hakemli Dergi)
4. **Optical soliton solutions of (1+1)- and (2+1)-dimensional generalized Sasa-Satsuma equations using new Kudryashov method**  
ÇINAR M., Secer A., ÖZİŞİK M., BAYRAM M.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, 2022 (SCI-Expanded)
5. **On the optical soliton solutions of time-fractional Biswas-Arshed equation including the beta or M-truncated derivatives**  
Çınar M., Seçer A., Bayram M.  
OPTICAL AND QUANTUM ELECTRONICS, cilt.1, sa.1, ss.1-20, 2022 (SCI-Expanded)
6. **Soliton solutions to the nonlinear higher dimensional Kadomtsev-Petviashvili equation through the new Kudryashov's technique**  
ESEN H., SEÇER A., ÖZİŞİK M., BAYRAM M.  
PHYSICA SCRIPTA, cilt.97, sa.11, 2022 (Hakemli Dergi)
7. **Optical solitons for Biswas-Milovic equation using the new Kudryashov's scheme**  
Altun S., ÖZİŞİK M., Secer A., Bayram M.  
OPTİK, cilt.270, 2022 (SCI-Expanded)
8. **Stochastic optical solitons with multiplicative white noise via Itô calculus**  
SEÇER A.  
Optik, cilt.268, 2022 (SCI-Expanded)

9. **Exact solutions of Wazwaz-Benjamin-Bona-Mahony equation with conformable and  $M$ - $N$  truncated derivatives: A comparative study**  
Önder İ., Çınar M., Seçer A., Bayram M.  
EUROPEAN PHYSICAL JOURNAL PLUS, cilt.3, sa.6, ss.30-40, 2022 (SCI-Expanded)
10. **Optical soliton perturbation with Fokas-Lenells equation via enhanced modified extended tanh-expansion approach**  
ESEN H., ÖZİŞİK M., Secer A., Bayram M.  
OPTİK, cilt.267, 2022 (SCI-Expanded)
11. **Comparative analysis for the nonlinear mathematical equation with new wave structures**  
Onder İ., Cinar M., Secer A., Yusuf A., Bayram M., Sulaiman T. A.  
European Physical Journal Plus, cilt.137, sa.10, 2022 (SCI-Expanded)
12. **On the examination of optical soliton pulses of Manakov system with auxiliary equation technique**  
ÖZİŞİK M., SEÇER A., Bayram M.  
Optik, cilt.268, 2022 (SCI-Expanded)
13. **The bell-shaped perturbed dispersive optical solitons of Biswas–Arshed equation using the new Kudryashov's approach**  
ÖZİŞİK M., SEÇER A., Bayram M.  
Optik, cilt.267, 2022 (SCI-Expanded)
14. **Dispersive optical solitons of Biswas-Arshed equation with a couple of novel**  
ÖZİŞİK M., SEÇER A., Bayram M.  
OPTİK, cilt.265, 2022 (SCI İndekslerine Giren Dergi)
15. **Analytical solutions of (2+1)-dimensional Calogero-Bogoyavlenskii-Schiff equation in fluid mechanics/plasma physics using the New Kudryashov method**  
ÇINAR M., SEÇER A., Bayram M.  
PHYSICA SCRIPTA, cilt.97, sa.9, 2022 (SCI-Expanded)
16. **Original Perturbation of dispersive optical solitons with Schrodinger-Hirota equation with Kerr law and spatio-temporal dispersion**  
Ozdemir N., SEÇER A., ÖZİŞİK M., Bayram M.  
OPTİK, cilt.265, 2022 (SCI-Expanded)
17. **Optical solitons to the (1+2)-dimensional Chiral non-linear Schrodinger equation**  
ÖZİŞİK M., Bayram M., Secer A., ÇINAR M., Yusuf A., Sulaiman T. A.  
OPTICAL AND QUANTUM ELECTRONICS, cilt.54, sa.9, 2022 (Hakemli Dergi)
18. **An encyclopedia of Kudryashov's integrability approaches applicable to optoelectronic devices**  
ÖZİŞİK M., SEÇER A., Bayram M., Aydin H.  
Optik, cilt.265, 2022 (SCI-Expanded)
19. **Analytical soliton solutions of the higher order cubic-quintic nonlinear Schrödinger equation and the influence of the model's parameters**  
ESEN H., SEÇER A., ÖZİŞİK M., Bayram M.  
Journal of Applied Physics, cilt.132, sa.5, 2022 (SCI-Expanded)
20. **Optical solitons with Kudryashov's sextic power-law nonlinearity**  
Ozisik M., Çınar M., Secer A., Bayram M.  
OPTİK, cilt.261, 2022 (SCI-Expanded)
21. **Derivation of optical solitons of dimensionless Fokas-Lenells equation with perturbation term using Sardar sub-equation method**  
ÇINAR M., SEÇER A., ÖZİŞİK M., Bayram M.  
OPTICAL AND QUANTUM ELECTRONICS, cilt.54, sa.7, 2022 (SCI-Expanded)
22. **Dark, bright and singular optical solutions of the Kaup–Newell model with two analytical integration schemes**  
ESEN H., SEÇER A., ÖZİŞİK M., Bayram M.  
Optik, cilt.261, 2022 (SCI-Expanded)
23. **On the analytical optical soliton solutions of perturbed Radhakrishnan-Kundu-Lakshmanan model**

**with Kerr law nonlinearity**

ÖZİŞİK M., SEÇER A., Bayram M., Yusuf A., Sulaiman T. A.

OPTICAL AND QUANTUM ELECTRONICS, cilt.54, sa.6, 2022 (SCI-Expanded)

24. **An Efficient Method for Analytically Solving  $(1+ 2)$ -dimensional Chiral Non-linear Schrödinger Equation**  
Özışık M., Bayram M., Seçer A., Çınar M.  
OPTICAL AND QUANTUM ELECTRONICS, cilt.3, sa.4, ss.44-61, 2022 (SCI Expanded İndekslerine Giren Dergi)
25. **On the optical soliton solutions of Kundu–Mukherjee–Naskar equation via two different analytical methods**  
ÖNDER İ., SEÇER A., ÖZİŞİK M., Bayram M.  
Optik, cilt.257, 2022 (SCI-Expanded)
26. **<p>Novel soliton solutions of Sasa-Satsuma model with local derivative via an analytical technique</p>**  
Ozdemir N., ESEN H., SEÇER A., BAYRAM M.  
JOURNAL OF LASER APPLICATIONS, cilt.34, sa.2, 2022 (SCI İndekslerine Giren Dergi)
27. **Optical solitons and other solutions to the Hirota-Maccari system with conformable, M-truncated and beta derivatives**  
Ozdemir N., ESEN H., SEÇER A., Bayram M., Yusuf A., Sulaiman T. A.  
MODERN PHYSICS LETTERS B, cilt.36, sa.11, 2022 (SCI-Expanded)
28. **Solving the fractional Jaulent-Miodek system via a modified Laplace decomposition method**  
ÇINAR M., ÖNDER İ., SEÇER A., Bayram M., Sulaiman T. A. , Yusuf A.  
WAVES IN RANDOM AND COMPLEX MEDIA, 2022 (Hakemli Dergi)
29. **A comparison of analytical solutions of nonlinear complex generalized Zakharov dynamical system for various definitions of the differential operator**  
ÇINAR M., ÖNDER İ., SEÇER A., Bayram M., Yusuf A., Sulaiman T. A.  
Electronic Research Archive, cilt.30, sa.1, ss.335-361, 2022 (SCI-Expanded)
30. **Traveling wave structures of some fourth-order nonlinear partial differential equations**  
ESEN H., Ozdemir N., SEÇER A., Bayram M.  
Journal of Ocean Engineering and Science, 2022 (Hakemli Dergi)
31. **An application of Genocchi wavelets for solving the fractional Rosenau-Hyman equation★**  
ÇINAR M., SEÇER A., Bayram M.  
Alexandria Engineering Journal, cilt.60, sa.6, ss.5331-5340, 2021 (Hakemli Dergi)
32. **Optical solitons of the  $(2+1)$ -dimensional Biswas-Milovic equation using modified extended tanh-function method**  
Çınar M., Önder İ., Seçer A., Sulaiman T. A. , Yusuf A., Bayram M.  
OPTİK, cilt.245, 2021 (SCI-Expanded)
33. **Optical Soliton Solutions to Chen Lee Liu model by the modified extended tanh expansion scheme**  
ÖZDEMİR N., ESEN H., SEÇER A., Bayram M., Yusuf A., Sulaiman T. A.  
OPTİK, cilt.245, 2021 (SCI-Expanded)
34. **Generalized Gegenbauer-Humbert wavelets for solving fractional partial differential equations**  
Alkhalissi J. H. S. , EMİROĞLU İ., Bayram M., SEÇER A., TAŞÇI F.  
ENGINEERING WITH COMPUTERS, 2021 (SCI İndekslerine Giren Dergi)
35. **On solitary wave solutions for the perturbed Chen-Lee-Liu equation via an analytical approach**  
Esen H., Özdemir N., Seçer A., Bayram M.  
OPTİK, cilt.245, 2021 (SCI-Expanded)
36. **An algorithm for numerical solution of some nonlinear multi-dimensional parabolic partial differential equations**  
Ozdemir N., SEÇER A., Bayram M.  
JOURNAL OF COMPUTATIONAL SCIENCE, cilt.56, 2021 (Hakemli Dergi)
37. **Solitary wave solutions of chiral nonlinear Schrödinger equations**  
ESEN H., Ozdemir N., SEÇER A., Bayram M., Sulaiman T. A. , Yusuf A.

Modern Physics Letters B, cilt.35, 2021 (SCI-Expanded)

38. **The analytical solutions of Zoomeron equation via extended rational sin-cos and sinh-cosh methods**  
ÇINAR M., ÖNDER İ., SEÇER A., Yusuf A., Abdulkadir Sulaiman T., Bayram M., Aydin H.  
Physica Scripta, cilt.96, sa.9, 2021 (SCI-Expanded)
39. **Optical solitons and other solutions to the Radhakrishnan-Kundu-Lakshmanan equation**  
ÖZDEMİR N., ESEN H., SEÇER A., Bayram M., Sulaiman T. A. , Yusuf A., AYDIN H.  
OPTİK, cilt.242, 2021 (SCI-Expanded)
40. **An Improved Bees Algorithm for Training Deep Recurrent Networks for Sentiment Classification**  
Zeybek S., Pham D. T. , Koc E., SEÇER A.  
SYMMETRY-BASEL, cilt.13, sa.8, 2021 (Hakemli Dergi)
41. **A new operational matrix of fractional derivative based on the generalized Gegenbauer-Humbert polynomials to solve fractional differential equations**  
Alkhalissi J. H. S. , Emiroglu İ., Bayram M., Secer A., Tasci F.  
ALEXANDRIA ENGINEERING JOURNAL, cilt.60, sa.4, ss.3509-3519, 2021 (SCI-Expanded)
42. **THE ASYMPTOTIC BEHAVIOR OF SOLUTIONS OF DISCRETE NONLINEAR FRACTIONAL EQUATIONS**  
Bayram M., SEÇER A., Adiguzel H.  
FRACTIONAL CALCULUS AND APPLIED ANALYSIS, cilt.23, sa.5, ss.1472-1482, 2020 (SCI İndekslerine Giren Dergi)
43. **THE GENERALIZED GEGENBAUER-HUMBERTS WAVELET FOR SOLVING FRACTIONAL DIFFERENTIAL EQUATIONS**  
Alkhalissi J. H. S. , EMİROĞLU İ., SEÇER A., Bayram M.  
THERMAL SCIENCE, cilt.24, 2020 (Hakemli Dergi)
44. **A JACOBI WAVELET COLLOCATION METHOD FOR FRACTIONAL FISHER'S EQUATION IN TIME**  
Seçer A., Cinar M.  
THERMAL SCIENCE, cilt.24, 2020 (SCI-Expanded)
45. **An effective computational approach based on Gegenbauer wavelets for solving the time-fractional Kdv-Burgers-Kuramoto equation**  
Seçer A., Özdemir N.  
ADVANCES IN DIFFERENCE EQUATIONS, cilt.2019, sa.1, 2019 (SCI-Expanded)
46. **The Gegenbauer wavelets-based computational methods for the coupled system of Burgers' equations with time-fractional derivative**  
Özdemir N., Seçer A., Bayram M.  
Mathematics, cilt.7, 2019 (Hakemli Dergi)
47. **MODIFIED LAGUERRE WAVELET BASED GALERKIN METHOD FOR FRACTIONAL AND FRACTIONAL-ORDER DELAY DIFFERENTIAL EQUATIONS**  
Seçer A., Özdemir N.  
THERMAL SCIENCE, cilt.23, 2019 (Hakemli Dergi)
48. **CHEBYSHEV WAVELET COLLOCATION METHOD FOR GINZBURG-LANDAU EQUATION**  
Seçer A., Bakir Y.  
THERMAL SCIENCE, cilt.23, 2019 (SCI-Expanded)
49. **LEGENDRE WAVELET OPERATIONAL MATRIX METHOD FOR SOLVING FRACTIONAL DIFFERENTIAL EQUATIONS IN SOME SPECIAL CONDITIONS**  
Seçer A., Altun S., Bayram M.  
THERMAL SCIENCE, cilt.23, 2019 (SCI İndekslerine Giren Dergi)
50. **OSCILLATION PROPERTIES OF SOLUTIONS OF FRACTIONAL DIFFERENCE EQUATIONS**  
Bayram M., Seçer A.  
THERMAL SCIENCE, cilt.23, 2019 (Hakemli Dergi)
51. **A Hermite Polynomial Approach for Solving the SIR Model of Epidemics**  
Seçer A., Özdemir N., Bayram A. M.  
MATHEMATICS, cilt.6, 2018 (Hakemli Dergi)
52. **A New Operational Matrix of Fractional Derivatives to Solve Systems of Fractional Differential Equations via Legendre Wavelets**

- Seçer A., Altun S.  
MATHEMATICS, cilt.6, 2018 (Hakemli Dergi)
53. **A NEW NUMERICAL APPROACH FOR SOLVING HIGH-ORDER LINEAR AND NON-LINEAR DIFFERENTIAL EQUATIONS**  
Seçer A., Altun S.  
THERMAL SCIENCE, cilt.22, 2018 (Hakemli Dergi)
54. **An efficient scheme for solving a system of fractional differential equations with boundary conditions**  
Hatipoglu V. F. , Alkan S., Seçer A.  
ADVANCES IN DIFFERENCE EQUATIONS, 2017 (SCI İndekslerine Giren Dergi)
55. **Oscillation of solutions for a class of nonlinear fractional difference equations**  
Seçer A., Adiguzel H.  
JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, cilt.9, ss.5862-5869, 2016 (Hakemli Dergi)
56. **Oscillation criteria for nonlinear fractional differential equation with damping term**  
Bayram M., Adiguzel H., Seçer A.  
OPEN PHYSICS, cilt.14, ss.119-128, 2016 (Hakemli Dergi)
57. **An efficient algorithm for solving fractional differential equations with boundary conditions**  
Alkan S., Yildirim K., Seçer A.  
OPEN PHYSICS, cilt.14, ss.6-14, 2016 (SCI-Expanded)
58. **The common solution for a generalized equilibrium problem, a variational inequality problem and a hierarchical fixed point problem**  
Karahan I., Seçer A., Özdemir M., Bayram M.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2015 (SCI İndekslerine Giren Dergi)
59. **On Generalized Fractional Kinetic Equations Involving Generalized Bessel Function of the First Kind**  
Kumar D., Purohit S. D. , Seçer A., Atangana A.  
MATHEMATICAL PROBLEMS IN ENGINEERING, 2015 (SCI-Expanded)
60. **Solving nonlinear boundary value problems by the Galerkin method with sinc functions**  
Alkan S., Seçer A.  
OPEN PHYSICS, cilt.13, ss.389-394, 2015 (SCI İndekslerine Giren Dergi)
61. **SOLUTION OF NONLINEAR FRACTIONAL BOUNDARY VALUE PROBLEMS WITH NONHOMOGENEOUS BOUNDARY CONDITIONS**  
Alkan S., Seçer A.  
APPLIED AND COMPUTATIONAL MATHEMATICS, cilt.14, ss.284-295, 2015 (SCI-Expanded)
62. **Application of Sinc-Galerkin Method for Solving Space-Fractional Boundary Value Problems**  
Alkan S., Seçer A.  
MATHEMATICAL PROBLEMS IN ENGINEERING, 2015 (Hakemli Dergi)
63. **Stability, Synchronization Control and Numerical Solution of Fractional Shimizu-Morioka Dynamical System**  
Akınlar M. A. , Seçer A., Bayram M.  
APPLIED MATHEMATICS & INFORMATION SCIENCES, cilt.8, ss.1699-1705, 2014 (Hakemli Dergi)
64. **Numerical Solution of Fractional Benney Equation**  
Akınlar M. A. , Seçer A., Bayram M.  
APPLIED MATHEMATICS & INFORMATION SCIENCES, cilt.8, ss.1633-1637, 2014 (SCI-Expanded)
65. **A Generalized q-Gruss Inequality Involving the Riemann-Liouville Fractional q-Integrals**  
Seçer A., Purohit S. D. , Selvakumaran K. A. , Bayram M.  
JOURNAL OF APPLIED MATHEMATICS, 2014 (SCI İndekslerine Giren Dergi)
66. **Theory, Methods, and Applications of Fractional Calculus**  
Atangana A., Kilicman A., Noutchie S. C. O. , Seçer A., Ray S. S. , El-Sayed A. M. A.  
SCIENTIFIC WORLD JOURNAL, 2014 (SCI İndekslerine Giren Dergi)
67. **Convexity of Certain q-Integral Operators of p-Valent Functions**  
Selvakumaran K. A. , Purohit S. D. , Seçer A., Bayram A.

- ABSTRACT AND APPLIED ANALYSIS, 2014 (SCI-Expanded)
68. **Majorization for a Class of Analytic Functions Defined by  $q$ -Differentiation**  
Selvakumaran K. A. , Purohit S. D. , Seer A.  
MATHEMATICAL PROBLEMS IN ENGINEERING, 2014 (Hakemli Dergi)
69. **Sinc-Galerkin method for approximate solutions of fractional order boundary value problems**  
Seer A., Alkan S., Akinlar M. A. , Bayram M.  
BOUNDARY VALUE PROBLEMS, 2013 (Hakemli Dergi)
70. **A Novel Matching of MR Images Using Gabor Wavelets**  
Akinlar M. A. , Kurulay M., Seer A., Celenk M.  
IETE TECHNICAL REVIEW, cilt.30, ss.129-133, 2013 (Hakemli Dergi)
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### Akademik İdari Deneyim

2016 - Devam Ediyor	<b>Bilimsel Ödülü Komisyonu Üyesi</b>	Yıldız Teknik Üniversitesi
2016 - Devam Ediyor	<b>Rektörlüğe Bağlı Komisyon Üyesi</b>	Yıldız Teknik Üniversitesi, Kütüphane Danışma Kurulu
2016 - Devam Ediyor	<b>Rektörlüğe Bağlı Komisyon Üyesi</b>	Yıldız Teknik Üniversitesi, Lojman Tahsis Komisyonu
2016 - Devam Ediyor	<b>Rektörlüğe Bağlı Komisyon Üyesi</b>	Yıldız Teknik Üniversitesi, Bologna Eşgüdüm Komisyonu, Bologna Eşgüdüm Komisyonu"
2016 - Devam Ediyor	<b>Rektörlüğe Bağlı Komisyon Üyesi</b>	Yıldız Teknik Üniversitesi, Eğitim-Öğretim Komisyonu Mevzuat Çalışma Grubu
2016 - 2020	<b>Daire Başkanı</b>	Yıldız Teknik Üniversitesi
2015 - 2018	<b>Bölüm Başkan Yardımcısı</b>	Yıldız Teknik Üniversitesi, Matematik Mühendisliği, Matematik Mühendisliği

### Verdiği Dersler

Yapay Zeka, Lisans, 2011 - 2012

Programlama Dilleri II, Lisans, 2011 - 2012

Matematik I, Lisans, 2011 - 2012

İntegral Denklemler, Lisans, 2011 - 2012

Veri Yönetimi ve Dosya Yapıları I, Lisans, 2010 - 2011

### Yönetilen Tezler

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## Bilimsel Dergilerdeki Faaliyetler

Applied Mathematics & Information Sciences, Editör, 2018 - Devam Ediyor  
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Sigma Journal of Engineering and Natural Sciences, Editör, 2016 - Devam Ediyor  
Journal of Abstract and Computational Mathematics, Baş Editör, 2016 - Devam Ediyor  
Reviews in Contemporary Mathematics, Editör, 2016 - Devam Ediyor  
Communication in Mathematical Modeling and Applications, Editör, 2016 - Devam Ediyor  
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Open Physics, Editör, 2016 - 2016  
Journal of Inequalities and Applications, Özel Sayı Editörü, 2016 - 2016  
The Scientific World Journal, Özel Sayı Editörü, 2014 - 2014

## Bilimsel Hakemlikler

American Mathematical Society (MathRev-Daimi hakem), SCI Kapsamındaki Dergi, Ocak 2015  
Boundary Value Problems, SCI Kapsamındaki Dergi, Kasım 2014  
International Journal of Computer Mathematics, SCI Kapsamındaki Dergi, Ekim 2013  
Advances in Difference Equations , Springer Open, Since 2012, SCI Kapsamındaki Dergi, Kasım 2012  
MALAYSIAN JOURNAL OF MATHEMATICAL SCIENCES, SCI Kapsamındaki Dergi, Ekim 2012  
Abstract and Applied Analysis, Hindawi Corp., SCI Kapsamındaki Dergi, Ekim 2012  
International Journal of Modern Theoretical Physics - Modern Scientific Press, SCI Kapsamındaki Dergi, Eylül 2012  
Applied Mathematical Modelling- Elsevier Editorial System (EES), SCI Kapsamındaki Dergi, Ağustos 2012  
Applied Mathematics & Information Sciences, since 2012, SCI Kapsamındaki Dergi, Haziran 2012  
Educational Research and Reviews, Academic Journals, since 2012, SCI Kapsamındaki Dergi, Mayıs 2012

## Metrikler

Yayın: 184  
Atıf (WoS): 632  
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H-İndeks (WoS): 14  
H-İndeks (Scopus): 16

## Kongre ve Sempozyum Katılımı Faaliyetleri

4th International Conference on Mathematics & Information Science (ICMIS 2015), Davetli Konuşmacı, Cairo, Mısır, 2015

## Araştırma Alanları

Bilgisayar Bilimleri, Algoritmalar, Veritabanı ve Veri Yapıları, Matematik, Bilgisayar Bilimleri, Diferansiyel denklemler, Kısmi diferansiyel eşitlikler, Temel Bilimler, Mühendislik ve Teknoloji

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