

Dr. Öğr. Üyesi Onur Saldır

Kişisel Bilgiler

İş Telefonu: [+90 432 444 5065](tel:+904324445065)

E-posta: onursaldir@yyu.edu.tr

Web: <http://avesis.yyu.edu.tr/onursaldir/>

Uluslararası Araştırmacı ID'leri

ORCID: 0000-0002-5292-9458

Yoksis Araştırmacı ID: 34961

Eğitim Bilgileri

Doktora, Van Yüzüncü Yıl Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, Türkiye 2012 - 2018

Yüksek Lisans, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, Türkiye 2010 - 2012

Lisans, Kahramanmaraş Sütçü İmam Üniversitesi, Fen Edebiyat Fakültesi, Matematik, Türkiye 2006 - 2010

Yabancı Diller

İngilizce, B2 Orta Üstü

Araştırma Alanları

Matematik, Diferansiyel denklemler, Sayısal Analiz, Temel Bilimler

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Van Yüzüncü Yıl Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2019 - Devam Ediyor

Araştırma Görevlisi Dr., Van Yüzüncü Yıl Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2018 - 2019

Araştırma Görevlisi, Van Yüzüncü Yıl Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2012 - 2018

Verdiği Dersler

Matematik, Ön Lisans, 2018 - 2019

Matematik I, Ön Lisans, 2018 - 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- A novel numerical approach for the third order Emden–Fowler type equations**
Sakar M. G., Saldır O., Aydın F., Rece M. Y.
ZAMM ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, cilt.104, sa.10, ss.1-19, 2024 (SCI-Expanded)
- An effective approach for numerical solution of linear and nonlinear singular boundary value**

problems

Saldır O., Sakar M. G.

MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.46, sa.1, ss.1395-1410, 2023 (SCI-Expanded)

- III. **A New Reproducing Kernel Approach for Nonlinear Fractional Three-Point Boundary Value Problems**
Sakar M. G., Saldır O.
FRACTAL AND FRACTIONAL, cilt.4, sa.4, 2020 (SCI-Expanded)
- IV. **A novel iterative solution for time-fractional Boussinesq equation by reproducing kernel method**
Sakar M. G., Saldır O.
JOURNAL OF APPLIED MATHEMATICS AND COMPUTING, cilt.64, sa.1-2, ss.227-254, 2020 (SCI-Expanded)
- V. **Numerical Solution of Fractional Order Burgers' Equation with Dirichlet and Neumann Boundary Conditions by Reproducing Kernel Method**
Saldır O., Sakar M. G., Erdoğan F.
FRACTAL AND FRACTIONAL, cilt.4, sa.2, 2020 (SCI-Expanded)
- VI. **Numerical solution of time-fractional Kawahara equation using reproducing kernel method with error estimate**
Saldır O., Sakar M. G., Erdoğan F.
COMPUTATIONAL & APPLIED MATHEMATICS, cilt.38, sa.4, 2019 (SCI-Expanded)
- VII. **A Novel Technique for Fractional Bagley-Torvik Equation**
Sakar M. G., Saldır O., AKGÜL A.
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES INDIA SECTION A-PHYSICAL SCIENCES, cilt.89, sa.3, ss.539-545, 2019 (SCI-Expanded)
- VIII. **An iterative approximation for time-fractional Cahn-Allen equation with reproducing kernel method**
Sakar M. G., Saldır O., Erdoğan F.
COMPUTATIONAL & APPLIED MATHEMATICS, cilt.37, sa.5, ss.5951-5964, 2018 (SCI-Expanded)
- IX. **Improving Variational Iteration Method with Auxiliary Parameter for Nonlinear Time-Fractional Partial Differential Equations**
Sakar M. G., Saldır O.
JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, cilt.174, sa.2, ss.530-549, 2017 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Finite and Infinite Dimensional Reproducing Kernel Hilbert Space Approach for Bagley-Torvik Equation**
Ata A., Sakar M. G., Saldır O., Şenol M.
International Journal of Applied and Computational Mathematics, cilt.11, sa.18, ss.1-23, 2025 (Hakemli Dergi)
- II. **Numerical Solution of Nonlinear Advection Equation Using Reproducing Kernel Method**
Saldır O.
Journal of mathematical sciences and modelling (Online), cilt.7, sa.3, ss.157-167, 2024 (Hakemli Dergi)
- III. **Numerical investigations to design a novel model based on the fifth order system of Emden-Fowler equations**
Zulqurnain S., Sakar M. G., Yeskindirova M., Saldır O.
THEORETICAL AND APPLIED MECHANICS LETTERS, cilt.10, sa.5, ss.333-342, 2020 (ESCI)
- IV. **A finite difference method on layer-adapted mesh for singularly perturbed delay differential equations**
Erdoğan F., Sakar M. G., Saldır O.
Applied Mathematics and Nonlinear Sciences, cilt.5, sa.1, ss.425-436, 2020 (Scopus)
- V. **A Hybrid Method for Singularly Perturbed Convection-Diffusion Equation**
Sakar M. G., Saldır O., Erdoğan F.
International Journal of Applied and Computational Mathematics, cilt.5, sa.5, 2019 (Scopus)

- VI. **Numerical Solution of Fractional Bratu Type Equations with Legendre Reproducing Kernel Method**
Sakar M. G., Saldır O., Akgül A.
International Journal of Applied and Computational Mathematics, cilt.4, 2018 (Scopus)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **A NEW APPROACH FOR NUMERICAL SOLUTION OF FOURTH ORDER EMDEN-FOWLER EQUATION**
Saldır O.
6th International Conference on Computational Mathematics and Engineering Sciences, Ordu, Türkiye, 20 - 22 Mayıs 2022, ss.278
- II. **A NUMERICAL APPROACH FOR SINGULAR BOUNDARY VALUE PROBLEM**
Saldır O., Sakar M. G.
6th International Conference on Computational Mathematics and Engineering Sciences, Ordu, Türkiye, 20 - 22 Mayıs 2022, ss.277
- III. **Fitted Difference Schemes for Delay Convection-Diffusion Problems with Small Parameter**
Erdoğan F., SAKAR M. G., Saldır O.
9. International Youth Science Forum Litteris et Artibus, Lviv, Ukrayna, 21 - 23 Kasım 2019, ss.65-68
- IV. **REPRODUCING KERNEL METHOD WITH CHEBYSHEV POLYNOMIALS FOR FRACTIONAL TWO-POINT BOUNDARY VALUE PROBLEM**
Sakar M. G., SALDIR O., Erdoğan F.
4th International Conference on Computational Mathematics and Engineering Sciences, Antalya, Türkiye, 20 - 22 Mayıs 2019, ss.200
- V. **LAYER ADAPTED MESHES FOR SINGULARLY PERTURBED CONVECTION-DIFFUSION PROBLEM WITH DELAY**
Erdoğan F., SAKAR M. G., SALDIR O.
4th International Conference on Computational Mathematics and Engineering Sciences, Antalya, Türkiye, 20 - 22 Mayıs 2019, ss.148
- VI. **A NEW NUMERICAL SOLUTION FOR SINGULARLY PERTURBED BOUNDARY VALUE PROBLEMS**
SALDIR O., Sakar M. G., Erdoğan F.
4th International Conference on Computational Mathematics and Engineering Sciences, Antalya, Türkiye, 20 - 22 Mayıs 2019, ss.56
- VII. **Reproducing kernel method with Bernstein polynomials for fractional boundary value problems**
Sakar M. G., Saldır O., Erdoğan F.
2nd International Conference on Pure and Applied Mathematics (ICPAM-VAN 2018), Van, Türkiye, 11 - 13 Eylül 2018, ss.116
- VIII. **A numerical approach for time-fractional Kawahara equation with reproducing kernel method**
Saldır O., Sakar M. G., Erdoğan F.
2nd International Conference on Pure and Applied Mathematics (ICPAM-VAN 2018), Van, Türkiye, 11 - 13 Eylül 2018, ss.117
- IX. **An Iterative Approximation for Time-Fractional Clannish Random Walker's Parabolic Equation in Reproducing Kernel Space**
Sakar M. G., Erdoğan F., Saldır O.
7TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Kiev, Ukrayna, 28 - 31 Ağustos 2018, ss.116
- X. **Reproducing Kernel Method for Time Fractional Allen- Cahn Equation**
Saldır O., Sakar M. G., Erdoğan F.
3rd International Conference on Computational Mathematics and Engineering Sciences, Girne, Kıbrıs (Kkct), 4 - 06 Mayıs 2018, ss.2-3
- XI. **Uniform Difference Schemes for Singularly Perturbed Delay Differential Equations with Delay**
Erdoğan F., Sakar M. G., Saldır O.

3rd International Conference on Computational Mathematics and Engineering Sciences, Girne, Kıbrıs (Kktc), 4 - 06 Mayıs 2018, ss.1-2

XII. Reproducing Kernel Method for Time Fractional Advection equation

SAKAR M. G., SALDIR O., ERDOĞAN F.

3rd International Conference on Computational Mathematics and Engineering Sciences, Girne, Kıbrıs (Kktc), 4 - 06 Mayıs 2018, ss.1-3

XIII. Uniform Numerical Methods for Singularly Perturbed Integro-Differential Equations With Delay

ERDOĞAN F., SAKAR M. G., SALDIR O.

Ukrainian Conference on Applied Mathematics, Lviv, Ukrayna, 28 - 30 Eylül 2017, ss.1

XIV. A new numerical approach for fractional boundary value problems

SALDIR O., SAKAR M. G.

Cucasian Mathematics Conference II (CMC II), Van, Türkiye, 22 - 24 Ağustos 2017, ss.121-122

XV. Non uniform haat wavelet method for singularly perturbed convection diffusion equations

SAKAR M. G., SALDIR O., ERDOĞAN F.

The 2nd International Symposium on Computational Mathematics and Engineering Sciences, İstanbul, Türkiye, 20 - 22 Mayıs 2017, ss.1

XVI. Legendre Reproducing Kernel Method for Fractional Two Point Boundry Value Problem

SALDIR O., SAKAR M. G., ERDOĞAN F.

The 2nd International Symposium on Computational Mathematics and Engineering Sciences, İstanbul, Türkiye, 20 - 22 Mayıs 2017, ss.1

XVII. Higher Order Difference Schemes for Singularly Perturbed Delay Differential Equations with Delay

ERDOĞAN F., SAKAR M. G., SALDIR O.

, The 2st International Symposium on Computational Mathematics and Engineering Sciences, İstanbul, Türkiye, 20 - 22 Mayıs 2017, ss.1

XVIII. Numerical Solution of Fractional Bratu Type Equation by Legendre-Reproducing Kernel Method

SAKAR M. G., AKGÜL A., SALDIR O.

International Workshop on Mathematical Methods in Engineering, Ankara, Türkiye, 27 - 29 Nisan 2017, ss.117

XIX. A New Technique for Numerical Solution of Fractional BVP's

SAKAR M. G., AKGÜL A., SALDIR O.

International Workshop on Mathematical Methods in Engineering, Ankara, Türkiye, 27 - 29 Nisan 2017, ss.117

XX. An Iterative Reproducing Kernel Method for Time and Space Fractional Burgers Equation

SALDIR O., SAKAR M. G.

International Workshop on Mathematical Methods in Engineering, Ankara, Türkiye, 27 - 29 Nisan 2017, ss.118

XXI. HOMOTOPY PERTURBATION METHOD FOR TIME-FRACTIONAL PDEs WITH PROPORTIONAL DELAYS

SALDIR O., SAKAR M. G.

Mathematical Analysis, Differential Equations and their Applications (MADEA 7), Baku, Azerbaycan, 8 - 13 Eylül 2015, ss.147

XXII. A fitted numerov method for singularly perturbed reaction-diffusion equations

ERDOĞAN F., SAKAR M. G., SALDIR O.

International Conference on Pure and Applied, Van, Türkiye, 25 - 28 Ağustos 2015, ss.1

XXIII. An exponential fitted method for singularly perturbed reactin-diffusion equations

SAKAR M. G., ERDOĞAN F., SALDIR O.

International Conference on Pure and Applied, Van, Türkiye, 25 - 28 Ağustos 2015, ss.10

XXIV. A NEW NUMERICAL APPROACH FOR SOLVING TIME-FRACTIONAL PARTIAL DIFFERENTIAL EQUATIONS

SAKAR M. G., SALDIR O.

INTERNATIONAL CONFERENCE ON PURE AND APPLIED MATHEMATICS (ICPAM 2015), Van, Türkiye, 25 - 28 Ağustos 2015, ss.115

XXV. A COMBINATION OF VIM AND ASYMPTOTIC EXPANSION FOR SINGULARLY PERTURBED CONVECTION-DIFFUSION PROBLEM

SALDIR O., SAKAR M. G.

INTERNATIONAL CONFERENCE ON PURE AND APPLIED MATHEMATICS (ICPAM 2015), Van, Türkiye, 25 - 28 Ağustos 2015, ss.116

XXVI. On the numerical solution of singularly perturbed reaction-diffusion equations

Saldır O., SAKAR M. G., Erdoğan F.

International Conference on Differential and Difference Equations & Applications, Lizbon, Portekiz, 18 - 22 Mayıs 2015, ss.84

XXVII. A novel approach to solution of singularly perturbed convection-diffusion problem

Erdoğan F., Yamaç K., SAKAR M. G., Saldır O.

International Conference on Differential and Difference Equations & Applications, Lizbon, Portekiz, 18 - 22 Mayıs 2015, ss.106-107

XXVIII. Numerical Methods on a Shishkin Mesh for Singuarly Perturbed Delay Differential Equations

Erdoğan F., Sakar M. G., Saldır O.

3. INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Vienna, Avusturya, 25 - 28 Ağustos 2014, ss.187

XXIX. A Finite Difference Analysis for Singularly Perturbed Differential Difference Equations with Delay and Advance

Erdoğan F., Saldır O.

2. INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS (IECMSA-2013), Sarajevo, Bosna-Hersek, 26 - 29 Ağustos 2013, ss.163

XXX. An Iterative Scheme for the Solution of Singularly Perturbed Delay Differential Equation

Erdoğan F., Saldır O.

2. INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS (IECMSA-2013), Sarajevo, Bosna-Hersek, 26 - 29 Ağustos 2013, ss.162

XXXI. Oscillation Theorems for Second-Order Nonlinear Dynamic Equation on Time Scales

ŞENEL M. T., Saldır O., UTKU N.

INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND ALGEBRA, İstanbul, Türkiye, 29 Haziran - 02 Temmuz 2011, ss.145

Bilimsel Hakemlikler

Fundamental Journal of Mathematics and Applications, Diğer İndekslerce Taranan Dergi, Kasım 2018

Journal of Advanced Physics, Diğer İndekslerce Taranan Dergi, Ekim 2018

Journal of Advanced Physics, Diğer İndekslerce Taranan Dergi, Eylül 2018

Journal of Advanced Physics, Diğer İndekslerce Taranan Dergi, Ağustos 2018

Metrikler

Yayın: 46

Atıf (WoS): 96

Atıf (Scopus): 201

H-İndeks (WoS): 5

H-İndeks (Scopus): 8

Kongre ve Sempozyum Katılımı Faaliyetleri

2nd International Conference on Pure and Applied Mathematics (ICPAM-VAN 2018), Oturum Başkanı, Van, Türkiye, 2018

Caucasian Mathematics Conference (CMC)-II, Katılımcı, Van, Türkiye, 2017

2. International Conference on Computational Mathematics and Engineering Sciences, Katılımcı, İstanbul, Türkiye, 2017
International Workshop on Mathematical Methods in Engineering, Katılımcı, Ankara, Türkiye, 2017
Mathematical Analysis, Differential Equations and their Applications - MADEA7, Katılımcı, Baku, Azerbaycan, 2015
INTERNATIONAL CONFERENCE ON PURE AND APPLIED MATHEMATICS (ICPAM 2015), Katılımcı, Van, Türkiye, 2015
INTERNATIONAL CONFERENCE ON DIFFERENTIAL AND DIFFERENCE EQUATIONS & APPLICATIONS 2015, Katılımcı,
Lisboa, Portekiz, 2015
3. INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Katılımcı, Wien,
Avusturya, 2014
2. INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Katılımcı, Sarajevo,
Bosna-Hersek, 2013
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND ALGEBRA, Katılımcı, İstanbul, Türkiye, 2011