

# Prof.Dr. Murat SARI

## Kişisel Bilgiler

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## Eğitim Bilgileri

Doktora, University of Glamorgan (Prifysgol Morgannwg), İngiltere 1994 - 2000

Lisans, Ondokuz Mayıs Üniversitesi, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Türkiye 1987 - 1991

## Yaptığı Tezler

Doktora, Seismic Wave Modelling Using the Boundary Element Method, University of Glamorgan (Prifysgol Morgannwg), 2000

## Araştırma Alanları

Matematik, Diferansiyel denklemler, Kısmi diferansiyel eşitlikler, Optimizasyon, Sayısal Analiz, Temel Bilimler

## Akademik Unvanlar / Görevler

Prof.Dr., Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2018 - Devam Ediyor

Doç.Dr., Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2015 - 2018

Doç.Dr., Pamukkale Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2012 - 2015

Yrd.Doç.Dr., Pamukkale Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2003 - 2012

Öğretim Görevlisi Dr., Pamukkale Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2001 - 2002

Araştırma Görevlisi, Pamukkale Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 1993 - 2001

## Mesleki Deneyim

Koordinatör Yardımcısı, Yıldız Teknik Üniversitesi, 2018 - Devam Ediyor

Farabi Koordinatörü, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2015 - 2019

Mevlana Değişim Programı Koordinatörü, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2015 - 2019

Erasmus Koordinatörü, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2015 - 2019

Erasmus Koordinatörü, Pamukkale Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2005 - 2014

Bölüm Başkan Yardımcısı, Pamukkale Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2002 - 2012

Anabilim/Bilim Dalı Başkanı, Pamukkale Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2006 - 2006

## Yönetilen Tezler

SARI M., Numerical and Synchronizational Behavior of Some Evaluation Equations, Doktora, S.Ali(Öğrenci), Devam Ediyor

SARI M., Analysis of Navier-Stokes Equations through High-Order Hybrid Methods, Doktora, H.Tunç(Öğrenci), Devam Ediyor

SARI M., Numerical Discussion of Some Basic Soliton Waves, Yüksek Lisans, C.Tuna(Öğrenci), Devam Ediyor

SARI M., Treatment of Fluid Dynamics Models Through High-order Numerical Schemes, Doktora, T.Coşgun(Öğrenci), Devam Ediyor

Sarı M., Modelling of Stochastic Processes, Doktora, A.Adham(Öğrenci), Devam Ediyor

Sarı M., Numerical Discussions of Advection Diffusion Models, Yüksek Lisans, S.Hamad(Öğrenci), 2019

Sarı M., Hepatitis B Modelling using Genetic Algorithm, Yüksek Lisans, E.Kasap(Öğrenci), 2019

SARI M., Behavior of First Order Differential Equations Through A Monte Carlo Based Algorithm, Yüksek Lisans, H.Uslu(Öğrenci), 2018

SARI M., Hesaplamalı Akışkanlar Dinamiğinde Hibrit Yaklaşımlar, Doktora, A.Zeytinoğlu(Öğrenci), 2017

SARI M., Various Finite Element Techniques for Advection- diffusion-Reaction Processes, Yüksek Lisans, H.Tunç(Öğrenci), 2017

SARI M., Various Finite Difference Solutions of Option Pricing Models, Yüksek Lisans, T.Yıldırım(Öğrenci), 2016

SARI M., Burgers Denklemine Petrov-Glaerkin Sonlu Eleman Çözümü, Yüksek Lisans, M.Bayraktar(Öğrenci), 2016

SARI M., Numerical Behaviour of Advection-Diffusion Equation, Yüksek Lisans, L.J.M.(Öğrenci), 2016

SARI M., Çeşitli Sonlu Fark Şemaları ile Burgers Denklemine Çözümü, Yüksek Lisans, E.Dinçer(Öğrenci), 2015

SARI M., Some Approximate Solutions of Burgers Equations, Yüksek Lisans, A.Zeytinoğlu(Öğrenci), 2010

SARI M., Akışkanlar Dinamiğinin Temel Model Problemlerinin Sonlu Fark Çözümleri, Yüksek Lisans, A.Günay(Öğrenci), 2010

SARI M., Heat Conduction Modelling using the Differential Transform Method, Yüksek Lisans, S.SALINAN(Öğrenci), 2008

SARI M., Time Integrals in Boundary Element Method, Yüksek Lisans, S.Yıldırım(Öğrenci), 2006

SARI M., Scalar Wave Modelling Using Numerical Methods, Yüksek Lisans, T.Koparan(Öğrenci), 2005

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

- **Anemia Prediction with Multiple Regression Support in System Medicinal Internet of Things**  
AHMAD A. A. , SARI M.  
JOURNAL OF MEDICAL IMAGING AND HEALTH INFORMATICS, cilt.10, ss.261-267, 2020 (SCI İndekslerine Giren Dergi)
- **A New Approach for the Black-Scholes Model with Linear and Nonlinear Volatilities**  
GULEN S., POPESCU C., SARI M.  
MATHEMATICS, cilt.7, 2019 (SCI İndekslerine Giren Dergi)
- **A local differential transform approach to the cubic nonlinear Duffing oscillator with damping term**  
Tunç H., SARI M.  
SCIENTIA IRANICA, cilt.26, ss.879-886, 2019 (SCI İndekslerine Giren Dergi)
- **Efficient numerical treatment of nonlinearities in the advection-diffusion-reaction equations**  
Erdogan U., SARI M., Kocak H.  
INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, cilt.29, ss.132-145, 2019 (SCI İndekslerine Giren Dergi)
- **Higher order splitting approaches in analysis of the Burgers equation**  
SARI M., Tunc H., SEYDAOĞLU M.  
KUWAIT JOURNAL OF SCIENCE, cilt.46, ss.1-14, 2019 (SCI İndekslerine Giren Dergi)
- **Behaviour of advection-diffusion-reaction processes with forcing terms**  
SARI M., Tahir S. A. , BOUHAMIDI A.  
CARPATHIAN JOURNAL OF MATHEMATICS, cilt.35, ss.233-252, 2019 (SCI İndekslerine Giren Dergi)
- **Prediction of Tibial Rotation Pathologies Using Particle Swarm Optimization and K-Means Algorithms**  
SARI M., TUNA C., Akogul S.  
JOURNAL OF CLINICAL MEDICINE, cilt.7, 2018 (SCI İndekslerine Giren Dergi)
- **Shallow crust structure of the Buyuk Menderes graben through an analysis of gravity data**  
ALTINOĞLU F. F. , SARI M., AYDIN A.  
TURKISH JOURNAL OF EARTH SCIENCES, cilt.27, ss.421-431, 2018 (SCI İndekslerine Giren Dergi)
- **Prediction of Pathological Subjects Using Genetic Algorithms**  
SARI M., TUNA C.  
COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, 2018 (SCI İndekslerine Giren Dergi)
- **Numerical Simulations of Shock Wave Propagating by a Hybrid Approximation Based on High-Order**

## **Finite Difference Schemes**

ZEYTİNOĞLU A., SARI M., Allahverdiev B. P.

ACTA PHYSICA POLONICA A, cilt.133, ss.140-151, 2018 (SCI İndekslerine Giren Dergi)

- **Detection of Lineaments in Denizli Basin of Western Anatolia Region Using Bouguer Gravity Data**  
Altinoglu F. F. , Sari M., Aydin A.  
PURE AND APPLIED GEOPHYSICS, cilt.172, ss.415-425, 2015 (SCI İndekslerine Giren Dergi)
- **SYMMETRIC TELEPARALLEL GRAVITY: SOME EXACT SOLUTIONS AND SPINOR COUPLINGS**  
Adak M., Sert O., Kalay M., Sari M.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, cilt.28, 2013 (SCI İndekslerine Giren Dergi)
- **The extended cubic B-spline algorithm for a modified regularized long wave equation**  
DAĞ İ., İRK D., SARI M.  
CHINESE PHYSICS B, cilt.22, 2013 (SCI İndekslerine Giren Dergi)
- **Numerical Solution of Advection-Diffusion Equation Using a Sixth-Order Compact Finite Difference Method**  
Gurarslan G., Karahan H., Alkaya D., Sari M., Yasar M.  
MATHEMATICAL PROBLEMS IN ENGINEERING, 2013 (SCI İndekslerine Giren Dergi)
- **Prediction of Low Back Pain with Two Expert Systems**  
SARI M., Gulbandilar E., CIMBIZ A.  
JOURNAL OF MEDICAL SYSTEMS, cilt.36, ss.1523-1527, 2012 (SCI İndekslerine Giren Dergi)
- **High-Order Finite Difference Schemes for Numerical Solutions of the Generalized Burgers-Huxley Equation**  
SARI M., GÜRARSLAN G., Zeytinoglu A.  
NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, cilt.27, ss.1313-1326, 2011 (SCI İndekslerine Giren Dergi)
- **High-order finite difference schemes for the solution of the generalized Burgers-Fisher equation**  
SARI M., GÜRARSLAN G., ZEYTİNOĞLU A.  
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN BIOMEDICAL ENGINEERING, cilt.27, ss.1296-1308, 2011 (SCI İndekslerine Giren Dergi)
- **A sixth-order compact finite difference method for the one-dimensional sine-Gordon equation**  
SARI M., GÜRARSLAN G.  
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN BIOMEDICAL ENGINEERING, cilt.27, ss.1126-1138, 2011 (SCI İndekslerine Giren Dergi)
- **Numerical solutions of linear and nonlinear diffusion equations by a differential quadrature method (DQM)**  
Gurarslan G., Sari M.  
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN BIOMEDICAL ENGINEERING, cilt.27, ss.69-77, 2011 (SCI İndekslerine Giren Dergi)
- **HIGH-ORDER FINITE DIFFERENCE SCHEMES FOR SOLVING THE ADVECTION-DIFFUSION EQUATION**  
SARI M., Gurarslan G., Zeytinoglu A.  
MATHEMATICAL & COMPUTATIONAL APPLICATIONS, cilt.15, ss.449-460, 2010 (SCI İndekslerine Giren Dergi)
- **A Taylor-Galerkin finite element method for the KdV equation using cubic B-splines**  
Canivar A., Sari M., Dag I.  
PHYSICA B-CONDENSED MATTER, cilt.405, ss.3376-3383, 2010 (SCI İndekslerine Giren Dergi)
- **A NEURAL NETWORK BASED TRAFFIC-FLOW PREDICTION MODEL**  
Cetiner ..., SARI M., Borat O.  
MATHEMATICAL & COMPUTATIONAL APPLICATIONS, cilt.15, ss.269-278, 2010 (SCI İndekslerine Giren Dergi)
- **Dengue confirmed-cases prediction: A neural network model**  
Aburas H., Cetiner B., SARI M.  
EXPERT SYSTEMS WITH APPLICATIONS, cilt.37, ss.4256-4260, 2010 (SCI İndekslerine Giren Dergi)
- **Bi-para-mechanical systems on the bi-Lagrangian manifold**  
Tekkoyun M., Sari M.  
PHYSICA B-CONDENSED MATTER, cilt.405, ss.2390-2393, 2010 (SCI İndekslerine Giren Dergi)
- **Tibial motion assessment using artificial neural networks**

Cetiner G., SARI M.

MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, cilt.15, ss.34-44, 2010 (SCI Expanded İndekslerine Giren Dergi)

- **A Compact Finite Difference Method for the Solution of the Generalized Burgers-Fisher Equation**

Sari M., Gurarslan G., Dag I.

NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, cilt.26, ss.125-134, 2010 (SCI İndekslerine Giren Dergi)

- **Predicting effect of physical factors on tibial motion using artificial neural networks**

SARI M., Cetiner B.

EXPERT SYSTEMS WITH APPLICATIONS, cilt.36, ss.9743-9746, 2009 (SCI İndekslerine Giren Dergi)

- **A sixth-order compact finite difference scheme to the numerical solutions of Burgers' equation**

SARI M., Gurarslan G.

APPLIED MATHEMATICS AND COMPUTATION, cilt.208, ss.475-483, 2009 (SCI İndekslerine Giren Dergi)

- **Differential quadrature method (DQM) for a class of singular two-point boundary value problems**

Yucel U., SARI M.

INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, cilt.86, ss.465-475, 2009 (SCI İndekslerine Giren Dergi)

- **Solution of the Porous Media Equation by a Compact Finite Difference Method**

SARI M.

MATHEMATICAL PROBLEMS IN ENGINEERING, 2009 (SCI İndekslerine Giren Dergi)

- **Numerical Solutions of the Generalized Burgers-Huxley Equation by a Differential Quadrature Method**

SARI M., Guerarslan G.

MATHEMATICAL PROBLEMS IN ENGINEERING, 2009 (SCI İndekslerine Giren Dergi)

- **Relationship between skin resistance level and static balance in type II diabetic subjects**

Gulbandilar E., Cimbiz A., Sari M., Ozden H.

DIABETES RESEARCH AND CLINICAL PRACTICE, cilt.82, ss.335-339, 2008 (SCI İndekslerine Giren Dergi)

- **Relationship between physical factors and tibial motion in healthy subjects: 2D and 3D analyses**

Sari M.

ADVANCES IN THERAPY, cilt.24, ss.772-783, 2007 (SCI İndekslerine Giren Dergi)

## Diğer Dergilerde Yayınlanan Makaleler

- **Monte Carlo based stochastic approach for the first order nonlinear ODE systems**

Uslu H., Sari M.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI

MUHENDISLIK BILIMLERI DERGISI, cilt.26, ss.133-139, 2020 (ESCI İndekslerine Giren Dergi)

- **PARAMETER ESTIMATION TO AN ANEMIA MODEL USING THE PARTICLE SWARM OPTIMIZATION**

Ahmad A. A. , Sari M.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI

DERGISI, cilt.37, ss.1331-1343, 2019 (ESCI İndekslerine Giren Dergi)

- **Risk Assessment with Decision Tree in Professional Liability Insurance: In Accounting**

SARI M., GÜLBANDILAR E., DALKILIÇ N.

Journal of Artificial Intelligence, cilt.12, ss.18-23, 2019 (Diğer Kurumların Hakemli Dergileri)

- **Anemia Modelling Using the Multiple Regression Analysis**

Sari M., Ahmad A. A.

INTERNATIONAL JOURNAL OF ANALYSIS AND APPLICATIONS, cilt.17, ss.838-849, 2019 (ESCI İndekslerine

Giren Dergi)

- **A B-Spline-SSPRK54 Method for Advection-Diffusion Processes**

Ali Tahir S., Sari M.

BULLETIN OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.1, ss.1-10, 2019 (Diğer Kurumların Hakemli

Dergileri)

- **An Efficient Local Transform Method for Initial Value Problems**

Tunc H., SARI M.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, cilt.37, ss.163-174, 2019 (Diğer Kurumların Hakemli Dergileri)

- **A STOCHASTIC TREATMENT FOR OSCILLATORY BEHAVIOR WITH DAMPING**

Uslu H., Sarı M.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, cilt.10, ss.179-186, 2019 (ESCI İndekslerine Giren Dergi)

- **A higher order compact scheme for the nonlinear advection diffusion processes**

SARI M., HAMAD MUSSA S., TUNÇ H.

PROCEEDINGS OF THE INSTITUTE OF MATHEMATICS AND MECHANICS, cilt.45, ss.295-310, 2019 (ESCI İndekslerine Giren Dergi)

- **A decision support system for fall risk through biomechanical characteristics: A striking application**

GÜLBANDILAR E., SARI M., CİMBİZ A.

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, cilt.18, ss.486-494, 2018 (Diğer Kurumların Hakemli Dergileri)

- **DESIGNING A RESPONSE APPROACH IN CHAOTIC SYSTEMS**

Tahir S. A. , Bouhamidi A., Sarı M.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, cilt.36, ss.441-457, 2018 (ESCI İndekslerine Giren Dergi)

- **Finite element based hybrid techniques for advection-diffusion-reaction processes**

SARI M., Tunc H.

An International Journal of Optimization and Control: Theories Applications (IJOCTA), cilt.8, ss.127, 2018 (Diğer Kurumların Hakemli Dergileri)

- **A hybrid approach for regularized long wave-Burgers equation**

Zeytinoglu A., SARI M., P.Allahverdiev B.

AN INTERNATIONAL JOURNAL OF OPTIMIZATION AND CONTROL: THEORIES & APPLICATIONS (IJOCTA), cilt.8, ss.8-16, 2018 (Diğer Kurumların Hakemli Dergileri)

- **Generalized synchronization of identical and nonidentical chaotic dynamical systems via master approaches**

TAHIR S. A. , SARI M., BOUHAMIDI A.

An International Journal of Optimization and Control: Theories Applications (IJOCTA), cilt.7, ss.248-254, 2017 (Diğer Kurumların Hakemli Dergileri)

- **AN OPTIMIZATION TECHNIQUE IN ANALYZING THE BURGERS EQUATION**

SARI M., Tunc H.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, cilt.35, ss.369-386, 2017 (ESCI İndekslerine Giren Dergi)

- **Prediction of Low Back Pain Using a Fuzzy Logic Algorithm**

EYYUP G., SARI M., CİMBİZ A.

American Journal of Biomedical Science and Engineering, cilt.1, ss.58-62, 2015 (Diğer Kurumların Hakemli Dergileri)

- **Effects of imported goods on export and import of Turkey**

SARI M., Sari A., Popescu C.

Annals of the Constantin Brancuși University of Targu Jiu, Economy Series, 2014 (Diğer Kurumların Hakemli Dergileri)

- **Effects of Various Economic Factors on Turkish Imports**

Sari A., SARI M., Popescu C.

Economic Insights–Trends and Challenges, cilt.3, ss.1-9, 2014 (Diğer Kurumların Hakemli Dergileri)

- **A solution to the telegraph equation by using DGJ method**

SARI M., GÜNAY A., GÜRARSLAN G.

International Journal of Nonlinear Science, cilt.17, ss.57-66, 2014 (Diğer Kurumların Hakemli Dergileri)

- **Analysis of skin resistance level on lumbar paravertebral area in low back pain patients**

CİMBİZ A., SARI M., GÜLBANDILAR E.

JOURNAL OF QAFQAZ UNIVERSITY, cilt.2, ss.139-145, 2014 (Diğer Kurumların Hakemli Dergileri)

- **Approximate solutions of linear and non-linear diffusion equations by using Daftardar-Gejji-Jafari's**

## method

Sari M., Günay A., Gürarslan G.

International Journal of Mathematical Modelling and Numerical Optimisation, cilt.2, ss.376-386, 2011 (Diğer Kurumların Hakemli Dergileri)

- **Differential quadrature solutions of the generalized Burgers–Fisher equation with a strong stability preserving high-order time integration**

SARI M.

MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, cilt.16, ss.477-486, 2011 (Diğer Kurumların Hakemli Dergileri)

- **Effects of human and external factors on traffic accidents**

SARI M., MUTLU Ö., ZEYİNOĞLU A.

Petroleum-Gas University of Ploiesti Bulletin (Mathematics-Informatics-Physics Series), ss.9-17, 2009 (Diğer Kurumların Hakemli Dergileri)

- **Differential quadrature method for singularly perturbed two-point boundary value problems**

SARI M.

Journal of Applied Sciences, ss.1091-1096, 2008 (Diğer Kurumların Hakemli Dergileri)

- **Shtereom I simple windows R based software for stereology Volume and number estimations**

OĞUZ E. O. , ÇONKUR E. Ş. , SARI M.

Image Analysis and Stereology, cilt.26, ss.45-51, 2007 (Diğer Kurumların Hakemli Dergileri)

- **A new clinical design measuring the vertical axial rotation through tibial shaft resulting from passive knee and subtalar joints rotation in healthy subjects: A reliability study**

Cimbiz A., Cavlak U., Sari M., Hallaceli H., Beydemir F.

Journal of Medical Sciences, cilt.6, ss.751-757, 2006 (Diğer Kurumların Hakemli Dergileri)

- **Alan Tahmini Yöntemi ile Microsporum canis büyüme dinamiklerinin dört farklı besiyerinde değerlendirilmesi**

Ergin C., Oguz E., Kaleli I., SARI M., Sengul M., Kutlubay R.

TÜRK MİKROBİYOLOJİ CEMİYETİ DERGİSİ, ss.129-132, 2006 (Diğer Kurumların Hakemli Dergileri)

- **Wave modelling through layered media using the BEM**

SARI M., DEMİR I.

Journal of Applied Sciences, ss.1703-1711, 2006 (Diğer Kurumların Hakemli Dergileri)

- **Morfometri için Tarafsız Stereoloji Neden ve Nasıl? Son İlerlemeler II**

Oguz E., SARI M.

Journal of the Faculty of Medicine (Pamukkale University), cilt.9, ss.67-76, 2003 (Diğer Kurumların Hakemli Dergileri)

- **The time domain boundary element method for scalar wave problems**

SARI M.

Pamukkale University Journal of Engineering Sciences, cilt.9, ss.129-136, 2003 (Diğer Kurumların Hakemli Dergileri)

- **Acoustic wave modelling using two different numerical methods**

SARI M., Demir I.

Pamukkale University Journal of Engineering Sciences, cilt.8, ss.211-217, 2002 (Diğer Kurumların Hakemli Dergileri)

## Kitap & Kitap Bölümleri

- **Mathematical Modelling and Optimization of Engineering Problems**

Adham Ahmad A., Sari M., Coşgun T.

A Medical Modelling Using Multiple Linear Regression, J. A. Tenreiro Machado, Necati Özdemir, Dumitru Baleanu, Editör, Springer, London/Berlin , London, ss.71-87, 2020

- **Numerical Solutions of Realistic Nonlinear Phenomena**

Coşgun T., Sari M., Uslu H.

A New Approach for the Solution of the Generalized Abel Integral Equation, Machado J., Özdemir N., Baleanu D., Editör, Springer, London/Berlin , Zug, ss.145-151, 2020

- **Lecture Notes in Computer Science book series (LNCS, volume 11189) - Numerical Methods and Applications**

ZEYTİNOĞLU A., SARI M.

Some Difference Algorithms for Nonlinear Klein-Gordon Equations, Nikolov Geno, Kolkovska Natalia, Georgiev Krassimir, Editör, Springer, ss.491-498, 2019

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- **A Padé-Legendre Reconstruction for Difference Solutions of Shock Behaviour**  
TUNÇ H., SARI M., HAMAD MUSSA S.  
2nd International Conference on Mathematical Advances and Applications, 3 - 05 Mayıs 2019, ss.92
- **A stochastic approach for the nonlinear Duffing oscillator with damping term**  
USLU H., SARI M.  
2nd International Mathematical Developments and Applications Conference (ICOMAA-2019), 3 - 05 Mayıs 2019, ss.45
- **PERISHABLE CARGO BETWEEN TURKEY AND ROMANIA**  
SARIA., SARI M., POPESCU C.  
INFORMATION SOCIETY AND SUSTAINABLE DEVELOPMENT, 10 - 11 Mayıs 2019
- **Discrete Algorithms for Black Scholes Option Pricing Economic Model**  
SARI M., BALACESCU A.  
Business and Applied Economics, 01 Kasım 2018, ss.152-155
- **Behavior of Some Population Models through the Monte Carlo Method**  
USLU H., SARI M.  
International Conference on Applied Mathematics, Modeling and Life Science Problems (ICAMLS'xx18), İstanbul, Türkiye, 3 - 05 Ekim 2018
- **REASONABLE MODIFICATIONS UNDER THE B-SPLINE BASIS WITH THE SSPRK54 FOR SOLVING THE BURGERS EQUATION**  
SARI M., ALİ TAHİR S.  
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- **Monte Carlo Based Stochastic Approach for Some Nonlinear ODE Systems**  
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- **Some Difference Algorithms for Nonlinear Klein-Gordon Equations**  
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- **New Algorithms for the Sine-Gordon Equation**  
ZEYTİNOĞLU A., SARI M.  
Ninth International Conference on Numerical Methods and Applications, NMA'18, Borovets, Bulgaristan, 20 - 24 Ağustos 2018, ss.81
- **The Qualitative Behavior of Some Stiff ODEs Through Stochastic Methods**  
SARI M., USLU H., COŞGUN T.  
The International Conference on Applied Mathematics in Engineering (ICAME'xx18), Balıkesir, Türkiye, 27 - 29 Haziran 2018, ss.102
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