

Prof. Murat SARI

Personal Information

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Education Information

Doctorate, University of Glamorgan (Prifysgol Morgannwg), United Kingdom 1994 - 2000

Under Graduate, Ondokuz Mayıs University, Faculty Of Education, Department Of Mathematics And Science Teaching, Turkey 1987 - 1991

Dissertations

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

Research Areas

Mathematics, Differential Equations, Partial Differential Equations, Optimization, Numerical Analysis, Natural Sciences

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty of Arts & Science, Department of Mathematics, 2018 - Continues

Associate Professor, Yildiz Technical University, Faculty of Arts & Science, Department of Mathematics, 2015 - 2018

Associate Professor, Pamukkale University, Faculty Of Science And Letters, Department Of Mathematics, 2012 - 2015

Assistant Professor, Pamukkale University, Faculty Of Science And Letters, Department Of Mathematics, 2003 - 2012

Lecturer PhD, Pamukkale University, Faculty Of Science And Letters, Department Of Mathematics, 2001 - 2002

Research Assistant, Pamukkale University, Faculty Of Science And Letters, Department Of Mathematics, 1993 - 2001

Professional Experience

Assistant Coordinator, Yildiz Technical University, 2018 - Continues

Farabi Coordinator, Yildiz Technical University, Faculty of Arts & Science, Department of Mathematics, 2015 - 2019

Mevlana Exchange Program Coordinator, Yildiz Technical University, Faculty of Arts & Science, Department of Mathematics, 2015 - 2019

Erasmus Coordinator, Yildiz Technical University, Faculty of Arts & Science, Department of Mathematics, 2015 - 2019

Erasmus Coordinator, Pamukkale University, Faculty Of Science And Letters, Department Of Mathematics, 2005 - 2014

Deputy Head of Department, Pamukkale University, Faculty Of Science And Letters, Department Of Mathematics, 2002 - 2012

Head of Department, Pamukkale University, Faculty Of Science And Letters, Department Of Mathematics, 2006 - 2006

Advising Theses

SARI M., Numerical and Synchronizational Behavior of Some Evaluation Equations, Doctorate, S.Ali(Student), Continues

SARI M., Analysis of Navier-Stokes Equations through High-Order Hybrid Methods, Doctorate, H.Tunç(Student), Continues

SARI M., Numerical Discussion of Some Basic Soliton Waves, Post Graduate, C.Tuna(Student), Continues

SARI M., Treatment of Fluid Dynamics Models Through High-order Numerical Schemes, Doctorate, T.Coşgun(Student), Continues

Sari M., Modelling of Stochastic Processes, Doctorate, A.Adham(Student), Continues

Sari M., Numerical Discussions of Advection Diffusion Models, Post Graduate, S.Hamad(Student), 2019

Sari M., Hepatitis B Modelling using Genetic Algorithm, Post Graduate, E.Kasap(Student), 2019

SARI M., Behavior of First Order Differential Equations Through A Monte Carlo Based Algorithm, Post Graduate, H.Uslu(Student), 2018

SARI M., Hesaplamalı Akışkanlar Dinamiğinde Hibrit Yaklaşımlar, Doctorate, A.Zeytinoğlu(Student), 2017

SARI M., Various Finite Element Techniques for Advection- diffusion-Reaction Processes, Post Graduate, H.Tunç(Student), 2017

SARI M., Various Finite Difference Solutions of Option Pricing Models, Post Graduate, T.Yıldırım(Student), 2016

SARI M., Burgers Denklemine Petrov-Glaerkin Sonlu Eleman Çözümü, Post Graduate, M.Bayraktar(Student), 2016

SARI M., Numerical Behaviour of Advection-Diffusion Equation, Post Graduate, L.J.M.(Student), 2016

SARI M., Çeşitli Sonlu Fark Şemaları ile Burgers Denklemine Çözümü, Post Graduate, E.Dinçer(Student), 2015

SARI M., Some Approximate Solutions of Burgers Equations, Post Graduate, A.Zeytinoğlu(Student), 2010

SARI M., Akışkanlar Dinamiğinin Temel Model Problemlerinin Sonlu Fark Çözümleri, Post Graduate, A.Günay(Student), 2010

SARI M., Heat Conduction Modelling using the Differential Transform Method, Post Graduate, S.SALINAN(Student), 2008

SARI M., Time Integrals in Boundary Element Method, Post Graduate, S.Yıldırım(Student), 2006

SARI M., Scalar Wave Modelling Using Numerical Methods, Post Graduate, T.Koparan(Student), 2005

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Anemia Prediction with Multiple Regression Support in System Medicinal Internet of Things**
AHMAD A. A. , SARI M.
JOURNAL OF MEDICAL IMAGING AND HEALTH INFORMATICS, vol.10, pp.261-267, 2020 (Journal Indexed in SCI)
- **A New Approach for the Black-Scholes Model with Linear and Nonlinear Volatilities**
GULEN S., POPESCU C., SARI M.
MATHEMATICS, vol.7, 2019 (Journal Indexed in SCI)
- **A local differential transform approach to the cubic nonlinear Duffing oscillator with damping term**
Tunç H., SARI M.
SCIENTIA IRANICA, vol.26, pp.879-886, 2019 (Journal Indexed in SCI)
- **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, vol.29, pp.132-145, 2019 (Journal Indexed in SCI)
- **Higher order splitting approaches in analysis of the Burgers equation**
SARI M., Tunc H., SEYDAOĞLU M.
KUWAIT JOURNAL OF SCIENCE, vol.46, pp.1-14, 2019 (Journal Indexed in SCI)
- **Behaviour of advection-diffusion-reaction processes with forcing terms**
SARI M., Tahir S. A. , BOUHAMIDI A.
CARPATHIAN JOURNAL OF MATHEMATICS, vol.35, pp.233-252, 2019 (Journal Indexed in SCI)
- **Prediction of Tibial Rotation Pathologies Using Particle Swarm Optimization and K-Means Algorithms**
SARI M., TUNA C., Akogul S.
JOURNAL OF CLINICAL MEDICINE, vol.7, 2018 (Journal Indexed in SCI)
- **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, vol.27, pp.421-431, 2018 (Journal Indexed in SCI)
- **Prediction of Pathological Subjects Using Genetic Algorithms**
SARI M., TUNA C.
COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, 2018 (Journal Indexed in SCI)

- **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, vol.133, pp.140-151, 2018 (Journal Indexed in SCI)
- **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, vol.172, pp.415-425, 2015 (Journal Indexed in SCI)
- **SYMMETRIC TELEPARALLEL GRAVITY: SOME EXACT SOLUTIONS AND SPINOR COUPLINGS**
 Adak M., Sert O., Kalay M., Sari M.
 INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.28, 2013 (Journal Indexed in SCI)
- **The extended cubic B-spline algorithm for a modified regularized long wave equation**
 DAĞ İ., İRK D., SARI M.
 CHINESE PHYSICS B, vol.22, 2013 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **Prediction of Low Back Pain with Two Expert Systems**
 SARI M., Gulbandilar E., CIMBIZ A.
 JOURNAL OF MEDICAL SYSTEMS, vol.36, pp.1523-1527, 2012 (Journal Indexed in SCI)
- **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, vol.27, pp.1313-1326, 2011 (Journal Indexed in SCI)
- **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, vol.27, pp.1296-1308, 2011 (Journal Indexed in SCI)
- **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, vol.27, pp.1126-1138, 2011 (Journal Indexed in SCI)
- **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, vol.27, pp.69-77, 2011 (Journal Indexed in SCI)
- **HIGH-ORDER FINITE DIFFERENCE SCHEMES FOR SOLVING THE ADVECTION-DIFFUSION EQUATION**
 SARI M., Gurarslan G., Zeytinoglu A.
 MATHEMATICAL & COMPUTATIONAL APPLICATIONS, vol.15, pp.449-460, 2010 (Journal Indexed in SCI)
- **A Taylor-Galerkin finite element method for the KdV equation using cubic B-splines**
 Canivar A., Sari M., Dag I.
 PHYSICA B-CONDENSED MATTER, vol.405, pp.3376-3383, 2010 (Journal Indexed in SCI)
- **A NEURAL NETWORK BASED TRAFFIC-FLOW PREDICTION MODEL**
 Cetiner ..., SARI M., Borat O.
 MATHEMATICAL & COMPUTATIONAL APPLICATIONS, vol.15, pp.269-278, 2010 (Journal Indexed in SCI)
- **Dengue confirmed-cases prediction: A neural network model**
 Aburas H., Cetiner B., SARI M.
 EXPERT SYSTEMS WITH APPLICATIONS, vol.37, pp.4256-4260, 2010 (Journal Indexed in SCI)
- **Bi-para-mechanical systems on the bi-Lagrangian manifold**
 Tekkoyun M., Sari M.
 PHYSICA B-CONDENSED MATTER, vol.405, pp.2390-2393, 2010 (Journal Indexed in SCI)

- **Tibial motion assessment using artificial neural networks**
Cetiner G., SARI M.
MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, vol.15, pp.34-44, 2010 (Journal Indexed in SCI Expanded)
- **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, vol.26, pp.125-134, 2010 (Journal Indexed in SCI)
- **Predicting effect of physical factors on tibial motion using artificial neural networks**
SARI M., Cetiner B.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, pp.9743-9746, 2009 (Journal Indexed in SCI)
- **A sixth-order compact finite difference scheme to the numerical solutions of Burgers' equation**
SARI M., Gurarslan G.
APPLIED MATHEMATICS AND COMPUTATION, vol.208, pp.475-483, 2009 (Journal Indexed in SCI)
- **Differential quadrature method (DQM) for a class of singular two-point boundary value problems**
Yucel U., SARI M.
INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, vol.86, pp.465-475, 2009 (Journal Indexed in SCI)
- **Solution of the Porous Media Equation by a Compact Finite Difference Method**
SARI M.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2009 (Journal Indexed in SCI)
- **Numerical Solutions of the Generalized Burgers-Huxley Equation by a Differential Quadrature Method**
SARI M., Gurarslan G.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2009 (Journal Indexed in SCI)
- **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, vol.82, pp.335-339, 2008 (Journal Indexed in SCI)
- **Relationship between physical factors and tibial motion in healthy subjects: 2D and 3D analyses**
Sari M.
ADVANCES IN THERAPY, vol.24, pp.772-783, 2007 (Journal Indexed in SCI)

Articles Published in Other Journals

- **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, vol.26, pp.133-139, 2020 (Journal Indexed in ESCI)
- **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, vol.37, pp.1331-1343, 2019 (Journal Indexed in ESCI)
- **Risk Assessment with Decision Tree in Professional Liability Insurance: In Accounting**
SARI M., GÜLBANDILAR E., DALKILIÇ N.
Journal of Artificial Intelligence, vol.12, pp.18-23, 2019 (Refereed Journals of Other Institutions)
- **Anemia Modelling Using the Multiple Regression Analysis**
Sari M., Ahmad A. A.
INTERNATIONAL JOURNAL OF ANALYSIS AND APPLICATIONS, vol.17, pp.838-849, 2019 (Journal Indexed in ESCI)
- **A B-Spline-SSPRK54 Method for Advection-Diffusion Processes**
Ali Tahir S., Sari M.
BULLETIN OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.1, pp.1-10, 2019 (Refereed Journals of Other Institutions)
- **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, vol.37, pp.163-174, 2019 (Refereed Journals of Other Institutions)

- **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, vol.10, pp.179-186, 2019 (Journal Indexed in ESCI)

- **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, vol.45, pp.295-310, 2019 (Journal Indexed in ESCI)

- **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, vol.18, pp.486-494, 2018 (Refereed Journals of Other Institutions)

- **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, vol.36, pp.441-457, 2018 (Journal Indexed in ESCI)

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

SARI M., Tunc H.

An International Journal of Optimization and Control: Theories Applications (IJOCTA), vol.8, pp.127, 2018 (Refereed Journals of Other Institutions)

- **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), vol.8, pp.8-16, 2018 (Refereed Journals of Other Institutions)

- **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), vol.7, pp.248-254, 2017 (Refereed Journals of Other Institutions)

- **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, vol.35, pp.369-386, 2017 (Journal Indexed in ESCI)

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

EYYUP G., SARI M., CİMBİZ A.

American Journal of Biomedical Science and Engineering, vol.1, pp.58-62, 2015 (Refereed Journals of Other Institutions)

- **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 (Refereed Journals of Other Institutions)

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

Sari A., SARI M., Popescu C.

Economic Insights–Trends and Challenges, vol.3, pp.1-9, 2014 (Refereed Journals of Other Institutions)

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

SARI M., GÜNAY A., GÜRARSLAN G.

International Journal of Nonlinear Science, vol.17, pp.57-66, 2014 (Refereed Journals of Other Institutions)

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

CİMBİZ A., SARI M., GÜLBANDILAR E.

JOURNAL OF QAFQAZ UNIVERSITY, vol.2, pp.139-145, 2014 (Refereed Journals of Other Institutions)

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

method

Sari M., Günay A., Gürarlan G.

International Journal of Mathematical Modelling and Numerical Optimisation, vol.2, pp.376-386, 2011 (Refereed Journals of Other Institutions)

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

SARI M.

MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, vol.16, pp.477-486, 2011 (Refereed Journals of Other Institutions)

- **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), pp.9-17, 2009 (Refereed Journals of Other Institutions)

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

SARI M.

Journal of Applied Sciences, pp.1091-1096, 2008 (Refereed Journals of Other Institutions)

- **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, vol.26, pp.45-51, 2007 (Refereed Journals of Other Institutions)

- **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, vol.6, pp.751-757, 2006 (Refereed Journals of Other Institutions)

- **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, pp.129-132, 2006 (Other Refereed National Journals)

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

SARI M., DEMİR I.

Journal of Applied Sciences, pp.1703-1711, 2006 (Refereed Journals of Other Institutions)

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

Oguz E., SARI M.

Journal of the Faculty of Medicine (Pamukkale University), vol.9, pp.67-76, 2003 (Other Refereed National Journals)

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

SARI M.

Pamukkale University Journal of Engineering Sciences, vol.9, pp.129-136, 2003 (Other Refereed National Journals)

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

SARI M., Demir I.

Pamukkale University Journal of Engineering Sciences, vol.8, pp.211-217, 2002 (Other Refereed National Journals)

Book & Book Chapters

- **in: 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, Editor, Springer, London/Berlin, London, pp.71-87, 2020

- **in: 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., Editor, Springer, London/Berlin, Zug, pp.145-151, 2020

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

ZEYİNOĞLU A., SARI M.

Refereed Congress / Symposium Publications in Proceedings

- **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 Mays 2019, pp.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 Mays 2019, pp.45
- **PERISHABLE CARGO BETWEEN TURKEY AND ROMANIA**
SARI A., SARI M., POPESCU C.
INFORMATION SOCIETY AND SUSTAINABLE DEVELOPMENT, 10 - 11 Mays 2019
- **Discrete Algorithms for Black Scholes Option Pricing Economic Model**
SARI M., BALACESCU A.
Business and Applied Economics, 01 Kasım 2018, pp.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, Turkey, 3 - 05 Ekim 2018
- **REASONABLE MODIFICATIONS UNDER THE B-SPLINE BASIS WITH THE SSPRK54 FOR SOLVING THE BURGERS EQUATION**
SARI M., ALİ TAHİR S.
4th INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS, 11 - 14 Eylül 2018, pp.68
- **Monte Carlo Based Stochastic Approach for Some Nonlinear ODE Systems**
SARI M., USLU H.
Ninth International Conference on Numerical Methods and Applications NMA'xx18, Borovets, Bulgaria, 20 - 24 Ağustos 2018, pp.51
- **Some Difference Algorithms for Nonlinear Klein-Gordon Equations**
ZEYTİNOĞLU A., SARI M.
Ninth International Conference on Numerical Methods and Applications, NMA'18, Borovets, Bulgaria, 20 - 24 Ağustos 2018, pp.81-82
- **New Algorithms for the Sine-Gordon Equation**
ZEYTİNOĞLU A., SARI M.
Ninth International Conference on Numerical Methods and Applications, NMA'18, Borovets, Bulgaria, 20 - 24 Ağustos 2018, pp.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, Turkey, 27 - 29 Haziran 2018, pp.102
- **Mathematical Modelling of a Medical Problem Using Multiple Linear Regression**
SARI M., AHMAD A. A. , COŞGUN T.
The International Conference on Applied Mathematics in Engineering (ICAME'xx18), 27 - 29 Haziran 2018, pp.104
- **A Discussion of the Generalized Abel Integral Equation**
COŞGUN T., SARI M., USLU H.
The International Conference on Applied Mathematics in Engineering (ICAME'xx18), Balıkesir, Turkey, 27 - 29 Haziran 2018, pp.89
- **A Discussion of the Singular and Weakly Singular Integral Equations with Abel Type Kernels**
COŞGUN T., SARI M., AHMAD A. A.
The International Conference on Applied Mathematics in Engineering (ICAME'xx18), 27 - 29 Haziran 2018, pp.146
- **Numerical Behaviours of Some Option Pricing Models**

SARI M., Popescu C., Zahradka J.

European Economy and Digital Society in the Current Geopolitical Context (EEDS 2017), 16 - 18 Aralık 2017

- **Comparison of Encryption And Decryption Algorithms through Various Approches**

SARI M., Bulut M. İ. , Kanpak I. B.

13th Algebraic Hyperstructures and its Applications Conference, İstanbul, Turkey, 24 Temmuz 2017, pp.1

- **International Conference on Applied Analysis And Mathematical Modeling (ICAAMM)**

SELİM S., Elver G., SARI M.

A discussion on singular two-point nonlinear boundary value problems, İstanbul, Turkey, 03 Temmuz 2017, pp.1

- **Comparative Algorithms for the Black-Scholes Option Pricing Model**

SARI M., Popescu C., Zahradka J.

International Scientific Conference "Information Society and Sustainable Development", 4th edition, Targu Jiu, Gorj Country, Romania, 28 Mayıs 2017, pp.509

- **Discussion of Advection-Diffusion Process in Finite Element Techniques**

SARI M., Tunc H.

The Second International Conference on Computational Mathematics and Engineering Sciences (CMES2017), İstanbul, Turkey, 20 Mayıs 2017, pp.14

- **Numerical Behavior of Singular Two-Point Boundary Value Problems in A Comparative Way**

SELİM S., Elver G., SARI M.

The Second International Conference on Computational Mathematics and Engineering Sciences (CMES2017), İstanbul, Turkey, 20 Mayıs 2017, pp.26

- **Capturing The Behavior of Advection-Diffusion Process Through Monte Carlo Simulation**

SARI M., Adham Ahmad A., Almashhadani L.

The Second International Conference on Computational Mathematics and Engineering Sciences (CMES2017), İstanbul, Turkey, 20 Mayıs 2017, pp.89

- **Synchronization of Identical and Non-identical Chaotic Dynamical Systems**

Ali-Tahir S., Bouhamidi A., SARI M.

The Second International Conference on Computational Mathematics and Engineering Sciences (CMES2017), İstanbul, Turkey, 20 Mayıs 2017, pp.162

- **Solutions of Differential Equations through Monte Carlo Algorithms**

USLU H., SARI M.

The Second International Conference on Computational Mathematics and Engineering Sciences (CMES2017), 20 - 22 Mayıs 2017

- **Various Methods for the Burgers Equation**

SARI M., Dinçer E.

The Second International Conference on Computational Mathematics and Engineering Sciences (CMES2017), İstanbul, Turkey, 20 Mayıs 2017, pp.91

- **Analysis of steep behavior in the Burgers equation**

SARI M., Tunc H.

International Conference on Mathematics and Engineering, İstanbul, Turkey, 10 Mayıs 2017, pp.10

- **Monte Carlo Solutions of Differential Equations**

USLU H., SARI M.

The Second International Conference on Modeling and Scientific Computing in Mathematical Engineering (MOCASIM2017), 17 - 20 Nisan 2017

- **Modelling of Nonlinear Behaviour**

SARI M.

The Second International Conference on Modeling and Scientific Computing in Mathematical Engineering (MOCASIM2017), Marakeş, Morocco, 17 Nisan 2017, pp.9

- **Numerical Methods for Pricing European CallOptions Using the Black Scholes Economic Model**

SARI M., YILDIRIM T.

24th International Conference on Applied and Industrial Mathematics CAIM, Craiova, Romania, 15 - 18 Eylül 2016

- **Numerical analysis of convection diffusion processes**

SARI M., Almashhadani L., AHMED A.

ICFAS 2016 - International Congress on Fundamental and Applied Sciences, İstanbul, Turkey, 22 - 26 Ağustos

2016

- **Discussion on advection diffusion equation through finite difference schemes**
SARI M., Almashhadani L., AHMED A.
2nd International Conference on Analysis and its Applications, Kırşehir, Turkey, 12 - 15 Temmuz 2016
- **Seismic Response in Layered Media**
SARI M., SALINAN S.
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- **Seismic Damages in Pipelines in the Light of Preventive Maintenance**
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