

Prof. Murat SARI

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: T-8406-2017

ScopusID: 35273355700

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Education Information

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

Undergraduate, 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 Arts And Sciences, Department Of Mathematics, 2012 - 2015

Assistant Professor, Pamukkale University, Faculty Of Arts And Sciences, Department Of Mathematics, 2003 - 2012

Lecturer PhD, Pamukkale University, Faculty Of Arts And Sciences, Department Of Mathematics, 2001 - 2002

Research Assistant, Pamukkale University, Faculty Of Arts And Sciences, Department Of Mathematics, 1993 - 2001

Academic and Administrative Experience

Farabi Coordinator, Yildiz Technical University, 2019 - 2020

Mevlana Exchange Program Coordinator, Yildiz Technical University, 2019 - 2020

Erasmus Coordinator, Yildiz Technical University, 2019 - 2020

Assistant Coordinator, Yildiz Technical University, 2018 - 2019

Farabi 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
Mevlana Exchange Program 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

Sarı M., Analysis of Time Dependent Optimal Control Problems Through Monte Carlo Methods, Doctorate, H.USLU(Student), Continues
Sarı M., Taşınım Süreçlerinin Yapay Zeka ile Çözümü, Postgraduate, P.Emecan(Student), Continues
Sarı M., Solution of Advection Diffusion Equations Using the Genetic Algorithms, Postgraduate, E.Yağanoğlu(Student), Continues
Sarı M., Mathematical Models for Estimating Social Precuations in The Context of Infections Disease Spread, Postgraduate, R.Nashebi(Student), Continues
SARI M., Analysis of Navier-Stokes Equations through High-Order Hybrid Methods, Doctorate, H.Tunç(Student), Continues
SARI M., Treatment of Fluid Dynamics Models Through High-order Numerical Schemes, Doctorate, T.Coşgun(Student), Continues
Sarı M., Krylov Subspace Methods for Algebraic Equation Systems, Postgraduate, H.Sav(Student), 2020
Sarı M., Numerical and Synchronizational Behaviors of Some Evolution Equations, Doctorate, S.Ali(Student), 2020
Sarı M., Mathematical Modeling to Predict the Anemia Based on Medical Data,, Doctorate, A.Adham(Student), 2020
Sarı M., Numerical Discussions of Advection Diffusion Models, Postgraduate, S.Hamad(Student), 2019
Sarı M., Hepatitis B Modelling using Genetic Algoritim, Postgraduate, E.Kasap(Student), 2019
SARI M., Behavior of First Order Differential Equations Through A Monte Carlo Based Algorithm, Postgraduate, 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, Postgraduate, H.Tunç(Student), 2017
SARI M., Various Finite Difference Solutions of Option Pricing Models, Postgraduate, T.Yıldırım(Student), 2016
SARI M., Burgers Denklemine Petrov-Glaerkin Sonlu Eleman Çözümü, Postgraduate, M.Bayraktar(Student), 2016
SARI M., Numerical Behaviour of Advection-Diffusion Equation, Postgraduate, L.J.M.(Student), 2016
SARI M., Çeşitli Sonlu Fark Şemaları ile Burgers Denklemine Çözümü, Postgraduate, E.Dinçer(Student), 2015
SARI M., Some Approximate Solutions of Burgers Equations, Postgraduate, A.Zeytinoğlu(Student), 2010
SARI M., Akışkanlar Dinamiğinin Temel Model Problemlerinin Sonlu Fark Çözümleri, Postgraduate, A.Günay(Student), 2010
SARI M., Heat Conduction Modelling using the Differential Transform Method, Postgraduate, S.SALINAN(Student), 2008
SARI M., Time Integrals in Boundary Element Method, Postgraduate, S.Yıldırım(Student), 2006
SARI M., Scalar Wave Modelling Using Numerical Methods, Postgraduate, T.Koparan(Student), 2005

Published journal articles indexed by SCI, SSCI, and AHCI

- An investigation on environmental pollution due to essential heavy metals: a prediction model through multilayer perceptrons**
SARI M., Yalcin I. E. , Taner M., Cosgun T., ÖZYİĞİT İ. İ.
INTERNATIONAL JOURNAL OF PHYTOREMEDIATION, 2022 (Journal Indexed in SCI)

- II. **An implicit-explicit local method for parabolic partial differential equations**
Tunc H., SARI M.
ENGINEERING COMPUTATIONS, vol.39, no.3, pp.1020-1037, 2022 (Peer-Reviewed Journal)
- III. **A space-time Chebyshev spectral collocation method for the reaction-dispersion equations with anti-kink-type waves**
SARI M., Kocak H., Tunc H.
International Journal of Modern Physics C, 2022 (Journal Indexed in SCI Expanded)
- IV. **A Fréchet derivative-based novel approach to option pricing models in illiquid markets**
Gülen S., Sarı M.
Mathematical Methods In The Applied Sciences, vol.45, pp.899-913, 2022 (Peer-Reviewed Journal)
- V. **A novel approach regarding the fixed points of repelling nature**
Coşgun T., Sarı M.
Chaos Solitons & Fractals, vol.153, no.2021, pp.1-11, 2021 (Journal Indexed in SCI)
- VI. **Deciding Heavy Metal Levels in Soil Based on Various Ecological Information through Artificial Intelligence Modeling**
SARI M., Cosgun T., Yalcin I. E. , Taner M., ÖZYIĞİT İ. İ.
APPLIED ARTIFICIAL INTELLIGENCE, 2021 (Journal Indexed in SCI)
- VII. **A stability preserved time-integration method for nonlinear advection-diffusion-reaction processes**
Tunc H., SARI M.
JOURNAL OF MATHEMATICAL CHEMISTRY, vol.59, no.8, pp.1917-1937, 2021 (Journal Indexed in SCI)
- VIII. **Simulations of Nonlinear Parabolic PDEs with Forcing Function without Linearization**
Ali Tahir S., Sarı M.
Mathematica Slovaca, vol.71, no.4, pp.1005-1018, 2021 (Journal Indexed in SCI)
- IX. **A new implicit-explicit local differential method for boundary value problems**
Tunç H., Sarı M.
Turkish Journal Of Mathematics, vol.45, pp.742-766, 2021 (Peer-Reviewed Journal)
- X. **Synchronization of the Nonlinear Advection-Diffusion-Reaction Processes**
Sarı M., Tahir S. A.
Mathematical Methods In The Applied Sciences, no.44, pp.11970-11984, 2021 (Journal Indexed in SCI Expanded)
- XI. **Simulations of nonlinear advection-diffusion models through various finite element techniques**
Tunç H., Sarı M.
Scientia Iranica, vol.27, no.6, pp.2853-2870, 2020 (Peer-Reviewed Journal)
- XII. **Traveling wave solutions and stability behaviours under advection dominance for singularly perturbed advection-diffusion-reaction processes**
Coşgun T., Sarı M.
Chaos Solitons & Fractals, vol.138, pp.109881, 2020 (Journal Indexed in SCI)
- XIII. **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, no.1, pp.261-267, 2020 (Peer-Reviewed Journal)
- XIV. **A New Approach for the Black-Scholes Model with Linear and Nonlinear Volatilities**
GULEN S., POPESCU C., SARI M.
MATHEMATICS, vol.7, no.8, 2019 (Peer-Reviewed Journal)
- XV. **A local differential transform approach to the cubic nonlinear Duffing oscillator with damping term**
Tunç H., SARI M.
SCIENTIA IRANICA, vol.26, no.2, pp.879-886, 2019 (Journal Indexed in SCI)
- XVI. **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, no.1, pp.132-145, 2019 (Journal Indexed in SCI)
- XVII. **Higher order splitting approaches in analysis of the Burgers equation**

- SARI M., Tunc H., SEYDAOĞLU M.
KUWAIT JOURNAL OF SCIENCE, vol.46, no.1, pp.1-14, 2019 (Journal Indexed in SCI)
- XVIII. **Behaviour of advection-diffusion-reaction processes with forcing terms**
SARI M., Tahir S. A., BOUHAMIDI A.
CARPATHIAN JOURNAL OF MATHEMATICS, vol.35, no.2, pp.233-252, 2019 (Journal Indexed in SCI)
- XIX. **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, no.4, 2018 (Journal Indexed in SCI)
- XX. **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, no.6, pp.421-431, 2018 (Journal Indexed in SCI)
- XXI. **Prediction of Pathological Subjects Using Genetic Algorithms**
SARI M., TUNA C.
COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, 2018 (Journal Indexed in SCI)
- XXII. **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, no.1, pp.140-151, 2018 (Journal Indexed in SCI)
- XXIII. **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, no.2, pp.415-425, 2015 (Journal Indexed in SCI)
- XXIV. **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, no.32, 2013 (Journal Indexed in SCI)
- XXV. **The extended cubic B-spline algorithm for a modified regularized long wave equation**
DAĞ İ., İRK D., SARI M.
CHINESE PHYSICS B, vol.22, no.4, 2013 (Journal Indexed in SCI)
- XXVI. **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)
- XXVII. **Prediction of Low Back Pain with Two Expert Systems**
SARI M., Gulbandilar E., CIMBIZ A.
JOURNAL OF MEDICAL SYSTEMS, vol.36, no.3, pp.1523-1527, 2012 (Journal Indexed in SCI)
- XXVIII. **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, no.5, pp.1313-1326, 2011 (Journal Indexed in SCI)
- XXIX. **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, no.8, pp.1296-1308, 2011 (Peer-Reviewed Journal)
- XXX. **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, no.7, pp.1126-1138, 2011 (Journal Indexed in SCI)
- XXXI. **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, no.1, pp.69-77,

2011 (Journal Indexed in SCI)

- XXXII. **HIGH-ORDER FINITE DIFFERENCE SCHEMES FOR SOLVING THE ADVECTION-DIFFUSION EQUATION**
SARI M., Gurarslan G., Zeytinoglu A.
MATHEMATICAL & COMPUTATIONAL APPLICATIONS, vol.15, no.3, pp.449-460, 2010 (Journal Indexed in SCI)
- XXXIII. **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, no.16, pp.3376-3383, 2010 (Journal Indexed in SCI)
- XXXIV. **A NEURAL NETWORK BASED TRAFFIC-FLOW PREDICTION MODEL**
Cetiner ..., SARI M., Borat O.
MATHEMATICAL & COMPUTATIONAL APPLICATIONS, vol.15, no.2, pp.269-278, 2010 (Journal Indexed in SCI)
- XXXV. **Dengue confirmed-cases prediction: A neural network model**
Aburas H., Cetiner B., SARI M.
EXPERT SYSTEMS WITH APPLICATIONS, vol.37, no.6, pp.4256-4260, 2010 (Journal Indexed in SCI)
- XXXVI. **Bi-para-mechanical systems on the bi-Lagrangian manifold**
Tekkoyun M., Sari M.
PHYSICA B-CONDENSED MATTER, vol.405, no.10, pp.2390-2393, 2010 (Journal Indexed in SCI)
- XXXVII. **Tibial motion assessment using artificial neural networks**
Cetiner G., SARI M.
MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, vol.15, no.1, pp.34-44, 2010 (Journal Indexed in SCI Expanded)
- XXXVIII. **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, no.1, pp.125-134, 2010 (Journal Indexed in SCI)
- XXXIX. **Predicting effect of physical factors on tibial motion using artificial neural networks**
SARI M., Cetiner B.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.6, pp.9743-9746, 2009 (Journal Indexed in SCI)
- XL. **A sixth-order compact finite difference scheme to the numerical solutions of Burgers' equation**
SARI M., Gurarslan G.
APPLIED MATHEMATICS AND COMPUTATION, vol.208, no.2, pp.475-483, 2009 (Journal Indexed in SCI)
- XLI. **Numerical Solutions of the Generalized Burgers-Huxley Equation by a Differential Quadrature Method**
SARI M., Guerarslan G.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2009 (Journal Indexed in SCI)
- XLII. **Solution of the Porous Media Equation by a Compact Finite Difference Method**
SARI M.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2009 (Journal Indexed in SCI)
- XLIII. **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, no.3, pp.465-475, 2009 (Journal Indexed in SCI)
- XLIV. **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, no.3, pp.335-339, 2008 (Journal Indexed in SCI)
- XLV. **Relationship between physical factors and tibial motion in healthy subjects: 2D and 3D analyses**
Sari M.
ADVANCES IN THERAPY, vol.24, no.4, pp.772-783, 2007 (Journal Indexed in SCI)
- XLVI. **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)

Articles Published in Other Journals

- I. **A Padé–Legendre Reconstruction Approach in Capturing Shock Behaviour**
Tunç H., Sarı M., Mussa S. H.
AZERBAIJAN JOURNAL OF MATHEMATICS, vol.12, no.2, pp.45-60, 2022 (Peer-Reviewed Journal)
- II. **Medical Model Estimation with Particle Swarm Optimization**
Sarı M., Ahmad A. A. , Uslu H.
Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics, vol.70, no.1, pp.468-482, 2021 (Journal Indexed in ESCI)
- III. **A Stabilized Discontinuous Galerkin Method for the Nonlinear Advection-Diffusion Processes**
Tunç H., Sarı M.
Proceedings of the Institute of Mathematics and Mechanics, vol.47, no.1, pp.24-45, 2021 (Journal Indexed in ESCI)
- IV. **Behaviour of the first-order q-difference equation**
Belaghi M. J. , Sarı M.
An International Journal of Optimization and Control: Theories & Applications, vol.11, no.1, pp.68-74, 2021 (Journal Indexed in ESCI)
- V. **Advection-Diffusion Process through A Difference Scheme-Based Monte Carlo Simulation**
Ahmad A. A. , Sarı M., Uslu H.
International Journal of Agricultural and Statistical Sciences, vol.16, pp.2027-2035, 2020 (Journal Indexed in ESCI)
- VI. **Qualitative behavior of stiff ODEs through a stochastic approach**
Uslu H., Sarı M., Coşgun T.
An International Journal of Optimization and Control: Theories Applications (IJOCTA), vol.10, no.2, pp.181-187, 2020 (Journal Indexed in ESCI)
- VII. **Prediction of Demographical Characteristics using K-Means Algorithms**
Sarı M., Tuna C., Demir İ.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.38, no.2, pp.1051-1059, 2020 (Peer-Reviewed Journal)
- VIII. **Monte Carlo based stochastic approach for the first order nonlinear ODE systems**
Uslu H., Sarı M.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.26, no.1, pp.133-139, 2020 (Journal Indexed in ESCI)
- IX. **PARAMETER ESTIMATION TO AN ANEMIA MODEL USING THE PARTICLE SWARM OPTIMIZATION**
Ahmad A. A. , Sarı M.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.37, no.4, pp.1331-1343, 2019 (Journal Indexed in ESCI)
- X. **Anemia Modelling Using the Multiple Regression Analysis**
Sarı M., Ahmad A. A.
INTERNATIONAL JOURNAL OF ANALYSIS AND APPLICATIONS, vol.17, pp.838-849, 2019 (Journal Indexed in ESCI)
- XI. **Risk Assessment with Decision Tree in Professional Liability Insurance: In Accounting**
Sarı M., Gülbandılar E., Dalkılıç N.
Journal of Artificial Intelligence, vol.12, pp.18-23, 2019 (Refereed Journals of Other Institutions)
- XII. **A B-Spline-SSPRK54 Method for Advection-Diffusion Processes**
Ali Tahir S., Sarı M.
BULLETIN OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.1, pp.1-10, 2019 (Journal Indexed in ESCI)
- XIII. **An Efficient Local Transform Method for Initial Value Problems**
Tunc H., Sarı M.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.37, pp.163-174, 2019 (Peer-Reviewed Journal)
- XIV. **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, no.2, pp.179-186, 2019 (Peer-Reviewed Journal)

- XV. **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, no.2, pp.295-310, 2019 (Peer-Reviewed Journal)
- XVI. **A decision support system for fall risk through biomechanical characteristics: A striking application**
Gülbandılar E., Sarı M., Cımbız A.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.18, pp.486-494, 2018 (Refereed Journals of Other Institutions)
- XVII. **DESIGNING A RESPONSE APPROACH IN CHAOTIC SYSTEMS**
Tahir S. A. , Bouhamıdı A., Sarı M.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.36, no.2, pp.441-457, 2018 (Journal Indexed in ESCI)
- XVIII. **Finite element based hybrid techniques for advection-diffusion-reaction processes**
Sarı M., Tunc H.
An International Journal of Optimization and Control: Theories Applications (IJOCTA), vol.8, pp.127, 2018 (Journal Indexed in ESCI)
- XIX. **A hybrid approach for regularized long wave-Burgers equation**
Zeytinoglu A., Sarı M., P.Allahverdiev B.
AN INTERNATIONAL JOURNAL OF OPTİMİZATIÖN AND CONTROL: THEORİES & APPLİCATIÖNS (IJOCTA), vol.8, no.1, pp.8-16, 2018 (Journal Indexed in ESCI)
- XX. **Generalized synchronization of identical and nonidentical chaotic dynamical systems via master approaches**
Tahir S. A. , Sarı M., Bouhamıdı A.
An International Journal of Optimization and Control: Theories Applications (IJOCTA), vol.7, pp.248-254, 2017 (Journal Indexed in ESCI)
- XXI. **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, no.3, pp.369-386, 2017 (Journal Indexed in ESCI)
- XXII. **Prediction of Low Back Pain Using a Fuzzy Logic Algorithm**
EYYUP G., SARI M., CIMBIZ A.
American Journal of Biomedical Science and Engineering, vol.1, pp.58-62, 2015 (Refereed Journals of Other Institutions)
- XXIII. **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)
- XXIV. **Effects of Various Economic Factors on Turkish Imports**
Sari A., Sarı M., Popescu C.
Economic Insights-Trends and Challenges, vol.3, no.66, pp.1-9, 2014 (Refereed Journals of Other Institutions)
- XXV. **Analysis of skin resistance level on lumbar paravertebral area in low back pain patients**
CIMBIZ A., SARI M., GÜLBANDILAR E.
JOURNAL OF QAFQAZ UNIVERSITY, vol.2, pp.139-145, 2014 (Refereed Journals of Other Institutions)
- XXVI. **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)
- XXVII. **Approximate solutions of linear and non-linear diffusion equations by using Daftardar-Gejji-Jafari's method**
Sari M., Günay A., Gürarşlan G.
International Journal of Mathematical Modelling and Numerical Optimisation, vol.2, pp.376-386, 2011 (Refereed

- Journals of Other Institutions)
- XXVIII. **Differential quadrature solutions of the generalized Burgers–Fisher equation with a strong stability preserving high-order time integration**
Sarı M.
MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, vol.16, no.2, pp.477-486, 2011 (Journal Indexed in ESCI)
- XXIX. **Effects of human and external factors on traffic accidents**
SARI M., MUTLU Ö., ZEYTİNOĞLU A.
Petroleum-Gas University of Ploiesti Bulletin (Mathematics-Informatics-Physics Series), pp.9-17, 2009 (Refereed Journals of Other Institutions)
- XXX. **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)
- XXXI. **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, no.5, pp.751-757, 2006 (Refereed Journals of Other Institutions)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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 (Peer-Reviewed Journal)
- XXXV. **The time domain boundary element method for scalar wave problems**
SARI M.
Pamukkale University Journal of Engineering Sciences, vol.9, no.1, pp.129-136, 2003 (Other Refereed National Journals)
- XXXVI. **Acoustic wave modelling using two different numerical methods**
SARI M., Demir I.
Pamukkale University Journal of Engineering Sciences, vol.8, no.2, pp.211-217, 2002 (Other Refereed National Journals)

Books & Book Chapters

- I. **A Medical Modelling Using Multiple Linear Regression**
Adham Ahmad A., Sarı M., Coşgun T.
in: Mathematical Modelling and Optimization of Engineering Problems, J. A. Tenreiro Machado, Necati Özdemir, Dumitru Baleanu, Editor, Springer, London/Berlin , London, pp.71-87, 2020
- II. **A New Approach for the Solution of the Generalized Abel Integral Equation**
Coşgun T., Sarı M., Uslu H.
in: Numerical Solutions of Realistic Nonlinear Phenomena, Machado J., Özdemir N., Baleanu D., Editor, Springer, London/Berlin , Zug, pp.145-151, 2020
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- XXI. **Comparative Algorithms for the Black-Scholes Option Pricing Model**
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- XLIV. **Artificial Intelligence Modelling and Rehabilitation**
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- L. **Effects of Intermediate Goods, Capital Goods and Consumer Goods on Export and Import of Turkey**
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- LI. **The Effects of Monetary Policy Shocks on Macroeconomic Variables in Turkey and Romania**
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- LII. **2D Wave Propagation Through Layered Media using the Boundary Element Method**
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- LIII. **Yapay zeka modelleri ve rehabilitasyondaki yeri**
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