

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 Mathemeatics, 2018 - Continues

Associate Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 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

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

Erasmus Coordinator, Yildiz Technical University, 2019 - 2020

Farabi Coordinator, Yildiz Technical University, 2019 - 2020

Assistant Coordinator, Yildiz Technical University, 2018 - 2019

Erasmus Coordinator, Yildiz Technical University, Faculty of Arts & Science, Department of Mathematics, 2015 - 2019
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, 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., 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., Analysis of Time Dependent Optimal Control Problems Through Monte Carlo Methods, Doctorate, H.USLU(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 Algortihm, 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., Numerical Behaviour of Advection-Diffusion Equation, Postgraduate, L.J.M.(Student), 2016
SARI M., Burgers Denklemine Petrov-Glaerkin Sonlu Eleman Çözümü, Postgraduate, M.Bayraktar(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

- I. **A spatial local method for solving 2D and 3D advection-diffusion equations**
Tunc H., SARI M.
Engineering Computations (Swansea, Wales), vol.40, no.9-10, pp.2068-2089, 2023 (SCI-Expanded)
- II. **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, vol.25, no.1, pp.89-97, 2023 (SCI-Expanded)

- 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, vol.33, no.8, 2022 (SCI-Expanded)
- IV. **An implicit-explicit local method for parabolic partial differential equations**
Tunc H., SARI M.
ENGINEERING COMPUTATIONS, vol.39, no.3, pp.1020-1037, 2022 (SCI-Expanded)
- V. **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 (SCI-Expanded)
- 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., ÖZYİĞİT İ. İ.
APPLIED ARTIFICIAL INTELLIGENCE, vol.36, no.1, 2022 (SCI-Expanded)
- VII. **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 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **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 (SCI-Expanded)
- XI. **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 (SCI-Expanded)
- XII. **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 (SCI-Expanded)
- XIII. **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 (SCI-Expanded)
- XIV. **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 (SCI-Expanded)
- XV. **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 (SCI-Expanded)
- XVI. **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 (SCI-Expanded)
- XVII. **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

(SCI-Expanded)

- 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 (SCI-Expanded)
- XIX. **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 (SCI-Expanded)
- XX. **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 (SCI-Expanded)
- XXI. **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 (SCI-Expanded)
- 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 (SCI-Expanded)
- XXIII. **Prediction of Pathological Subjects Using Genetic Algorithms**
SARI M., TUNA C.
COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, 2018 (SCI-Expanded)
- XXIV. **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 (SCI-Expanded)
- XXV. **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 (SCI-Expanded)
- XXVI. **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 (SCI-Expanded)
- XXVII. **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-Expanded)
- XXVIII. **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 (SCI-Expanded)
- XXIX. **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 (SCI-Expanded)
- XXX. **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 (SCI-Expanded)
- XXXI. **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 (SCI-Expanded)
- XXXII. **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 (SCI-Expanded)

XXXIII. 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 (SCI-Expanded)

XXXIV. 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 (SCI-Expanded)

XXXV. A NEURAL NETWORK BASED TRAFFIC-FLOW PREDICTION MODEL

Cetiner M., SARI M., Borat O.

MATHEMATICAL & COMPUTATIONAL APPLICATIONS, vol.15, no.2, pp.269-278, 2010 (SCI-Expanded)

XXXVI. 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 (SCI-Expanded)

XXXVII. 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 (SCI-Expanded)

XXXVIII. Tibial motion assessment using artificial neural networks

Cetiner G., SARI M.

MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, vol.15, no.1, pp.34-44, 2010 (SCI-Expanded)

XXXIX. 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 (SCI-Expanded)

XL. 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 (SCI-Expanded)

XLI. 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 (SCI-Expanded)

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

SARI M., Gurarslan G.

MATHEMATICAL PROBLEMS IN ENGINEERING, 2009 (SCI-Expanded)

XLIII. Solution of the Porous Media Equation by a Compact Finite Difference Method

SARI M.

MATHEMATICAL PROBLEMS IN ENGINEERING, 2009 (SCI-Expanded)

XLIV. 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 (SCI-Expanded)

XLV. 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 (SCI-Expanded)

XLVI. 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 (SCI-Expanded)

XLVII. 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 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Pad'e-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 (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 (Scopus)
- 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 (Scopus)
- 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 (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 (Scopus)
- 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 (ESCI)
- 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 (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 (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 (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 (Peer-Reviewed Journal)
- 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 (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 (ESCI)

- 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 (ESCI)
- 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 (Peer-Reviewed Journal)
- XVII. **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, no.2, pp.441-457, 2018 (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 (Peer-Reviewed Journal)
- XIX. **A hybrid approach for regularized long wave-Burgers equation**
Zeytinoglu A., Sarı M., P.Allahverdiev B.
AN INTERNATIONAL JOURNAL OF OPTIMIZATION AND CONTROL: THEORIES & APPLICATIONS (IJOCTA), vol.8, no.1, pp.8-16, 2018 (Scopus)
- XX. **Generalized synchronization of identical and nonidentical chaotic dynamical systems via master approaches**
Tahir S. A., Sarı M., Bouhamidi A.
An International Journal of Optimization and Control: Theories Applications (IJOCTA), vol.7, pp.248-254, 2017 (Peer-Reviewed Journal)
- 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 (ESCI)
- XXII. **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 (Peer-Reviewed Journal)
- 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 (Peer-Reviewed Journal)
- 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 (Peer-Reviewed Journal)
- XXV. **Analysis of skin resistance level on lumbar paravertebral area in low back pain patients**
CİMBİZ A., SARI M., GÜLBANDILAR E.
JOURNAL OF QAFAZ UNIVERSITY, vol.2, pp.139-145, 2014 (Peer-Reviewed Journal)
- 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 (Peer-Reviewed Journal)
- XXVII. **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, vol.2, pp.376-386, 2011 (Scopus)
- 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 (Peer-Reviewed Journal)
- 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 (Peer-Reviewed Journal)
- XXX. **Differential quadrature method for singularly perturbed two-point boundary value problems**
SARI M.
Journal of Applied Sciences, pp.1091-1096, 2008 (Peer-Reviewed Journal)
- 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 (Scopus)
- 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 (Peer-Reviewed Journal)
- XXXIII. **Wave modelling through layered media using the BEM**
SARI M., DEMİR I.
Journal of Applied Sciences, pp.1703-1711, 2006 (Scopus)
- 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 (Peer-Reviewed Journal)
- 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 (Peer-Reviewed Journal)

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
- III. **Some Difference Algorithms for Nonlinear Klein-Gordon Equations**
ZEYTİNOĞLU A., SARI M.
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