

Prof. Cemil Tunç

Personal Information

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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1990 - 1993

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1988 - 1990

Undergraduate, Ataturk University, Fen Fakültesi, Matematik, Turkey 1979 - 1982

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Other, Yabancı Dil Eğitimi, Van Yüzüncü Yıl Üniversitesi, 2016

Dissertations

Doctorate, Some stability and boundedness results for two class of certain differential equations of fourth order, Erciyes University, Fen Fakültesi, Matematik, 1993

Research Areas

Mathematics, Differential Equations, Integral Equations, Partial Differential Equations, Mathematical Logic and Foundations, Mathematics Education, Natural Sciences

Academic Titles / Tasks

Professor, Van Yüzüncü Yıl University, Fen Fakültesi, Matematik, 2005 - Continues

Associate Professor, Van Yüzüncü Yıl University, Fen Fakültesi, Matematik, 1999 - 2005

Assistant Professor, Van Yüzüncü Yıl University, Fen Fakültesi, Matematik, 1993 - 1999

Research Assistant, Van Yüzüncü Yil University, Fen Fakültesi, Matematik, 1988 - 1993

Academic and Administrative Experience

Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, 2016 - Continues
Van Yüzüncü Yil University, Rektörlük, Atama Ve Yük. Komisyon Başk., 2014 - Continues
Van Yüzüncü Yil University, Fen Ve Müh. Bil.Eti.Kurul., 2014 - Continues
Van Yüzüncü Yil University, Fen Fakültesi, 2012 - Continues
Van Yüzüncü Yil University, Rektörlük, 2012 - Continues
Van Yüzüncü Yil University, Fen Fak. Fak. Kur. Baş., 2012 - Continues
Van Yüzüncü Yil University, Fen Fakültesi, Matematik Bölümü, 2009 - Continues
Van Yüzüncü Yil University, Matematik , Uygulmalı Matematik, 2008 - Continues
Van Yüzüncü Yil University, Rektörlük Yönetim Kurulu, 2008 - Continues
Van Yüzüncü Yil University, Rektörlük, 2013 - 2017

Advising Theses

TUNÇ C., Bazı türden diferansiyel denklemlerde periyodik çözümlerin varlığı, Doctorate, S.Erdur(Student), 2018
TUNÇ C., Belirli integro diferansiyel denklemlerin niteliksel özellikleri üzerine, Doctorate, S.ABID(Student), 2017
TUNÇ C., Dördüncü mertebeden diferansiyel denklemlerde kararlılık, sınırlılık ve yakınsaklık, Postgraduate, A.AHMAD(Student), 2016
TUNÇ C., Üçüncü mertebeden diferansiyel denklemlerde kararlılık, sınırlılık ve yakınsaklık On the stability, boundedness and convergence of solutions to certain ordinary differential equations of third order, Postgraduate, K.ABDULRAHMAN(Student), 2016
TUNÇ C., Nötr ve gecikme argümanlı diferansiyel denklemlerinin çözümlerinin kararlılıkları, Doctorate, M.Gözen(Student), 2014
TUNÇ C., Bazı türden diferansiyel denklemlerin çözümlerinin global varlığı ve sınırlılığı üzerine, Doctorate, T.AYHAN(Student), 2014

Jury Memberships

Associate Professor Exam, Doçentlik Jüri Üyeliği, ODTÜ, July, 2016
Associate Professor Exam, Doçentlik Jüri Üyeliği, Süleyman Demirel Üniversitesi, July, 2016
Associate Professor Exam, Doçentlik Sınav Jüri Üyeliği, İstanbul Aydın Üniversitesi, July, 2016
Associate Professor Exam, Doçentlik Jüri Üyeliği, İstanbul Ticaret Üniv., April, 2016
Associate Professor Exam, Doçentlik Jüri Üyeliği, İstanbul Tic. Üniv., April, 2016
Associate Professor Exam, Doçentlik Jüri Üyeliği, İstanbul Ticaret Üniv., April, 2016
Associate Professor Exam, Doçentlik Sınavı, İstanbul Ticaret Üniv., April, 2016
Associate Professor Exam, Doçentlik Jüri Üyesi, Hacettepe Üniv., March, 2016
Doctorate, Doçentlik Sınav Jürisi,, Doçentlik Sınav Jürisi, January, 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On the qualitative behaviors of stochastic delay integro-differential equations of second order**
Mahmoud A. M., Tunç C.
Journal of Inequalities and Applications, vol.2024, no.1, 2024 (SCI-Expanded)
- II. **Analyzing the stability of fractal delay differential equations**
Khalili Golmankhaneh A., Tunç C.

Chaos, Solitons and Fractals, vol.188, 2024 (SCI-Expanded)

- III. **Editorial for the Special Issue of "Fractional Differential and Fractional Integro-Differential Equations: Qualitative Theory, Numerical Simulations, and Symmetry Analysis"**
Tunç C., Yao J., Benchohra M., El-Sayed A. M. A.
Symmetry, vol.16, no.9, 2024 (SCI-Expanded)
- IV. **Unique Solutions for Caputo Fractional Differential Equations with Several Delays Using Progressive Contractions**
Tunç C., Akyildiz F. T.
Mathematics, vol.12, no.18, 2024 (SCI-Expanded)
- V. **On Ulam stabilities of iterative Fredholm and Volterra integral equations with multiple time-varying delays**
Tunç O., Tunç C.
Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales - Serie A: Matemáticas, vol.118, no.3, 2024 (SCI-Expanded)
- VI. **Novel Numerical Investigations of Some Problems Based on the Darcy–Forchheimer Model and Heat Transfer**
Akyildiz F. T., Alshammari F. S., Tunç C.
Mathematics, vol.12, no.11, 2024 (SCI-Expanded)
- VII. **Bifurcation, phase plane analysis and exact soliton solutions in the nonlinear Schrodinger equation with Atangana's conformable derivative**
Alam M. N., Iqbal M., Hassan M., Fayz-Al-Asad M., Hossain M. S., Tunç C.
Chaos, Solitons and Fractals, vol.182, 2024 (SCI-Expanded)
- VIII. **On the Ulam stabilities of nonlinear integral equations and integro-differential equations**
Tunç O., Tunç C., Petruşel G., Yao J.
Mathematical Methods in the Applied Sciences, vol.47, no.6, pp.4014-4028, 2024 (SCI-Expanded)
- IX. **New Results on Ulam Stabilities of Nonlinear Integral Equations**
Tunç O., Tunç C., Yao J.
Mathematics, vol.12, no.5, 2024 (SCI-Expanded)
- X. **Precision and efficiency of an interpolation approach to weakly singular integral equations**
Bhat I. A., Mishra L. N., Mishra V. N., Tunç C., Tunç O.
International Journal of Numerical Methods for Heat and Fluid Flow, vol.34, no.3, pp.1479-1499, 2024 (SCI-Expanded)
- XI. **A stochastic hepatitis B model with media coverage and Lévy noise**
Shah S. M. A., Nie Y., Alkhazzan A., Tunç C., Din A.
Journal of Taibah University for Science, vol.18, no.1, 2024 (SCI-Expanded)
- XII. **Hyers–Ulam–Rassias stability of fractional delay differential equations with Caputo derivative**
Benzarouala C., Tunç C.
Mathematical Methods in the Applied Sciences, 2024 (SCI-Expanded)
- XIII. **Interval-based KKT framework for support vector machines and beyond**
Younus A., Rimsha R., Tunç C.
Journal of Taibah University for Science, vol.18, no.1, 2024 (SCI-Expanded)
- XIV. **Improved Stability and Instability Results for Neutral Integro-Differential Equations including Infinite Delay**
Tunç C., Akyildiz F. T.
Journal of Mathematics, vol.2024, 2024 (SCI-Expanded)
- XV. **EXISTENCE AND STABILIZATION FOR IMPULSIVE DIFFERENTIAL EQUATIONS OF SECOND ORDER WITH MULTIPLE DELAYS**
Pinelas S., Tunç O., Korkmaz E., Tunç C.
Electronic Journal of Differential Equations, vol.2024, 2024 (SCI-Expanded)
- XVI. **Analysis of efficient discretization technique for nonlinear integral equations of Hammerstein type**
Bhat I. A., Mishra L. N., Mishra V. N., Tunç C.

- International Journal of Numerical Methods for Heat and Fluid Flow, 2024 (SCI-Expanded)
- XVII. **ON THE ULAM TYPE STABILITIES OF A GENERAL ITERATIVE INTEGRO-DIFFERENTIAL EQUATION INCLUDING A VARIABLE DELAY**
Tunç O., Sahu D., Tunç C.
Journal of Nonlinear and Convex Analysis, vol.25, no.2, pp.399-417, 2024 (SCI-Expanded)
- XVIII. **A study on the solvability of fractional integral equation in a Banach algebra via Petryshyn's fixed point theorem**
Halder S., Deepmala D., Tunç C.
Journal of Taibah University for Science, vol.18, no.1, 2024 (SCI-Expanded)
- XIX. **Global Existence and Uniqueness of Solutions of Integral Equations with Multiple Variable Delays and Integro Differential Equations: Progressive Contractions**
Tunç O., Tunç C., Yao J.
Mathematics, vol.12, no.2, 2024 (SCI-Expanded)
- XX. **Asymptotic behavior of Levin-Nohel nonlinear difference system with several delays**
Mesmouli M. B., Tunç C., Hassan T. S., Zaidi H. N., Attiya A. A.
AIMS Mathematics, vol.9, no.1, pp.1831-1839, 2024 (SCI-Expanded)
- XXI. **Review of recursive and operational approaches of the Tau method with a new extension**
Shahmorad S., Talaei Y., Tunç C.
Computational and Applied Mathematics, vol.42, no.7, 2023 (SCI-Expanded)
- XXII. **On the qualitative analyses solutions of new mathematical models of integro-differential equations with infinite delay**
Tunç C., Tunç O., Wen C., Yao J.
Mathematical Methods in the Applied Sciences, vol.46, no.13, pp.14087-14103, 2023 (SCI-Expanded)
- XXIII. **On Ulam Stabilities of Delay Hammerstein Integral Equation**
Tunç O., Tunç C.
Symmetry, vol.15, no.9, 2023 (SCI-Expanded)
- XXIV. **Ulam stabilities of nonlinear iterative integro-differential equations**
Tunç O., Tunç C.
Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales - Serie A: Matemáticas, vol.117, no.3, 2023 (SCI-Expanded)
- XXV. **Classical mechanics on fractal curves**
Golmankhaneh A., Welch K., Tunç C., Gasimov Y. S.
European Physical Journal: Special Topics, vol.232, no.7, pp.991-999, 2023 (SCI-Expanded)
- XXVI. **On the stability, integrability and boundedness analysis of systems of integro-differential equations with time-delay**
Tunç C., Tunç O., Yao J.
Fixed Point Theory, vol.24, no.2, pp.753-774, 2023 (SCI-Expanded)
- XXVII. **On Existence and Continuity Results of Solution for Multi-time Scale Fractional Stochastic Differential Equation**
Alkhazzan A., Wang J., Tunç C., Ding X., Yuan Z., Nie Y.
Qualitative Theory of Dynamical Systems, vol.22, no.2, 2023 (SCI-Expanded)
- XXVIII. **Controllability of Second Order Semilinear Random Differential Equations in Fréchet Spaces**
Salim A., Mesri F., Benchohra M., Tunç C.
Mediterranean Journal of Mathematics, vol.20, no.2, 2023 (SCI-Expanded)
- XXIX. **Solution estimates to Caputo proportional fractional derivative delay integro-differential equations**
Tunç O., Tunç C.
REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FÍSICAS Y NATURALES SERIE A-MATEMÁTICAS, vol.117, no.1, 2023 (SCI-Expanded)
- XXX. **Numerical analysis of Bazykin-Berezovskaya model**
Zafar Z. U. A., Tauseef Saeed S., Rehan Qureshi M., Tunç C.
Journal of Taibah University for Science, vol.17, no.1, 2023 (SCI-Expanded)

- XXXI. **On the Enhanced New Qualitative Results of Nonlinear Integro-Differential Equations**
Tunç C., Tunç O., Yao J.
Symmetry, vol.15, no.1, 2023 (SCI-Expanded)
- XXXII. **On system of nonlinear coupled differential equations and inclusions involving Caputo-type sequential derivatives of fractional order**
Subramanian M., Manigandan M., Tunç C., Gopal T. N., Alzabut J.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.16, no.1, pp.1-23, 2022 (SCI-Expanded)
- XXXIII. **Well-posedness and regularity of some stochastic time-fractional integral equations in Hilbert space**
Arab Z., Tunç C.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.16, no.1, pp.788-798, 2022 (SCI-Expanded)
- XXXIV. **Bielecki-Ulam's Types Stability Analysis of Hammerstein and Mixed Integro-Dynamic Systems of Non-Linear Form with Instantaneous Impulses on Time Scales**
Shah S. O., Tunç C., Rizwan R., Zada A., Khan Q. U., Ullah I., Ullah I.
QUALITATIVE THEORY OF DYNAMICAL SYSTEMS, vol.21, no.4, 2022 (SCI-Expanded)
- XXXV. **On the Fundamental Analyses of Solutions to Nonlinear Integro-Differential Equations of the Second Order**
Tunç C., Tunç O.
Mathematics, vol.10, no.22, 2022 (SCI-Expanded)
- XXXVI. **Distinguishability of the descriptor systems with regular pencil**
Dastgeer Z., Younus A., Tunç C.
LINEAR ALGEBRA AND ITS APPLICATIONS, vol.652, pp.82-96, 2022 (SCI-Expanded)
- XXXVII. **Analysis and numerical simulation of tuberculosis model using different**
Zafar Z. U. A., Zaib S., Hussain M. T., Tunç C., Javed S.
CHAOS SOLITONS & FRACTALS, vol.160, 2022 (SCI-Expanded)
- XXXVIII. **On the existence of solutions of non-linear 2D Volterra integral equations in a Banach Space**
Chauhan H. V. S., Singh B., Tunç C., Tunç O.
REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, vol.116, no.3, 2022 (SCI-Expanded)
- XXXIX. **New Fundamental Results on the Continuous and Discrete Integro-Differential Equations**
Tunç O., Tunç C., Yao J., Wen C.
MATHEMATICS, vol.10, no.9, 2022 (SCI-Expanded)
- XL. **An efficient numerical simulation and mathematical modeling for the prevention of tuberculosis**
Zafar Z. U. A., Younas S., Zaib S., Tunç C.
INTERNATIONAL JOURNAL OF BIOMATHEMATICS, vol.15, no.04, 2022 (SCI-Expanded)
- XLI. **NEW RESULTS ON THE QUALITATIVE ANALYSIS OF INTEGRO-DIFFERENTIAL EQUATIONS WITH CONSTANT TIME-DELAY**
Tunç C., Tunç O.
JOURNAL OF NONLINEAR AND CONVEX ANALYSIS, vol.23, no.3, pp.435-448, 2022 (SCI-Expanded)
- XLII. **Hyers-Ulam stability on local fractal calculus and radioactive decay**
Golmankhaneh A., Tunç C., Şevli H.
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, vol.230, no.21-22, pp.3889-3894, 2021 (SCI-Expanded)
- XLIII. **Razumikhin qualitative analyses of Volterra integro-fractional delay differential equation with caputo derivatives**
Graef J. R., Tunç C., Şevli H.
COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, vol.103, 2021 (SCI-Expanded)
- XLIV. **Mathematical modeling and analysis of fractional-order brushless DC motor**
Zafar Z. U. A., Ali N., Tunç C.
ADVANCES IN DIFFERENCE EQUATIONS, vol.2021, no.1, 2021 (SCI-Expanded)
- XLV. **Delay-Dependent Stability, Integrability and Boundedness Criteria for Delay Differential Systems**
Tunç O., Tunç C., Wang Y.
AXIOMS, vol.10, no.3, 2021 (SCI-Expanded)

- XLVI. **Qualitative analysis of caputo fractional integro-differential equations with constant delays**
Bohner M., Tunç O., Tunç C.
COMPUTATIONAL & APPLIED MATHEMATICS, vol.40, no.6, 2021 (SCI-Expanded)
- XLVII. **New results and applications on the existence results for nonlinear coupled systems**
Talib I., Abdeljawad T., Alqudah M. A., Tunç C., Ameen R.
ADVANCES IN DIFFERENCE EQUATIONS, vol.2021, no.1, 2021 (SCI-Expanded)
- XLVIII. **On the stability, integrability and boundedness analyses of systems of integro-differential equations with time-delay retardation**
Tunç C., Tunç O.
REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, vol.115, no.3, 2021 (SCI-Expanded)
- XLIX. **Qualitative Analyses of Integro-Fractional Differential Equations with Caputo Derivatives and Retardations via the Lyapunov-Razumikhin Method**
Tunç O., Atan Ö., Tunç C., Yao J.
AXIOMS, vol.10, no.2, 2021 (SCI-Expanded)
- L. **Qualitative Analyses of Differential Systems with Time-Varying Delays via Lyapunov-Krasovskii Approach**
Tunç C., Tunç O., Wang Y., Yao J.
MATHEMATICS, vol.9, no.11, 2021 (SCI-Expanded)
- LI. **On the Weighted Piecewise Pseudo Almost Automorphic Solutions Mackey-Glass Model with Mixed Delays and Harvesting Term**
Amdouni M., Cherif F., Tunç C.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.45, no.2, pp.619-634, 2021 (SCI-Expanded)
- LII. **Robust stabilization of non-linear non-autonomous control systems with periodic linear approximation**
Slyn'ko V., Tunç C., Bivziuk V. O.
IMA JOURNAL OF MATHEMATICAL CONTROL AND INFORMATION, vol.38, no.1, pp.125-142, 2021 (SCI-Expanded)
- LIII. **Fractional aspects of coupled mass-spring system**
Zafar Z. U. A., Younas S., Hussain M. T., Tunç C.
CHAOS SOLITONS & FRACTALS, vol.144, 2021 (SCI-Expanded)
- LIV. **New solitary wave structures to the (2+1)-dimensional KD and KP equations with spatio-temporal dispersion**
Alam M. N., Tunç C.
JOURNAL OF KING SAUD UNIVERSITY SCIENCE, vol.32, no.8, pp.3400-3409, 2020 (SCI-Expanded)
- LV. **Constructions of the soliton solutions to the good Boussinesq equation**
Almatrafi M. B., Alharbi A. R., Tunç C.
ADVANCES IN DIFFERENCE EQUATIONS, vol.2020, no.1, 2020 (SCI-Expanded)
- LVI. **GREEN FUNCTION'S PROPERTIES AND EXISTENCE THEOREMS FOR NONLINEAR SINGULAR-DELAY-FRACTIONAL DIFFERENTIAL EQUATIONS**
Khan H., Tunç C., Khan A.
DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES S, vol.13, no.9, pp.2475-2487, 2020 (SCI-Expanded)
- LVII. **Analysis and numerical simulations of fractional order Vallis system**
Zafar Z. U. A., Ali N., Zaman G., Thounthong P., Tunç C.
ALEXANDRIA ENGINEERING JOURNAL, vol.59, no.4, pp.2591-2605, 2020 (SCI-Expanded)
- LVIII. **The new solitary wave structures for the (2**
Alam M. N., Tunç C.
ALEXANDRIA ENGINEERING JOURNAL, vol.59, no.4, pp.2221-2232, 2020 (SCI-Expanded)
- LIX. **On the structure of solutions of Volterra interval-valued integro-differential equations**
Younus A., Shaheen T., Tunç C.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 2020 (SCI-Expanded)

- LX. **STABILITY RESULTS AND EXISTENCE THEOREMS FOR NONLINEAR DELAY-FRACTIONAL DIFFERENTIAL EQUATIONS WITH $\phi(P)$ -OPERATOR**
Khan H., Tunç C., Khan A.
JOURNAL OF APPLIED ANALYSIS AND COMPUTATION, vol.10, no.2, pp.584-597, 2020 (SCI-Expanded)
- LXI. **Constructions of the optical solitons and other solitons to the conformable fractional Zakharov-Kuznetsov equation with power law nonlinearity**
Alam M. N., TUNÇ C.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.14, no.1, pp.94-100, 2020 (SCI-Expanded)
- LXII. **On stability of a class of second alpha-order fractal differential equations**
TUNÇ C., Golmankhaneh A.
AIMS MATHEMATICS, vol.5, no.3, pp.2126-2142, 2020 (SCI-Expanded)
- LXIII. **Sufficient Conditions of Interval Stability of a Class of Linear Impulsive Systems with a Delay**
Slynko V., TUNÇ C., Erdur S.
JOURNAL OF COMPUTER AND SYSTEMS SCIENCES INTERNATIONAL, vol.59, no.1, pp.8-18, 2020 (SCI-Expanded)
- LXIV. **Set-valued fixed point results with application to Fredholm-type integral inclusion**
Shoaib M., Sarwar M., Tunç C.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.14, no.1, pp.1077-1088, 2020 (SCI-Expanded)
- LXV. **Resolution of coincident factors in altering the flow dynamics of an MHD elastoviscous fluid past an unbounded upright channel**
SHAHID N., TUNÇ C.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.13, no.1, pp.1022-1034, 2019 (SCI-Expanded)
- LXVI. **On the asymptotic stability of solutions of stochastic differential delay equations of second order**
TUNÇ O., TUNÇ C.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.13, no.1, pp.875-882, 2019 (SCI-Expanded)
- LXVII. **Stochastic differential equations on fractal sets**
Golmankhaneh A., TUNÇ C.
STOCHASTICS-AN INTERNATIONAL JOURNAL OF PROBABILITY AND STOCHASTIC PROCESSES, 2019 (SCI-Expanded)
- LXVIII. **On the asymptotic analysis of bounded solutions to nonlinear differential equations of second order**
TUNÇ C., MOHAMMED S. A.
ADVANCES IN DIFFERENCE EQUATIONS, vol.2019, no.1, 2019 (SCI-Expanded)
- LXIX. **Stability of abstract linear switched impulsive differential equations**
SLYN'KO V., TUNÇ C.
AUTOMATICA, vol.107, pp.433-441, 2019 (SCI-Expanded)
- LXX. **Inequalities for n-class of functions using the Saigo fractional integral operator**
Khan H., TUNÇ C., BALEANU D., KHAN A., ALKHAZZAN A.
REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, vol.113, no.3, pp.2407-2420, 2019 (SCI-Expanded)
- LXXI. **Sumudu transform in fractal calculus**
Golmankhaneh A., TUNÇ C.
APPLIED MATHEMATICS AND COMPUTATION, vol.350, pp.386-401, 2019 (SCI-Expanded)
- LXXII. **Minkowski's inequality for the AB-fractional integral operator**
Khan H., ABDELJAWAD T., TUNÇ C., ALKHAZZAN A., KHAN A.
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2019 (SCI-Expanded)
- LXXIII. **STABILITY OF NONLINEAR VOLTERRA INTEGRO-DIFFERENTIAL EQUATIONS WITH CAPUTO FRACTIONAL DERIVATIVE AND BOUNDED DELAYS**
Hristova S., TUNÇ C.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2019 (SCI-Expanded)
- LXXIV. **New operational matrices of orthogonal Legendre polynomials and their operational**
Talib I., TUNÇ C., NOOR Z. A.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.13, no.1, pp.377-389, 2019 (SCI-Expanded)

- LXXV. **ASYMPTOTIC STABILITY OF SOLUTIONS FOR A KIND OF THIRD-ORDER STOCHASTIC DIFFERENTIAL EQUATIONS WITH DELAYS**
MAHMOUD A. M., TUNÇ C.
MISKOLC MATHEMATICAL NOTES, vol.20, no.1, pp.381-393, 2019 (SCI-Expanded)
- LXXVI. **Qualitative analysis for a variable delay system of differential equations of second order**
TUNÇ C., TUNÇ O.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.13, no.1, pp.468-477, 2019 (SCI-Expanded)
- LXXVII. **NEW RESULTS ON THE EXPONENTIAL STABILITY OF SOLUTIONS OF PERIODIC NONLINEAR NEUTRAL DIFFERENTIAL SYSTEMS**
Altun Y., TUNÇ C.
DYNAMIC SYSTEMS AND APPLICATIONS, vol.28, no.2, pp.303-316, 2019 (SCI-Expanded)
- LXXVIII. **A note on the qualitative analysis of Volterra integro-differential equations**
TUNÇ C., TUNÇ O.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.13, no.1, pp.490-496, 2019 (SCI-Expanded)
- LXXIX. **On the stability and uniform stability of retarded integro-differential equations**
TUNÇ C., MOHAMMED S. A.
ALEXANDRIA ENGINEERING JOURNAL, vol.57, no.4, pp.3501-3507, 2018 (SCI-Expanded)
- LXXX. **Instability of set differential equations**
Slyn'ko V. I., TUNÇ C.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.467, no.2, pp.935-947, 2018 (SCI-Expanded)
- LXXXI. **Sufficient Conditions for Stability of Periodic Linear Impulsive Delay Systems**
SLYN'KO V. I., TUNÇ C.
AUTOMATION AND REMOTE CONTROL, vol.79, no.11, pp.1989-2004, 2018 (SCI-Expanded)
- LXXXII. **NEW CARLSON-BELLMAN AND HARDY-LITTLEWOOD DYNAMIC INEQUALITIES**
Saker S. H., TUNÇ C., Mahmoud R. R.
MATHEMATICAL INEQUALITIES & APPLICATIONS, vol.21, no.4, pp.967-983, 2018 (SCI-Expanded)
- LXXXIII. **Asymptotic stability and boundedness criteria for nonlinear retarded Volterra integro-differential equations**
TUNÇ C.
JOURNAL OF KING SAUD UNIVERSITY SCIENCE, vol.30, no.4, pp.531-536, 2018 (SCI-Expanded)
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Supported Projects

Tunç C., Project Supported by Higher Education Institutions, Volterra integro-diferansiyel denklemlerde çözümlerin niteliksel analizi, 2019 - 2021

Tunç C., Project Supported by Higher Education Institutions, 2018 Performans Değerlendirme Projesi, 2018 - 2019

Tunç C., SLYN'KO V. I., Project Supported by Higher Education Institutions, Banach uzayında lineer impulsif (impulsive) periyodik sistemlerin karalılığı, 2017 - 2019

Tunç C., Denizler İ. H., Topal H., Project Supported by Higher Education Institutions, International Conference on Pure and Applied Mathematics (ICPAM 2018), 2018 - 2018

Tunç C., Project Supported by Higher Education Institutions, 2015-Performans Değerlendirme Projesi, 2016 - 2017

Tunç C., Topal H., Denizler İ. H., Project Supported by Higher Education Institutions, Caucasian Mathematics Conference CMC (II), 2016 - 2017

Tunç C., Project Supported by Higher Education Institutions, On qualitative properties in nonlinear Volterra integro differential equations with delay, 2016 - 2016

TUNÇ C., Other International Funding Programs, Zaman Skalasında Hardy ve Littlewood Tipi Esitsizlikler, 2016 - 2016

Tunç C., Project Supported by Higher Education Institutions, International Conference on Pure and Applied Mathematics, 2015 - 2016

Tunç C., Project Supported by Higher Education Institutions, Bazı fonksiyonel diferansiyel denklemler için yapmacık (pseudo) hemen hemen (almost) periyodik çözümlerin incelenmesi, 2014 - 2016

Demirkuş N., Tunç C., YAŞARHAN M., ELMAS R., Project Supported by Higher Education Institutions, Evsel artık ve atık malzemelerin fen ve matematik öğretiminde kullanımı, 2003 - 2010

Activities in Scientific Journals

Journal of Taibah University for Science, Editor, 2013 - Continues

The Algerian Journal of Mathematics, Editor, 2017 - 2018

The Open Electrical & Electronic Engineering Journal, Editor, 2017 - 2018

Abstract and Applied Analysis, Special Issue Editor, 2016 - 2018
Journal of Natural Sciences and Mathematics & Physics, Editor, 2015 - 2018
Journal of Basic & Applied Sciences , Editor, 2014 - 2018
Journal of Mathematical Analysis, Editor, 2014 - 2018
Journal of Computer Science and Applied Mathematics, Editor, 2014 - 2018
Journal of Analysis & Number Theory, Editor, 2014 - 2018
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi , Editor, 2014 - 2018
Yüzüncü Yıl Üniversitesi Eğitim Fakültesi Dergisi , Editor, 2014 - 2018
Journal of Interpolation & Approximation in Scientific, Editor, 2013 - 2018
Palestine Journal of Mathematics, Editor, 2013 - 2018
Annual Review of Chaos Theory and Bifurcations and Dynamical Systems, Editor, 2012 - 2018
Electronic Journal of Mathematical Analysis and Applications, Editor, 2012 - 2018
Journal of the Egyptian Mathematical Society, Editor, 2012 - 2018
Advances in Applied Mathematical Analysis, Editor, 2010 - 2018
Applications and Applied Mathematics, Editor, 2010 - 2018
Applied Mathematics & Information Sciences, Editor, 2010 - 2018
Journal of Mathematics and Applications, Editor, 2009 - 2018

Memberships / Tasks in Scientific Organizations

RGMA, Member, 2008 - 2018
Zentralblatt MATH, Member, 2006 - 2018

Scientific Refereeing

Advances in Difference Equations , SCI Journal, December 2018
Mathematical Problems in Engineering, SCI Journal, December 2018
Arab Journal of Basic and Applied Sciences , Other Indexed Journal, December 2018
Discrete Dynamics in Nature and Society, SCI Journal, December 2018
Discrete Dynamics in Nature and Society, SCI Journal, December 2018
Journal of Taibah University for Science, SCI Journal, December 2018
Advances in Difference Equations , SCI Journal, December 2018
Physica A, SCI Journal, December 2018
Arab Journal of Basic and Applied Sciences , Other Indexed Journal, November 2018
Advances in Difference Equations , SCI Journal, November 2018
Discrete Dynamics in Nature and Society, SCI Journal, November 2018
Journal of Taibah University for Science, SCI Journal, November 2018
Mathematical Problems in Engineering, SCI Journal, November 2018
Advances in Difference Equations , SCI Journal, November 2018
Journal of Taibah University for Science, SCI Journal, November 2018
Mathematical Problems in Engineering, SCI Journal, November 2018
Discrete Dynamics in Nature and Society, SCI Journal, November 2018
Arab Journal of Basic and Applied Sciences , Other journals, October 2018
Arab Journal of Basic and Applied Sciences , Other Indexed Journal, October 2018
Journal of Taibah University for Science, SCI Journal, October 2018
Journal of Taibah University for Science, SCI Journal, October 2018
Journal of Taibah University for Science, SCI Journal, October 2018
Advances in Difference Equations , SCI Journal, October 2018
Physica A, SCI Journal, October 2018

Discrete Dynamics in Nature and Society, SCI Journal, October 2018
Journal of Taibah University for Science, SCI Journal, September 2018
Advances in Difference Equations , SCI Journal, September 2018
Arab Journal of Basic and Applied Sciences , Other Indexed Journal, September 2018
Mathematical Problems in Engineering, SCI Journal, September 2018
Journal of Taibah University for Science, SCI Journal, September 2018
Journal of Taibah University for Science, SCI Journal, September 2018
Journal of Taibah University for Science, SCI Journal, September 2018
Journal of Taibah University for Science, SCI Journal, August 2018
Discrete Dynamics in Nature and Society, SCI Journal, August 2018
Journal of Taibah University for Science, SCI Journal, August 2018
Arab Journal of Basic and Applied Sciences , Other Indexed Journal, July 2018
Arab Journal of Basic and Applied Sciences , Other Indexed Journal, July 2018
Journal of Taibah University for Science, SCI Journal, July 2018
Journal of Taibah University for Science, SCI Journal, July 2018
Journal of Taibah University for Science, SCI Journal, July 2018
Journal of Taibah University for Science, SCI Journal, July 2018
Journal of Taibah University for Science, SCI Journal, July 2018
Journal of Taibah University for Science, SCI Journal, June 2018
Journal of Taibah University for Science, SCI Journal, June 2018
Discrete Dynamics in Nature and Society, SCI Journal, June 2018
Journal of Taibah University for Science, SCI Journal, June 2018
Discrete Dynamics in Nature and Society, SCI Journal, May 2018
Journal of Taibah University for Science, SCI Journal, May 2018
Journal of Taibah University for Science, SCI Journal, May 2018
Mathematical Problems in Engineering, SCI Journal, May 2018
Discrete Dynamics in Nature and Society, SCI Journal, May 2018
Discrete Dynamics in Nature and Society, SCI Journal, May 2018
Journal of Taibah University for Science, SCI Journal, May 2018
Journal of Taibah University for Science, SCI Journal, April 2018
Mathematical Problems in Engineering, SCI Journal, April 2018
Journal of Taibah University for Science, SCI Journal, April 2018
Discrete Dynamics in Nature and Society, SCI Journal, April 2018
Discrete Dynamics in Nature and Society, SCI Journal, April 2018
Journal of Taibah University for Science, SCI Journal, April 2018
Advances in Difference Equations , SCI Journal, April 2018
Journal of Taibah University for Science, SCI Journal, March 2018
Mathematical Problems in Engineering, SCI Journal, March 2018
Journal of Taibah University for Science, SCI Journal, March 2018
Journal of Taibah University for Science, SCI Journal, March 2018
Mathematical Problems in Engineering, SCI Journal, February 2018
Journal of Taibah University for Science, SCI Journal, February 2018
Journal of Taibah University for Science, SCI Journal, January 2018
Journal of Taibah University for Science, Other Indexed Journal, December 2017
Honam Mathematical Journal, Other Indexed Journal, December 2017
Journal of Taibah University for Science, Other Indexed Journal, December 2017
Mathematical Problems in Engineering, SCI Journal, December 2017
Journal of Taibah University for Science, Other Indexed Journal, December 2017
Journal of Mathematics, Other Indexed Journal, November 2017
Advances Dynamical Systems and Applications, SCI Journal, November 2017
zbMATH Reviewer, Other Indexed Journal, November 2017

Mathematical Problems in Engineering, SCI Journal, November 2017
Malaysian Journal of Mathematical Sciences, Other Indexed Journal, November 2017
Discrete Dynamics in Nature and Society, SCI Journal, November 2017
Mathematical Problems in Engineering, SCI Journal, November 2017
Applied and Computational Mathematics, Other Indexed Journal, November 2017
Honam Mathematical Journal, Other Indexed Journal, November 2017
Advances Dynamical Systems and Applications, Other Indexed Journal, November 2017
Abstract and Applied Analysis, Other Indexed Journal, November 2017
Mathematical Problems in Engineering, SCI Journal, November 2017
zbMATH Reviewer, Other Indexed Journal, November 2017
Applied and Computational Mathematics, SCI Journal, November 2017
Afrika Matematika, Other Indexed Journal, October 2017
Discrete Dynamics in Nature and Society, SCI Journal, October 2017
Journal of Taibah University for Science, Other Indexed Journal, October 2017
Abstract and Applied Analysis, Other Indexed Journal, October 2017
Journal of Taibah University for Science, Other Indexed Journal, October 2017
Analele Universitii din Oradea. Fascicola Matematic, Other Indexed Journal, October 2017
zbMATH Reviewer, Other Indexed Journal, October 2017
International Journal of Applied and Computational Mathematics, Other Indexed Journal, October 2017
Applied Mathematics and Computation, SCI Journal, October 2017
Mathematical Problems in Engineering, SCI Journal, October 2017
Journal of Natural Sciences and Mathematics, Other Indexed Journal, September 2017
Journal of the Association of Arab Universities for Basic and Applied Sciences, Other Indexed Journal, September 2017
Journal of Taibah University for Science, Other Indexed Journal, September 2017
Mathematical Problems in Engineering, SCI Journal, September 2017
Mathematical Problems in Engineering, SCI Journal, September 2017
The Journal of the Franklin Institute, SCI Journal, September 2017
APPLICATIONS AND APPLIED MATHEMATICS, Other Indexed Journal, September 2017
Journal of Taibah University for Science, Other Indexed Journal, September 2017
Mathematical Problems in Engineering, SCI Journal, August 2017
Journal of Taibah University for Science, Other Indexed Journal, August 2017
Journal of Applied Mathematics, Other Indexed Journal, August 2017
Discrete Dynamics in Nature and Society, SCI Journal, August 2017
Afrika Matematika, Other Indexed Journal, August 2017
Applied Mathematics and Computation, SCI Journal, August 2017
Journal of Taibah University for Science, Other Indexed Journal, July 2017
Mathematica Bohemica, Other journals, June 2017
zbMATH Reviewer, Other Indexed Journal, June 2017
Journal of the Egyptian Mathematical Society, Other Indexed Journal, June 2017
Electronic Journal of Mathematical Analysis and Applications, Other Indexed Journal, June 2017
Journal of the Egyptian Mathematical Society, Other journals, May 2017
Electronic Journal of Differential Equations, SCI Journal, May 2017
Journal of Interpolation and Approximation in Scientific Computing, Other Indexed Journal, May 2017
Nonlinear Dynamics, SCI Journal, May 2017
Abstract and Applied Analysis, Other Indexed Journal, May 2017
Journal of Taibah University for Science, Other Indexed Journal, May 2017
Nonlinear Dynamics, Other Indexed Journal, May 2017
zbMATH Reviewer, Other Indexed Journal, May 2017
Journal of Inequalities and Applications, SCI Journal, May 2017
Discontinuity, Nonlinearity, and Complexity, Other Indexed Journal, April 2017
Discontinuity, Nonlinearity, and Complexity, Other Indexed Journal, April 2017

Journal of the Egyptian Mathematical Society, Other Indexed Journal, April 2017
Journal of the Egyptian Mathematical Society, Other Indexed Journal, April 2017
Journal of Taibah University for Science, Other Indexed Journal, April 2017
Discrete Dynamics in Nature and Society, SCI Journal, April 2017
Journal of the Association of Arab Universities for Basic and Applied Sciences, Other Indexed Journal, April 2017
Dyn. Contin. Discrete Impuls. Syst. Ser. A Math. Anal., Other Indexed Journal, April 2017
International Journal of Applied and Computational Mathematics, Other Indexed Journal, April 2017
zbMATH Reviewer, Other Indexed Journal, March 2017
Quaestiones Mathematicae, SCI Journal, March 2017
Discrete Dynamics in Nature and Society, SCI Journal, March 2017
Nonlinear Dynamics, SCI Journal, February 2017
Journal of Applied Mathematics, Other Indexed Journal, February 2017
zbMATH Reviewer, Other Indexed Journal, February 2017
Discrete Dynamics in Nature and Society, SCI Journal, December 2016
Journal of Natural Sciences and Mathematics & Physics, Other Indexed Journal, December 2016
Kara Elmas Fen ve Mühendislik Dergisi, SCI Journal, November 2016
Applied Mathematics and Computations, SCI Journal, October 2016
Int. Journal of Differential Equations, SCI Journal, October 2016
ISATR, SCI Journal, September 2016
Numerical Investigation of Flow Characteristics and Reduction of Fluid Forces for Bluff Bodies inside the Channel, Other journals, August 2016
Acta Univ. Sapientiae Math., Other Indexed Journal, July 2016
Analytical and Numerical Investigation of Two Dimensional Flows with Heat Transfer, Other journals, July 2016
Proyecciones, Other Indexed Journal, June 2016
Quaestiones Math., SCI Journal, June 2016
Boletine de la Sociedad Math. Mexicana, Other Indexed Journal, June 2016
Mediterranean Math. Journal, SCI Journal, May 2016
Neural Computing and Applications, SCI Journal, May 2016
International Journal of Differential Equations, Other Indexed Journal, May 2016
Boundary Value Problems, SCI Journal, May 2016
Math. Methods. Appl. Sci., SCI Journal, May 2016
MULTISTEP METHODS FOR SOLVING FIRST AND HIGHER ORDER DELAY DIFFERENTIAL EQUATION , Other journals, April 2016
Monatsh. Math, SCI Journal, April 2016
Acta Up, Mathematica, Other Indexed Journal, February 2016
JIASC Mathematical Journal, Other Indexed Journal, January 2016
DIAGONAL r - POINT VARIABLE STEP VARIABLE ORDER BLOCK METHOD FOR SECOND ORDER ORDINARY DIFFERENTIAL EQUATIONS, Other journals, January 2016
Facta MI, Other Indexed Journal, January 2016

Scientific Consultations

TÜBİTAK, Project Consultancy, Van Yüzüncü Yil University, Fen Fakültesi, Matematik, Turkey, 2017 - 2018
TÜBİTAK, Project Consultancy, Van Yüzüncü Yil University, Fen Fakültesi, Matematik, Turkey, 2017 - 2018

Metrics

Publication: 420

Citation (WoS): 945

Citation (Scopus): 2813

H-Index (WoS): 14

H-Index (Scopus): 29

Congress and Symposium Activities

International Workshop on Nonlinear Analysis and Applications, Invited Speaker, Abbottabad, Pakistan, 2018

Workshop "Delay Differential Equations: Theory, Applications and New Trends", Invited Speaker, Al Ain, United Arab Emirates, 2018

Workshop "Delay Differential Equations: Theory, Applications and New Trends", Invited Speaker, Al Ain, United Arab Emirates, 2018

Workshop "Delay Differential Equations: Theory, Applications and New Trends", Invited Speaker, Al Ain, United Arab Emirates, 2018

Workshop "Delay Differential Equations: Theory, Applications and New Trends", Invited Speaker, Al Ain, United Arab Emirates, 2018

International Conference on Pure and Applied Mathematics-ICPAM-VAN 2018, Attendee, Van, Turkey, 2018

INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 2018, Invited Speaker, İstanbul, Turkey, 2018

The first international conference on boundary value problems and applications, Invited Speaker, Tabriz, Iran, 2018

International Conference on Mathematics and Mathematics Education, Invited Speaker, Ordu, Turkey, 2018

On the stability of solutions of first order neutral differential equations by fixed point method, Attendee, Van, Turkey, 2017

ICNPAA WORLD CONGRESS 11th International Conference on Mathematical Problems in Engineering, Aerospace and Science, Attendee, La Rochelle, France, 2016

2nd INTERNATIONAL CONFERENCE ON ANALYSIS AND ITS APPLICATIONS (ICAA 2016), Attendee, Kirşehir, Turkey, 2016

2nd International Conference on Pure and Applied Science-ICPAS 2016, Attendee, Turkey, 2016

2nd International Conference on Pure and Applied Science-ICPAS 2016, Attendee, Turkey, 2016

2nd International Conference on Pure and Applied Science-ICPAS 2016, Attendee, Turkey, 2016

2nd International Conference on Pure and Applied Science-ICPAS 2016, Attendee, İstanbul, Turkey, 2016

2nd International Conference on Pure and Applied Science-ICPAS 2016, Attendee, Turkey, 2016

2nd International Conference on Pure and Applied Science-ICPAS 2016, Attendee, Turkey, 2016

Azerbaijan-Turkey-Ukrainian International Conference Mathematical Analysis, Differential Equations and Their Applications, Attendee, Turkey, 2016

International Conference on Advancement in Mathematical Sciences, Attendee, Antalya, Turkey, 2015

International Conference on Advancement in Mathematical Sciences, Attendee, Antalya, Turkey, 2015

International Conference on Advancement in Mathematical Sciences, Attendee, Turkey, 2015

Azerbaijan-Turkey-Ukrainian International Conference Mathematical Analysis, Differential Equations and Their Applications, Attendee, Baku, Azerbaijan, 2015

International Conference on Pure and Applied Mathematics (ICPAM 2015), Attendee, Turkey, 2015

International Conference on Pure and Applied Mathematics (ICPAM 2015), Attendee, Van, Turkey, 2015

International Conference on Pure and Applied Mathematics (ICPAM 2015), Attendee, Van, Turkey, 2015

International Conference on Pure and Applied Mathematics (ICPAM 2015), Attendee, Van, Turkey, 2015

International Conference on Pure and Applied Mathematics (ICPAM 2015), Attendee, Van, Turkey, 2015

International Conference on Pure and Applied Mathematics (ICPAM 2015), Attendee, Van, Turkey, 2015

ICPAM2015, Moderator, Van, Turkey, 2015

International Conference on Applied Analysis and Mathematical Modeling, Attendee, İstanbul, Turkey, 2015

The Second International Conference on Mathematics and Statistics, Attendee, Dubayy, United Arab Emirates, 2015

The Second International Conference on Mathematics and Statistics, Attendee, Dubayy, United Arab Emirates, 2015

4th International Conference on Mathematics & Information Science (ICMIS 2015, Invited Speaker, Arish, Egypt, 2015

International Conference on Recent Advances in Applied Mathematics, Invited Speaker, Lahore, Pakistan, 2015

Non Academic Experience

MILLI EGITIM BAKANLIGI