

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, Vab 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 Yıl 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, Fen Fak. Fak. Kur. Baş., 2012 - Continues
Van Yüzüncü Yil University, Rektörlük, 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., Nötral 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

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

- I. **Delay-Dependent Stability, Integrability and Boundedness Criteria for Delay Differential Systems**
Tunç O., Tunç C., Wang Y.
AXIOMS, vol.10, no.3, 2021 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)

- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **Fractional aspects of coupled mass-spring system**
 Zafar Z. U. A. , Younas S., Hussain M. T. , Tunç C.
 CHAOS SOLITONS & FRACTALS, vol.144, 2021 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)
- X. **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, 2021 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **The new solitary wave structures for the (2**
 Alam M. N. , Tunç C.
 ALEXANDRIA ENGINEERING JOURNAL, vol.59, no.4, pp.2221-2232, 2020 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **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 (Journal Indexed in SCI)
- XVII. **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 (Journal Indexed in SCI)
- XVIII. **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 (Journal Indexed in SCI)
- XIX. **On stability of a class of second alpha-order fractal differential equations**
 TUNÇ C., Golmankhaneh A. K.
 AIMS MATHEMATICS, vol.5, no.3, pp.2126-2142, 2020 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- XXI. **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 (Journal Indexed in SCI)
- XXII. **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 (Journal Indexed in SCI)
- XXIII. **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 (Journal Indexed in SCI)
- XXIV. **Stochastic differential equations on fractal sets**
 Golmankhaneh A. K. , TUNÇ C.
 STOCHASTICS-AN INTERNATIONAL JOURNAL OF PROBABILITY AND STOCHASTIC PROCESSES, 2019 (Journal Indexed in SCI)
- XXV. **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 (Journal Indexed in SCI)
- XXVI. **Stability of abstract linear switched impulsive differential equations**
 SLYN'KO V., TUNÇ C.
 AUTOMATICA, vol.107, pp.433-441, 2019 (Journal Indexed in SCI)
- XXVII. **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 (Journal Indexed in SCI)
- XXVIII. **Sumudu transform in fractal calculus**
 Golmankhaneh A. K. , TUNÇ C.
 APPLIED MATHEMATICS AND COMPUTATION, vol.350, pp.386-401, 2019 (Journal Indexed in SCI)
- XXIX. **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 (Journal Indexed in SCI)
- XXX. **STABILITY OF NONLINEAR VOLTERRA INTEGRO-DIFFERENTIAL EQUATIONS WITH CAPUTO FRACTIONAL DERIVATIVE AND BOUNDED DELAYS**
 Hristova S., TUNÇ C.
 ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2019 (Journal Indexed in SCI)
- XXXI. **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 (Journal Indexed in SCI)

- XXXII. **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 (Journal Indexed in SCI)
- XXXIII. **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 (Journal Indexed in SCI)
- XXXIV. **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 (Journal Indexed in SCI)
- XXXV. **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 (Journal Indexed in SCI)
- XXXVI. **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 (Journal Indexed in SCI)
- XXXVII. **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 (Journal Indexed in SCI)
- XXXVIII. **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 (Journal Indexed in SCI)
- XXXIX. **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 (Journal Indexed in SCI)
- XL. **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 (Journal Indexed in SCI)
- XLI. **EXISTENCE THEOREMS AND HYERS-ULAM STABILITY FOR A CLASS OF HYBRID FRACTIONAL DIFFERENTIAL EQUATIONS WITH P-LAPLACIAN OPERATOR**
Khan H., TUNÇ C., CHEN W., KHAN A.
JOURNAL OF APPLIED ANALYSIS AND COMPUTATION, vol.8, no.4, pp.1211-1226, 2018 (Journal Indexed in SCI)
- XLII. **Fixed point theorems in b-metric spaces and their applications to non-linear fractional differential and integral equations**
ZADA M. B. , SARWAR M., TUNÇ C.
JOURNAL OF FIXED POINT THEORY AND APPLICATIONS, vol.20, no.1, 2018 (Journal Indexed in SCI)
- XLIII. **On behaviours of functional Volterra integro-differential equations with multiple time lags**
TUNÇ C., TUNÇ O.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.12, no.2, pp.173-179, 2018 (Journal Indexed in SCI)
- XLIV. **A generalization of Minkowski's inequality by Hahn integral operator**
Khan H., TUNÇ C., ALKHAZAN A., AMEEN B., KHAN A.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.12, no.5, pp.506-513, 2018 (Journal Indexed in SCI)
- XLV. **Recent Trends in Dynamical Systems on Time Scales**
Eid G., Neugebauer J., Raffoul Y. N. , TUNÇ C.
DISCRETE DYNAMICS IN NATURE AND SOCIETY, 2018 (Journal Indexed in SCI)
- XLVI. **GLOBAL ASYMPTOTIC STABILITY OF NONLINEAR PERIODIC IMPULSIVE EQUATIONS**
SLYN'KO V. I. , TUNÇ C.
MISKOLC MATHEMATICAL NOTES, vol.19, no.1, pp.595-610, 2018 (Journal Indexed in SCI)
- XLVII. **New Qualitative Results for Solutions of Functional Differential Equations of Second Order**

- TUNÇ C., Erdur S.
DISCRETE DYNAMICS IN NATURE AND SOCIETY, 2018 (Journal Indexed in SCI)
- XLVIII. **Existence theory and stability analysis to a system of boundary value problem**
SHAH K., TUNÇ C.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.11, no.6, pp.1330-1342, 2017 (Journal Indexed in SCI)
- XLIX. **On the weighted pseudo almost periodic solutions of nonlinear functional Duffing equation**
Yazgan R., TUNÇ C.
Applied Mathematics and Information Sciences, vol.11, no.6, pp.1609-1614, 2017 (Journal Indexed in SCI Expanded)
- L. **NEW GENERALIZATIONS OF NEMETHMOHAPATRA TYPE INEQUALITIES ON TIME SCALES**
AGARWAL R. P., Mahmoud R. R., Saker S. H., TUNÇ C.
ACTA MATHEMATICA HUNGARICA, vol.152, no.2, pp.383-403, 2017 (Journal Indexed in SCI)
- LI. **Qualitative properties of certain non-linear differential systems of second order**
TUNÇ C., Dinc Y.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.11, no.2, pp.359-366, 2017 (Journal Indexed in SCI)
- LII. **Qualitative properties in nonlinear Volterra integro-differential equations with delay**
TUNÇ C.
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.11, no.2, pp.309-314, 2017 (Journal Indexed in SCI)
- LIII. **INEQUALITIES AND EXPONENTIAL DECAY OF CERTAIN DIFFERENTIAL EQUATIONS OF FIRST ORDER IN TIME VARYING DELAY**
Korkmaz E., Tunc C.
DYNAMIC SYSTEMS AND APPLICATIONS, vol.26, no.1, pp.157-166, 2017 (Journal Indexed in SCI)
- LIV. **STABILITY AND BOUNDEDNESS IN VOLTERRA INTEGRO-DIFFERENTIAL EQUATIONS WITH DELAY**
TUNÇ C.
DYNAMIC SYSTEMS AND APPLICATIONS, vol.26, no.1, pp.121-130, 2017 (Journal Indexed in SCI)
- LV. **BOUNDEDNESS AND SQUARE INTEGRABILITY OF SOLUTIONS OF NONLINEAR FOURTH-ORDER DIFFERENTIAL EQUATIONS WITH BOUNDED DELAY**
Korkmaz E., Tunc C.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2017 (Journal Indexed in SCI)
- LVI. **On the Lipschitz condition in the fractal calculus**
Golmankhaneh A. K., TUNÇ C.
CHAOS SOLITONS & FRACTALS, vol.95, pp.140-147, 2017 (Journal Indexed in SCI)
- LVII. **On the nature of solutions of neutral differential equations with periodic coefficients**
TUNÇ C., Altun Y.
Applied Mathematics and Information Sciences, vol.11, no.2, pp.393-399, 2017 (Journal Indexed in SCI Expanded)
- LVIII. **An analytical method for solving exact solutions of the nonlinear Bogoyavlenskii equation and the nonlinear diffusive predator-prey system**
ALAM M. N., TUNÇ C.
ALEXANDRIA ENGINEERING JOURNAL, vol.55, no.2, pp.1855-1865, 2016 (Journal Indexed in SCI)
- LIX. **BEHAVIOR OF SOLUTIONS OF NONLINEAR FUNCTIONAL VOLTERRA INTEGRO-DIFFERENTIAL EQUATIONS WITH MULTIPLE DELAYS**
GRAEF J. R., Tunc C., Sevgin S.
DYNAMIC SYSTEMS AND APPLICATIONS, vol.25, pp.39-46, 2016 (Journal Indexed in SCI)
- LX. **Global existence and boundedness of solutions of a certain nonlinear integro-differential equation of second order with multiple deviating arguments**
TUNÇ C., Ayhan T.
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2016 (Journal Indexed in SCI)
- LXI. **Boundedness of Solutions to a Certain System of Differential Equations with Multiple Delays**
TUNÇ C.
MATHEMATICAL MODELING AND APPLICATIONS IN NONLINEAR DYNAMICS, vol.14, pp.109-123, 2016 (Journal Indexed in SCI)

- LXII. **On the boundedness and integration of non-oscillatory solutions of certain linear differential equations of second order**
TUNÇ C., Tunc O.
JOURNAL OF ADVANCED RESEARCH, vol.7, no.1, pp.165-168, 2016 (Journal Indexed in SCI)
- LXIII. **On some qualitative behaviors of certain differential equations of fourth order with multiple retardations**
Korkmaz E., TUNÇ C.
Journal of Applied Analysis and Computation, vol.6, no.2, pp.336-349, 2016 (Journal Indexed in SCI)
- LXIV. **ON THE EXISTENCE OF PERIODIC SOLUTIONS OF FUNCTIONAL DIFFERENTIAL EQUATIONS OF THE THIRD ORDER**
TUNÇ C.
APPLIED AND COMPUTATIONAL MATHEMATICS, vol.15, no.2, pp.189-199, 2016 (Journal Indexed in SCI)
- LXV. **Instability of solutions of vector Lienard equation with constant delay**
TUNÇ C.
BULLETIN MATHEMATIQUE DE LA SOCIETE DES SCIENCES MATHEMATIQUES DE ROUMANIE, vol.59, no.2, pp.197-204, 2016 (Journal Indexed in SCI)
- LXVI. **EXISTENCE OF SOLUTIONS TO SECOND-ORDER NONLINEAR COUPLED SYSTEMS WITH NONLINEAR COUPLED BOUNDARY CONDITIONS**
Talib I., Asif N. A. , TUNÇ C.
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2015 (Journal Indexed in SCI)
- LXVII. **GLOBAL STABILITY AND BOUNDEDNESS OF SOLUTIONS TO DIFFERENTIAL EQUATIONS OF THIRD ORDER WITH MULTIPLE DELAYS**
TUNÇ C.
DYNAMIC SYSTEMS AND APPLICATIONS, vol.24, no.4, pp.467-478, 2015 (Journal Indexed in SCI)
- LXVIII. **Global asymptotic stability and boundedness of certain multi-delay functional differential equations of third order**
Graef J. R. , TUNÇ C.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.38, no.17, pp.3747-3752, 2015 (Journal Indexed in SCI)
- LXIX. **Existence of solution for first-order coupled system with nonlinear coupled boundary conditions**
Asif N. A. , Talib I., TUNÇ C.
BOUNDARY VALUE PROBLEMS, 2015 (Journal Indexed in SCI)
- LXX. **Pseudo almost periodic solutions for CNNs with leakage delays and complex deviating arguments**
LIU B., TUNÇ C.
NEURAL COMPUTING & APPLICATIONS, vol.26, no.2, pp.429-435, 2015 (Journal Indexed in SCI)
- LXXI. **Qualitative theory of functional differential and integral equations**
Tunç C., Benchohra M., Liu B., Islam M. N. , Saker S. H.
ABSTRACT AND APPLIED ANALYSIS, pp.2-4, 2015 (Journal Indexed in SCI Expanded)
- LXXII. **On the stability to a functional lienard type equation with variable delay by Fixed points theory**
TUNÇ C.
Applied Mathematics and Information Sciences, vol.9, no.1, pp.463-472, 2015 (Journal Indexed in SCI Expanded)
- LXXIII. **Continuability and boundedness of multi-delay functional integro-differential equations of the second order**
Graef J. R. , TUNÇ C.
REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, vol.109, no.1, pp.169-173, 2015 (Journal Indexed in SCI)
- LXXIV. **Pseudo almost periodic solutions for a class of first order differential iterative equations**
LIU B., TUNÇ C.
Applied Mathematics Letters, vol.40, pp.29-34, 2015 (Journal Indexed in SCI)
- LXXV. **On the qualitative behaviors of solutions of some differential equations of higher order with multiple deviating arguments**

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JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, vol.351, no.2, pp.643-655, 2014 (Journal Indexed in SCI)

- LXXVI. **Convergence of Solutions to a Certain Vector Differential Equation of Third Order**
TUNÇ C., Gözen M.
ABSTRACT AND APPLIED ANALYSIS, 2014 (Journal Indexed in SCI)
- LXXVII. **INSTABILITY OF A FIFTH ORDER NON-LINEAR VECTOR DELAY DIFFERENTIAL EQUATION WITH MULTIPLE DEVIATING ARGUMENTS**
Tunc C.
UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, vol.76, no.1, pp.155-162, 2014 (Journal Indexed in SCI)
- LXXVIII. **Stability and Boundedness to Certain Differential Equations of Fourth Order with Multiple Delays**
Korkmaz E., TUNÇ C.
FILOMAT, vol.28, no.5, pp.1049-1058, 2014 (Journal Indexed in SCI)
- LXXIX. **Stability to a Kind of Functional Differential Equations of Second Order with Multiple Delays by Fixed Points**
TUNÇ C., Bicer E.
ABSTRACT AND APPLIED ANALYSIS, 2014 (Journal Indexed in SCI)
- LXXX. **A Note on the Bounded Solutions to $x'' + c(t, x, x') + q(t)b(x) = f(t)$**
Tunc C.
APPLIED MATHEMATICS & INFORMATION SCIENCES, vol.8, no.1, pp.393-399, 2014 (Journal Indexed in SCI)
- LXXXI. **Asymptotic stability of solutions of a class of neutral differential equations with multiple deviating arguments**
Tunc C.
BULLETIN MATHEMATIQUE DE LA SOCIETE DES SCIENCES MATHÉMATIQUES DE ROUMANIE, vol.57, no.1, pp.121-130, 2014 (Journal Indexed in SCI)
- LXXXII. **Stability to vector Liénard equation with constant deviating argument**
Tunc C.
NONLINEAR DYNAMICS, vol.73, no.3, pp.1245-1251, 2013 (Journal Indexed in SCI)
- LXXXIII. **Instability to Nonlinear Vector Differential Equations of Fourth Order with Constant Delay**
Tunc C.
SAINS MALAYSIANA, vol.42, no.7, pp.999-1002, 2013 (Journal Indexed in SCI)
- LXXXIV. **Boundedness of Solutions to Differential Equations of Fourth Order with Oscillatory Restoring and Forcing Terms**
TUNÇ C., Ateş M.
DISCRETE DYNAMICS IN NATURE AND SOCIETY, 2013 (Journal Indexed in SCI)
- LXXXV. **Existence of Periodic Solutions to Multidelay Functional Differential Equations of Second Order**
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BİÇER E., TUNÇ C.
Caucasian Mathematics Conference-CMC II, Van, Turkey, 22 - 24 August 2017, pp.39
- XX. **Asymptotic Properties of Solutions to Systems of Neutral Type Differential Equations With Periodic Coefficients**
Altun Y., TUNÇ C.
Caucasian Mathematics Conference II (CMC II), Van, Turkey, 22 - 24 August 2017, pp.31
- XXI. **On the stability of solutions of first order neutral differential equations by fixed point method**
AKBULUT İ., TUNÇ C.
Caucasian Mathematics Conference-CMC II, Van, Turkey, 22 - 24 August 2017, pp.24
- XXII. **, A remark on the qualitative criteria in retarded Volterra integro-differential equations**
MOHAMMED S. A. , TUNÇ C.
Caucasian Mathematics Conference-CMC II, Van, Turkey, 22 - 24 August 2017, pp.107
- XXIII. **Global asymptotic stability of a certain integro-differential systems modeling neural networks with delays**
KORKMAZ E., TUNÇ C.
International Conference on "Operators in Morrey Type Spaces and Applications", Van, Turkey, 10 - 13 July 2017, pp.90
- XXIV. **On the weighted pseudo almost periodic solutions of Lienard-type system with time-lag**
TUNÇ C., Yazgan R.
International Conference on "Operators in Morrey Type Spaces and Applications", Kırşehir, Turkey, 10 - 13 July 2017, pp.154
- XXV. **Global exponential stability of BAM neural networks with varying delays and impulses**
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International Conference on "Operators in Morrey Type Spaces and Applications, Kırşehir, Turkey, 10 - 13 July 2017, pp.90
- XXVI. **On exponential stability of nonlinear Volterra integro-differential equations with constant time-lag**
TUNÇ C.
Second International Conference on Computational Mathematics and Engineering Sciences (CMES2017), İstanbul, Turkey, 22 - 24 May 2017, pp.243
- XXVII. **On the properties of solutions to non-linear Volterra integro-differential equations with multiple time-lags**
TUNÇ C., TUNÇ O.
Second International Conference on Computational Mathematics and Engineering Sciences (CMES2017), İstanbul, Turkey, 22 May 2017, pp.102
- XXVIII. **Hyers-Ulam Rassias Stability of a Functional Differential Equation**
BİÇER E., TUNÇ C.
International Conference on Mathematics and Mathematics Education (ICMME-2017), Harran University, Şanlıurfa,

Turkey, 11 - 13 May 2017, pp.525

- XXXIX. **On global asymptotic stability of variable coefficient integro-differential systems modeling neural networks with delays**
KORKMAZ E., TUNÇ C.
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- XXX. **Weighted Pseudo Almost Periodic Solutions for Nonlinear Duffing System**
Yazgan R., TUNÇ C.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017, pp.322
- XXXI. **Numerical analysis of prey and predator problems of fractional order**
TUNÇ C., ALI A., SHAH K., KHAN R. A.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017, pp.187
- XXXII. **A New Result On Asymptotic Stability Of Solutions Of Neutral Differential Equations**
Gözen M., TUNÇ C.
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- XXXIII. **Stability and instability of functional Volterra integro-differential equations of first order**
MOHAMMED S. A. , TUNÇ C.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017, pp.435
- XXXIV. **On the stability and uniform stability in retarded integro-differential equations**
TUNÇ C.
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- XXXV. **A note on the existence of periodic and bounded solutions of Liénard equation.**
Erdur S., TUNÇ C.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017, pp.336
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AKBULUT İ., TUNÇ C.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017, pp.292
- XXXVII. **On qualitative properties in Volterra integro-differential equations**
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11th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences (ICNPAA), La Rochelle, France, 4 - 08 July 2016, vol.1798
- XXXVIII. **A Delay-Dependent Stability Criterion For Certain Linear Neutral Systems with Time-Varying Delay**
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2nd International Conference on Pure & Applied Science, İstanbul, Turkey, 1 - 05 June 2016, pp.1-14
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2nd International Conference on Pure & Applied Science, İstanbul, Turkey, 1 - 05 June 2016, pp.1-15
- XL. **On Exponential Stability of Solutions of Neutral Differential System with Multiple Variable Delays**
Tunç C., Gözen M.
INTERNATIONAL CONFERENCE ON PURE AND APPLIED MATHEMATICS (ICPAS 2015), Van, Turkey, 25 - 28 August 2015, pp.1-15
- XLI. **ON THE ASYMPTOTIC BEHAVIORS OF SOLUTIONS CERTAIN NON-LINEAR NEUTRAL EQUATIONS WITH MULTIPLE DEVIATING ARGUMENTS**
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- International Conference on Pure and Applied Mathematics (ICPAM 2015), Van, Turkey, 25 - 28 August 2015, pp.211
- XLII. **A Delay-Dependent Stability Criterion For Certain Linear Neutral Systems with Time-Varying Delay**
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2nd International Conference on Pure & Applied Science, İstanbul, Turkey, 1 - 05 June 2015, pp.1-14
- XLIII. **Modified Closed Boundary Conditions for Impulsive Fractional Differential Equations**
Ergören H., Tunç C.
3rd International Eurasian Conference On Mathematical Sciences and Applications (IECMSA2014), Vienna, Austria, 25 - 28 August 2014, pp.198
- XLIV. **A General Boundary Value Problem For Impulsive Fractional Differential Equations**
Ergören H., Tunç C.
The Algerian-Turkish International days on Mathematics (ATIM 2013), İstanbul, Turkey, 12 September 2013, pp.141
- XLV. **Impulsive Fractional Differential Equations with Variable Moments**
Ergören H., Tunç C.
International Conference Anatolian Communications in Nonlinear Analysis (ANCNA 2013), Bolu, Turkey, 3 - 06 July 2013, pp.14
- XLVI. **A class of boundary value problems for fractional differential equations**
Ergören H., Tunç C.
International Conference on Applied Analysis and Algebra (ICAAA2011), İstanbul, Turkey, 29 June - 02 July 2011, pp.207
- XLVII. **Some stability results for the solutions of certain fourth order delay differential equations**
Tunc C.
8th International Conference on Nonlinear Functional Analysis and Applications, Chinju, South Korea, 9 - 13 August 2004, vol.4, pp.133-140
- XLVIII. **An ultimate boundedness result for a certain system of fourth order nonlinear differential equations**
Tunc C.
8th International Conference on Nonlinear Functional Analysis and Applications, Chinju, South Korea, 9 - 13 August 2004, vol.5, pp.127-135
- XLIX. **About boundedness of solutions of nonlinear vector differential equations of third order**
TUNÇ C., Karakaş B.
14th Summer St. Petersburg Meeting in Mathematical Analysis, Saint-Petersburg, Russia, 6 - 11 June 2005, pp.1
- L. **Thlaspi Valerianoides Rech Fil ve Thlaspi Kurdicum Hedge Türlerine Ait Nümerik Taksonomi Çalışması**
DEMİRKUŞ N., TUNÇ C., OKUT H.
XVI.Ulusal Matematik Sempozyumu Yüzüncü Yıl Üniv., Turkey, 10 - 12 September 2003, pp.227-228

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 karahlığı, 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 Supported Projects, 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

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

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Mathematical Problems in Engineering, SCI Journal, February 2018
Journal of Taibah University for Science, SCI Journal, February 2018
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Journal of Taibah University for Science, Other Indexed Journal, December 2017
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Electronic Journal of Mathematical Analysis and Applications, Other Indexed Journal, June 2017
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Int. Journal of Differential Equations, SCI Journal, October 2016
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Numerical Investigation of Flow Characteristics and Reduction of Fluid Forces for Bluff Bodies inside the Channel, Other journals, August 2016
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Mediterranean Math. Journal, SCI Journal, May 2016
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International Journal of Differential Equations, Other Indexed Journal, May 2016
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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

Edit 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, Kırşehir, 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, Turkey, 2015
International Conference on Advancement in Mathematical Sciences, Attendee, Antalya, 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, 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, Turkey, 2015
ICPAM2015, Moderator, 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 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
International Conference on Recent Advances in Applied Mathematics, Invited Speaker, Lahore, Pakistan, 2015
4th International Conference on Mathematics & Information Science (ICMIS 2015, Invited Speaker, Arish, Egypt, 2015

Citations

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