

## Doç. Dr. Osman Tunç

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Yoksis Araştırmacı ID: 330454

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Analytical study of fractional DNA dynamics in the Peyrard-Bishop oscillator-chain model**  
Riaz M. B., Fayyaz M., Rahman R. U., Martinovic J., Tunç O.  
Ain Shams Engineering Journal, cilt.15, sa.8, 2024 (SCI-Expanded)
- II. **Exponential stability in the Lp-norm of nonlinear coupled hyperbolic spatially inhomogeneous systems**  
Slynko V., Tunç O., Atamas I.  
Applied Mathematics and Computation, cilt.472, 2024 (SCI-Expanded)
- III. **New Results on the Ulam–Hyers–Mittag–Leffler Stability of Caputo Fractional-Order Delay Differential Equations**  
Tunç O.  
Mathematics, cilt.12, sa.9, 2024 (SCI-Expanded)
- IV. **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, cilt.47, sa.6, ss.4014-4028, 2024 (SCI-Expanded)
- V. **Exploring analytical solutions and modulation instability for the nonlinear fractional Gilson–Pickering equation**  
Rahman R. U., Riaz M. B., Martinovic J., Tunç O.  
Results in Physics, cilt.57, 2024 (SCI-Expanded)
- VI. **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, cilt.2024, 2024 (SCI-Expanded)
- VII. **Modeling and simulations for the mitigation of atmospheric carbon dioxide through forest management programs**  
Riaz M. B., Raza N., Martinovic J., Bakar A., Tunç O.  
AIMS Mathematics, cilt.9, sa.8, ss.22712-22742, 2024 (SCI-Expanded)
- VIII. **On the fundamental qualitative properties of integro-delay differential equations**  
Bohner M., Tunç O., Korkmaz E.  
Communications in Nonlinear Science and Numerical Simulation, cilt.125, 2023 (SCI-Expanded)
- IX. **Mathematical analysis of stochastic epidemic model of MERS-corona & application of ergodic theory**  
Hussain S., Tunç O., Rahman G. u., Khan H., Nadia E.  
Mathematics and Computers in Simulation, cilt.207, ss.130-150, 2023 (SCI-Expanded)
- X. **On System of Variable Order Nonlinear p-Laplacian Fractional Differential Equations with Biological Application**

Khan H., Alzabut J., Gulzar H., Tunç O., Pinelas S.

Mathematics, cilt.11, sa.8, 2023 (SCI-Expanded)

- XI. **New Results on the Qualitative Analysis of Solutions of Vides by the Lyapunov–Razumikhin Technique**  
Tunç O., Korkmaz E.  
Ukrainian Mathematical Journal, cilt.74, sa.11, ss.1764-1779, 2023 (SCI-Expanded)
- XII. **Bifurcation Dynamics and Control Mechanism of a Fractional–Order Delayed Brusselator Chemical Reaction Model**  
Xu C., Mu D., Liu Z., Pang Y., Aouiti C., Tunç O., Ahmad S., Zeb A.  
Match, cilt.89, sa.1, ss.73-106, 2023 (SCI-Expanded)
- XIII. **SOLUTION ESTIMATES AND STABILITY TESTS FOR NONLINEAR DELAY INTEGRO-DIFFERENTIAL EQUATIONS**  
Pinelas S., Tunç O.  
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, cilt.2022, sa.68, 2022 (SCI-Expanded)
- XIV. **On fractal-fractional Covid-19 mathematical model**  
Khan H., Ahmad F., Tunç O., Idrees M.  
CHAOS SOLITONS & FRACTALS, cilt.157, 2022 (SCI-Expanded)
- XV. **QUALITATIVE ANALYSIS OF INTEGRO-DIFFERENTIAL EQUATIONS WITH VARIABLE RETARDATION**  
Bohner M., Tunç O.  
DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B, cilt.27, ss.639-657, 2022 (SCI-Expanded)
- XVI. **STABILITY, INSTABILITY, BOUNDEDNESS AND INTEGRABILITY OF SOLUTIONS OF A CLASS OF INTEGRO-DELAY DIFFERENTIAL EQUATIONS**  
Tunç O.  
JOURNAL OF NONLINEAR AND CONVEX ANALYSIS, cilt.23, sa.4, ss.801-819, 2022 (SCI-Expanded)
- XVII. **An application of Lyapunov-Razumikhin method to behaviors of Volterra integro-differential equations**  
Nieto J. J., Tunç O.  
REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, cilt.115, sa.4, 2021 (SCI-Expanded)
- XVIII. **On the behaviors of solutions of systems of non-linear differential equations with multiple constant delays**  
Tunç O.  
REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, cilt.115, sa.4, 2021 (SCI-Expanded)
- XIX. **Qualitative analysis of caputo fractional integro-differential equations with constant delays**  
Bohner M., Tunç O., Tunç C.  
COMPUTATIONAL & APPLIED MATHEMATICS, cilt.40, sa.6, 2021 (SCI-Expanded)
- XX. **The analysis of some special results of a Lasota-Ważewska model with mixed variable delays**  
Yazgan R., Tunç O.  
ADVANCES IN DIFFERENCE EQUATIONS, cilt.2021, sa.1, 2021 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Thermal and Flow Properties of Jeffrey Fluid Through Prabhakar Fractional Approach: Investigating Heat and Mass Transfer with Emphasis on Special Functions**  
Riaz M. B., Rehman A. U., Chan C. K., Zafar A. A., Tunç O.  
International Journal of Applied and Computational Mathematics, cilt.10, sa.3, 2024 (Scopus)
- II. **On the qualitative behaviors of Volterra-Fredholm integro differential equations with multiple time-varying delays**  
Tunç C., Tunç O.

- Arab Journal of Basic and Applied Sciences, cilt.31, sa.1, ss.440-453, 2024 (Scopus)
- III. **Fractional dynamics and sensitivity analysis of measles epidemic model through vaccination**  
Riaz M. B., Raza N., Martinovic J., Bakar A., Kurkcu H., Tunç O.  
Arab Journal of Basic and Applied Sciences, cilt.31, sa.1, ss.265-281, 2024 (Scopus)
- IV. **Dynamical and sensitivity analysis for fractional Kundu–Eckhaus system to produce solitary wave solutions via new mapping approach**  
Rehman A. U., Riaz M. B., Tunç O.  
Arab Journal of Basic and Applied Sciences, cilt.31, sa.1, ss.393-404, 2024 (Scopus)
- V. **A Fractional Order Covid-19 Epidemic Model with Mittag–Leffler Kernel**  
Khan H., Ibrahim M., Khan A., Tunç O., Abdeljawad T.  
Journal of Mathematical Sciences (United States), cilt.272, sa.2, ss.284-306, 2023 (Scopus)
- VI. **A fractal–fractional COVID-19 model with a negative impact of quarantine on the diabetic patients**  
Khan H., Alzabut J., Tunç O., Kaabar M. K.  
Results in Control and Optimization, cilt.10, 2023 (Scopus)
- VII. **Riccati technique for oscillation of half-linear/Emden-Fowler neutral dynamic equations**  
Saker S. H., Sethi A. K., Tunç O., Alzabut J.  
Journal of Mathematics and Computer Science, cilt.29, sa.4, ss.387-398, 2023 (ESCI)
- VIII. **Stability tests and solution estimates for non-linear differential equations**  
Tunç O.  
International Journal of Optimization and Control: Theories and Applications, cilt.13, sa.1, ss.92-103, 2023 (Scopus)
- IX. **New qualitative results to delay integro-differential equations**  
Tunç O.  
INTERNATIONAL JOURNAL OF NONLINEAR ANALYSIS AND APPLICATIONS, cilt.13, sa.2, ss.1131-1141, 2022 (ESCI)

## **Metrikler**

Yayın: 51

Atıf (WoS): 780

Atıf (Scopus): 1071

H-İndeks (WoS): 16

H-İndeks (Scopus): 21