

# Prof. Dr. MUSTAFA TÜRKYILMAZOĞLU

## Kişisel Bilgiler

E-posta: turkyilm@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/turkyilm>

## Uluslararası Araştırmacı ID'leri

ORCID: 0000-0003-0412-4580

Yoksis Araştırmacı ID: 11133

## Eğitim Bilgileri

Doktora, Fen, Matematik, Birleşik Krallık 1994 - 1998

## Yabancı Diller

İngilizce, B2 Orta Üstü

## Yaptığı Tezler

Doktora, Doktora Tezi, Hacettepe Üniversitesi, Fen Fakültesi, Matematik Bölümü, 1998

## Araştırma Alanları

Matematik, Bilgisayar Bilimleri, Diferansiyel denklemler, Yaklaşımlar ve Açılımlar, Temel Bilimler

## Akademik İdari Deneyim

Hacettepe Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2003 - 2006

Hacettepe Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2001 - 2004

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## Yönetilen Tezler

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- V. **The operational matrices methods for solving the Poisson equation with nonlocal boundary conditions**  
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- VI. **Fluid flow between two active**  
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- VII. **Soret and Dufour effects for unsteady flow with shapes and  $(\text{Cu}+\text{Fe})_{30}\text{O}_{40}$ /(ethelene-glycol plus methanol) between two stretchable rotating disks**  
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- VIII. **Two Models on the Unsteady Heat and Fluid Flow Induced by Stretching or Shrinking Sheets and Novel Time-Dependent Solutions**  
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- IX. **Evidence of stretching/moving sheet-triggered nonlinear similarity flows: atomization and electrospinning with/without air resistance**  
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- XI. **Buckling phenomenon of vertical beam/column of variable density carrying a top mass**  
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- XII. **Uniformly Loaded Logarithmic Beam Mode with Spatially Varying Flexural Rigidity**  
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- XIV. **Flow and heat transfer in annuli owing to inner shrinking and outer stationary cylinder**  
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- XV. **Darcy-Brinkman porous medium for dusty fluid flow with steady boundary layer flow in the**

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- XVI. **Unsteady Fluid Flow in a Darcy–Brinkman Porous Medium with Slip Effect and Porous Dissipation**  
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- XIX. **RELIABLE COMPUTATIONAL METHODS FOR SOLVING JEFFERY-HAMEL FLOW PROBLEM BASED ON POLYNOMIAL FUNCTION SPACES**  
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- XX. **Generalized vortex flow of nanoparticle shapes over a permeable disc surface with generalized slip conditions**  
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- XXI. **Film Flow of Nano-Micropolar Fluid with Dissipation Effect**  
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- XXIV. **On heat transfer with unsteady MHD nanofluid von Karman flow with uniform suction**  
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- XXVI. **Impact of multiple shapes on Al<sub>2</sub>O<sub>3</sub>–Cu/ H<sub>2</sub>O–C<sub>2</sub>H<sub>6</sub>O<sub>2</sub> towards a permeable surface of cylinder**  
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- XXVII. **Hyperthermia therapy of cancerous tumor sitting in breast via analytical fractional model**  
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- XXVIII. **A highly accurate peak time formula of epidemic outbreak from the SIR model**  
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- XXXI. **Towards an approximate solution of highly viscous electro-osmotic flows in inclined Channel: Applications in petroleum and gas engineering**  
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- XXXIV. **The instability onset of generalized isoflux mean flow using Brinkman-Darcy-Bénard model in a fluid saturated porous channel**  
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- XXXV. **The flow and heat in the conical region of a rotating cone and an expanding disk**  
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- XLI. **Prescribed Temperature Profiles of Longitudinal Convective-Radiative Fins Subject to Axially Distributed Thermal Conductivities**  
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- XLV. **Lid-Driven Butterfly Cavity for a Controllable Viscous Flow**  
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- XLVI. **Unsteady three-dimensional magnetohydrodynamics flow of nanofluids over a decelerated rotating disk with uniform suction**  
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- XLVII. **A restricted epidemic SIR model with elementary solutions**  
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- XLVIII. **Driven flow motion by a dually moving lid of a square cavity**  
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- L. **Exponential nonuniform wall heating of a square cavity and natural convection**  
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- LI. **Flow and heat over a rotating disk subject to a uniform horizontal magnetic field**  
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- LVI. **An Efficient Computational Method for Differential Equations of Fractional Type**  
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- LVII. **Maximum wave run-up over beaches of convex/concave bottom profiles**  
TÜRKYILMAZOĞLU M.  
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- LVIII. **Explicit formulae for the peak time of an epidemic from the SIR model. Which approximant to use?**  
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- LIX. **Heat absorption due to falling film with imposed uniform mass fraction at the wall**  
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- LX. **Heat Transfer Enhancement Feature of the Non-Fourier Cattaneo-Christov Heat Flux Model**  
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- LXI. **An analytic parametric study of rounded laser pulse heating**  
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- LXII. **Explicit formulae for the peak time of an epidemic from the SIR model**  
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- LXIV. **Heat transport in shear-driven flow with axial conduction**  
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- LXV. **Exact solutions concerning momentum and thermal fields induced by a long circular cylinder**  
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- LXVI. **On the transparent effects of Buongiorno nanofluid model on heat and mass transfer**  
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- LXVII. **Threshold for the generalized Non-Fourier heat flux model: Universal closed form analytic solution**  
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- LXVIII. **Complete theory of the elastic wall jet: A new flow geometry with revisited two-phase nanofluids**  
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- LXIX. **Magnetohydrodynamic Moving Liquid Plug Within a Microchannel: Analytical Solutions**  
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- LXX. **Nonlinear Problems via a Convergence Accelerated Decomposition Method of Adomian**  
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- LXXI. **On the fluid flow and heat transfer between a cone and a disk both stationary or rotating**  
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- LXXIII. **An optimum profile of a special pin fin: full solutions**  
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- LXXIV. **Velocity Slip and Entropy Generation Phenomena in Thermal Transport Through Metallic Porous Channel**  
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- LXXV. **Exact and approximate solutions to projectile motion in air incorporating Magnus effect**  
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- LXXVI. **Single phase nanofluids in fluid mechanics and their hydrodynamic linear stability analysis**  
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- LXXVII. **Natural convection in the ferrofluid enclosed in a porous and permeable cavity**  
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- LXXVIII. **Analytical and stability analysis of MHD flow past a nonlinearly deforming vertical surface in Carbon Nanotubes**  
Anuar N. S., Bachok N., TÜRKYILMAZOĞLU M., Arifin N. M., Rosali H.  
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- LXXIX. **A simple algorithm for high order Newton iteration formulae and some new variants**  
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- LXXX. **Cooling of Particulate Solids and Fluid in a Moving Bed Heat Exchanger**  
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- LXXXI. **Fully developed slip flow in a concentric annuli via single and dual phase nanofluids models**  
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- LXXXII. **Free and circular jets cooled by single phase nanofluids**  
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- LXXXIII. **A New Theoretical Approach of Wall Transpiration in the Cavity Flow of the Ferrofluids**  
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- LXXXIV. **Accelerating the convergence of Adomian decomposition method (ADM)**  
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- LXXXV. **Equivalence of Ratio and Residual Approaches in the Homotopy Analysis Method and Some Applications in Nonlinear Science and Engineering**  
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- LXXXVI. **A Note on the Induced Flow and Heat Transfer Due to a Deforming Cone Rotating in a Quiescent Fluid**  
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- LXXXVII. **Buongiorno model in a nanofluid filled asymmetric channel fulfilling zero net particle flux at the walls**  
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- LXXXVIII. **Analytical solutions to mixed convection MHD fluid flow induced by a nonlinearly deforming permeable surface**  
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- LXXXIX. **Fluid flow and heat transfer over a rotating and vertically moving disk**  
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- XC. **Stefan problems for moving phase change materials and multiple solutions**  
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- XCI. **Hyperbolic Partial Differential Equations with Nonlocal Mixed Boundary Values and their Analytic Approximate Solutions**  
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- XCII. **Unsteady flow over a decelerating rotating sphere**  
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- XCIII. **Flow and heat due to a surface formed by a vortical source**  
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## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **OPTIMIZATION BY THE CONVERGENCE CONTROL PARAMETER IN ITERATIVE METHODS**  
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- I. **Exact solutions of flow and heat over a long cylinder with diverse physical mechanisms**  
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- II. **Optimum Adomian Decomposition Method**  
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### III. Parametrized Adomian decomposition method with optimum convergence

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### Desteklenen Projeler

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