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- II. **RBF SOLUTION OF MHD STOKES FLOW AND MHD FLOW IN A CONSTRICTED ENCLOSURE**  
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- III. **The BEM Solutions of MHD Flow and Heat Transfer in a Rectangular Duct with Temperature Dependent Viscosity**  
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- VI. **Magnetohydrodynamic pipe flow in annular-like domains**  
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- VII. **International conference on boundary element and meshless techniques XVII**  
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- VIII. **Natural convection flow of a nanofluid in an enclosure under an inclined uniform magnetic field**  
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- IX. **MHD Stokes flow in lid-driven cavity and backward-facing step channel**  
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- I. **Numerical Analysis**  
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- II. **DRBEM solution of MHD flow and electric potential in arectangular pipe with a moving Lid**  
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## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **DRBEM solutions of regularly perturbed MHD flow in a rectangular duct with no-slip and insulated/conducting walls**  
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- II. **A CSCM Approximation of Steady MHD Flow and Heat Transfer Between Parallel Plates with Hydrodynamic Slip and Convective Boundary Conditions**  
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- III. **Finite Difference Solutions of 2D Magnetohydrodynamic Channel Flow in a Rectangular Duct**  
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- IV. **DRBEM Solution of MHD Flow in an Array of Electromagnetically Coupled Rectangular Ducts**  
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- V. **Fdm solution of mhd flow in a rectangular duct with slipping and partly insulated partly conducting side walls**  
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- VI. **MHD flow in a circular pipe with arbitrarily conducting slipping walls**  
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- VII. **Parameter Identification in MHD Duct Flow Cauchy Problem using the DRBEM**  
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- VIII. **The Application of BEM to MHD Flow and Heat Transfer in a Rectangular Duct with Temperature Dependent Viscosity**  
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- IX. **Numerical Modelling of MHD Convection Flow in Cavities**  
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- X. **Stability of Unsteady MHD Flow in a Rectangular Duct**  
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- XI. **The DRBEM slution of the Cauchy MHD Flow in a duct with one of the walls is slipping and variably conducting**  
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- XII. **MHD flow in a rectangular duct with a perturbed boundary**  
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- XIII. **Solution of MHD Flow in an Array of Electromagnetically Coupled Rectangular Ducts**  
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- XIV. **Solution of MHD Flow with BEM using Direct Radial Basis Function Interpolation**  
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- XV. **DRBEM Solution to MHD Flow in Ducts with Thin Slipping side Walls and Separated by Conducting Thick walls**  
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- XVI. **Finite Difference Solution of 1D Magnetohydrodynamic Channel Flow with Slipping Walls**  
Arslan S., Tezer M.  
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- XVII. **Optimal Control for the MHD Flow and Heat Transfer with Variable Viscosity in a Square Duct**  
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- XVIII. **The stabilized FEM solution of the MHD flow in a rectangular duct with perturbed boundary**  
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- XIX. **Electrically driven MHD flow between two parallel slipping and partly conducting infinite plates**  
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- XX. **DRBEM solution of MHD flow in pipes with partly insulated partly perfectly conducting slipping walls**  
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- XXI. **DRBEM solutions of the direct and inverse formulations of cauchy problem for the magnetohydrodynamic duct flow**  
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- XXIII. **MHD duct flow with slipping velocity on the Hartmann and side walls**  
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- XXIV. **FEM solution of MHD flow in rectangular ducts with different wall conductivities and slip conditions**  
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- XXV. **Numerical stability of RBF solution for unsteady full MHD flow equations**  
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- XXVI. **DRBEM solution of the cauchy problem for MHD rectangular duct flow**  
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- XXVII. **RBF Solution of Incompressible MHD Convection Flow in a Pipe**  
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- XXVIII. **DRBEM Solution of Biomagnetic Convection Flow in a Rectangular Pipe**  
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- XXIX. **MHD Convection Flow in a Constricted Channel**  
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- XXXII. **Flow in a square cavity with an obstacle under the influence of a non uniform magnetic field**  
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- XXXIV. **MHD Stokes Flow in a smoothly constricted rectangular enclosure**  
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- XXXV. **Boundary integral solution of MHD pipe flow**  
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- XXXVIII. **Stabilized FEM Solution of 2D Steady Slow Viscous MHD Flow of an Unbounded Conducting Liquid About Solid Particles**  
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- XXXIX. **BEM Solution of MHD flow in a semi infinite channel with variable wall conductivity**  
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- XL. **BEM Solution of MHD Flow in a Semi Infinite Channel with Variable Wall Conductivity**  
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- XLI. **Semi theoretical solution of outer Neumann problem coupled with inner Dirichlet problem for MHD**

**circular pipe flow**

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- XLV. **A new boundary approach for the 2D viscous MHD flow about a solid particle**  
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- XLVI. **DRBEM solution of natural convection flow of micropolar nanofluids**  
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- XLVII. **Lid driven cavity and backward facing step Stokes flow under an applied magnetic field**  
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- XLVIII. **Flow in a rectangular duct under the influence of the magnetic field**  
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- XLIX. **Stokes Flow in a lid driven rectangular duct under the influence of a point source magnetic field**  
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- L. **Two dimensional Stokes Flow of an electrically conducting fluid in a channel under uniform magnetic field**  
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- LII. **Natural Convection Flow of a nanofluid in an Enclosure under a uniform magnetic field**  
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- LIII. **Çember Üzerinde Sınır Koşulları ile Bağlı Dış Neumann ve İç Dirichlet MHD Kanal Akış Probleminin Çözümü**  
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- LIV. **MHD flow in rectangular ducts of partly conducting walls under an inclined magnetic field**  
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Sariaydin A., Tezer-Sezgin M.

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**LX. FEM Solution of Diffusion-Convection-Reaction Equations in Air Pollution**

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**LXI. Numerical solution of magnetohydrodynamic flow problems using the boundary element method**

Tezer-Sezgin M., Aydin S.

27th World Conference on Boundary Elements and Other Mesh Reduction Methods, Florida, Amerika Birleşik Devletleri, 15 - 18 Mart 2005, cilt.39, ss.453-461

## Desteklenen Projeler

BOZKAYA C., TEZER M., FENDOĞLU H., Yükseköğretim Kurumları Destekli Proje, Zamana bağlı magnetohidrokinamik akış probleminin pertürbe edilmiş sınıra sahip dikdörtgen kanal kesitinde sınır elemanları metodu ile çözümü, 2018 - 2019

TEZER M., BOZKAYA C., Yükseköğretim Kurumları Destekli Proje, Silindirik kanal içerisinde magnetohidrokinamik akış probleminin teorik çözümü ve nümerik simülasyonu, 2016 - 2016

TEZER M., ŞENEL P., Yükseköğretim Kurumları Destekli Proje, Magnetohidrokinamik (MHD)-Stokes Akışın Karşılıklı Sınır Elemanları Metodu (DRBEM) ile Nümerik Çözümü, 2015 - 2015

TEZER M., GÜRBÜZ M., Yükseköğretim Kurumları Destekli Proje, Radyal Baz Fonksiyonları Yaklaşımı ile Manyetik Akış ve Elektrik Potansiyel Denklemlerinin Çözümü, 2015 - 2015

TEZER M., Pekmen B., Yükseköğretim Kurumları Destekli Proje, Manyetik Potansiyel İçeren Manyeto-Konveksiyon Akışın Karşılıklı Sınır Elemanları Metodu ile Çözümü, 2013 - 2013

TEZER M., TÜRK Ö., Yükseköğretim Kurumları Destekli Proje, İçinde Parçacıklar Bulunduran Sıvıların Zamana Bağımlı Magnetohidrokinamik Akışı Ve Isı Transferi, 2011 - 2011

TEZER M., Yükseköğretim Kurumları Destekli Proje, Magnetohydrodynamic Flow İn An Electrodynamically Conducting Semi-Infinite Strip, 2011 - 2011

TEZER M., TÜRK Ö., Yükseköğretim Kurumları Destekli Proje, Numerical Solution Of Liquid Metal Magnetohydrodynamics(mhd) Flow With Heat Transfer., 2010 - 2010

## Bilimsel Kuruluşlardaki Üyelikler / Görevler

Türk Kadın Matematikçiler Derneği, Bilim Kurulu Üyesi, 2012 - Devam Ediyor

## Metrikler

Yayın: 155

Atıf (WoS): 972

Atıf (Scopus): 1075

H-İndeks (WoS): 17

H-İndeks (Scopus): 18

## Kongre ve Sempozyum Katılımı Faaliyetleri

7th International Conference on Mathematical Modeling in Physical Sciences, IC-MSQUARE, Çalışma Grubu, Moscow, Rusya, 2018

20th European Conference on Mathematics for Industry (ECMI-2018), Çalışma Grubu, Budapest, Macaristan, 2018

International Conference on Applied Mathematics in Engineering ICAME-2018, Çalışma Grubu, Balıkesir, Türkiye, 2018

3rd International Conference on Computational Mathematics and Engineering Sciences (CMES 2018), Çalışma Grubu, Girne, Kıbrıs (Kktc), 2018

## Davetli Konuşmalar

Recent Developments and Applications of Numerical Analysis, Seminer, Muğla Sıtkı Koçman Üniversitesi, Türkiye, Mayıs 2018

Recent Developments and Applications of Numerical Analysis, Seminer, İzmir Ekonomi Üniversitesi, Türkiye, Nisan 2018

## Ödüller

Gürbüz M., Tezer M., TÜBİTAK ULAKBİM YAYIN TEŞVİK Makale Ödülü, Tübitak, Aralık 2018

Aydın C., Tezer M., TÜBİTAK ULAKBİM YAYIN TEŞVİK Makale Ödülü, Tübitak, Aralık 2018

Evcin C., Uğur Ö., Tezer M., ODTÜ Geliştirme Vakfı Makale Ödülü, Odtü Geliştirme Vakfı, Eylül 2018

Bozkaya C., Tezer M., Fendoğlu H., ODTU Gelistirme Vakfı Makale Odulu, Odtu Gelistirme Vakfı, Haziran 2018

Aydın C., Tezer M., ODTÜ Geliştirme Vakfı Makale Ödülü, Odtü Gelistirme Vakfı, Mayıs 2018

## Akademi Dışı Deneyim

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