

## Prof.Dr. AHMET PINARBAŞI

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Lehigh University, Makina Mühendisliği ve Mekanik, Amerika Birleşik Devletleri 1991 - 1996

Yüksek Lisans, Lehigh University, Makina Mühendisliği ve Mekanik, Amerika Birleşik Devletleri 1990 - 1991

Lisans, İstanbul Teknik Üniversitesi, Beslenme ve Diyetetik, Yeni Türk Dili, Türkiye 1984 - 1988

### Yabancı Diller

İngilizce, C2 Ustalık

### Araştırma Alanları

Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Prof.Dr., Ankara Yıldırım Beyazıt Üniversitesi, Mühendislik ve Doğa Bilimleri Fakültesi, Makine Mühendisliği, 2012 - Devam Ediyor

Doç.Dr., Çukurova Üniversitesi, Metalurji ve Malzeme Mühendisliği, Makina Müh., 2005 - 2012

Dr.Öğr.Üyesi, Çukurova Üniversitesi, Metalurji ve Malzeme Mühendisliği, Makina Müh., 1997 - 2012

### Akademik İdari Deneyim

Rektör, Alanya Alaaddin Keykubat Üniversitesi, 2015 - 2019

Rektör Yardımcısı, Adıyaman Üniversitesi, 2012 - 2015

### Yönetilen Tezler

Pınarbaşı A., KATODİK KORUMA İLE BORULARIN KOROZYONDAN KORUNMASI, Yüksek Lisans, T.KARAGÖZ(Öğrenci), 2017

Pınarbaşı A., Numerical investigation of a non-Newtonian fluid flow through a contraction pipe, Yüksek Lisans, M.ÖZTÜRK(Öğrenci), 2012

Pınarbaşı A., Numerical analysis of vortex breakdown of unmanned combat air vehicles, Yüksek Lisans, M.MURAT(Öğrenci), 2011

Pınarbaşı A., PIV measurements of flow behind cones, Yüksek Lisans, E.GÜLERYÜZ(Öğrenci), 2010

Pınarbaşı A., PIV measurement of flow over square cylinders in tandem arrangement, Yüksek Lisans, E.İNCE(Öğrenci),

2009

Pınarbaşı A., Footprint analysis of radial passenger tire, Yüksek Lisans, B.KARAYTUĞ(Öğrenci), 2009

Pınarbaşı A., Variable thermal conductivity and viscosity effects on non-isothermal flow of a non-newtonian fluid, Yüksek Lisans, E.TOROS(Öğrenci), 2008

Pınarbaşı A., Large and small scale instabilities for shear layer along a perforated surface, Doktora, C.ÖZALP(Öğrenci), 2006

Pınarbaşı A., Flow of a newtonian fluid through a constricted pipe, Yüksek Lisans, M.SERDAR(Öğrenci), 2004

Pınarbaşı A., Comparison of mechanical compression water chiller and geothermal heating and cooling system, Yüksek Lisans, K.YILMAZ(Öğrenci), 2004

Pınarbaşı A., Linear stability analysis of a non - newtonian fluid with viscous heating, Doktora, M.İMAL(Öğrenci), 2004

Pınarbaşı A., The effect of temperature dependent thermal conductivity of Newtonian fluids on the heat transfer in a channel, Yüksek Lisans, S.DUMAN(Öğrenci), 2004

Pınarbaşı A., Lüle, orifis ve venturimetrede basınç kaybının araştırılması, Yüksek Lisans, G.GÜRSOY(Öğrenci), 1999

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

- I. **Energy efficiency evaluation and economic feasibility analysis of a geothermal heating and cooling system with a vapor-compression chiller system**  
Imal M., Yilmaz K., Pınarbaşı A.  
Sustainability (Switzerland), cilt.7, sa.9, ss.12926-12946, 2015 (SCI Expanded İndekslerine Giren Dergi)
- II. **Shallow water experiments of flow past two identical square cylinders in tandem**  
Pınarbaşı A., Pınar E., Akilli H., Ince E.  
European Journal of Mechanics, B/Fluids, cilt.49, ss.100-107, 2015 (SCI Expanded İndekslerine Giren Dergi)
- III. **Experimental measurement of flow past cavities of different shapes**  
Ozalp C., Pınarbaşı A., ŞAHİN B.  
Experimental Thermal and Fluid Science, cilt.34, sa.5, ss.505-515, 2010 (SCI Expanded İndekslerine Giren Dergi)
- IV. **Effect of classical Eberhart lime kiln modifications on capacity and lime quality of kilns**  
Anil M., Turkmenoglu M., YAPICI N., Pınarbaşı A., KILIÇ Ö.  
Asian Journal of Chemistry, cilt.21, sa.6, ss.4663-4688, 2009 (SCI Expanded İndekslerine Giren Dergi)
- V. **Combined effect of variable fluid properties on nonisothermal flow of an inelastic fluid with viscous heating**  
Pınarbaşı A., Toros E., Imal M.  
International Communications in Heat and Mass Transfer, cilt.36, sa.3, ss.280-285, 2009 (SCI Expanded İndekslerine Giren Dergi)
- VI. **PIV measurements of flow through a sudden contraction**  
Ozalp C., Pınarbaşı A., Fakılar M., ŞAHİN B.  
Flow Measurement and Instrumentation, cilt.18, ss.121-128, 2007 (SCI Expanded İndekslerine Giren Dergi)
- VII. **Localized material and processing aspects related to enhanced recycled material utilization through vibration-assisted injection molding**  
Kikuchi A., Coulter J. P. , Angstadt D., Pınarbaşı A.  
Journal of Manufacturing Science and Engineering, Transactions of the ASME, cilt.127, sa.2, ss.402-410, 2005 (SCI Expanded İndekslerine Giren Dergi)
- VIII. **Viscous heating effects on the linear stability of Poiseuille flow of an inelastic fluid**  
Pınarbaşı A., Imal M.  
Journal of Non-Newtonian Fluid Mechanics, cilt.127, ss.67-71, 2005 (SCI Expanded İndekslerine Giren Dergi)
- IX. **Influence of variable thermal conductivity and viscosity for nonisothermal fluid flow**  
Pınarbaşı A., Ozalp C., Duman S.  
Physics of Fluids, cilt.17, sa.3, 2005 (SCI Expanded İndekslerine Giren Dergi)
- X. **Self-excited oscillations of flow past a perforated plate: Attenuation via three-dimensional surface elements**

Ozalp C., Pinarbasi A., Rockwell D.

Journal of Fluids Engineering, Transactions of the ASME, cilt.127, sa.1, ss.149-162, 2005 (SCI Expanded İndekslerine Giren Dergi)

- XI. **Self-excited oscillations of turbulent inflow along a perforated plate**  
Ozalp C., Pinarbasi A., Rockwell D.  
Journal of Fluids and Structures, cilt.17, sa.7, ss.955-970, 2003 (SCI Expanded İndekslerine Giren Dergi)
- XII. **Nonisothermal channel flow of a non-newtonian fluid with viscous heating**  
Pinarbasi A., Imal M.  
International Communications in Heat and Mass Transfer, cilt.29, sa.8, ss.1099-1107, 2002 (SCI Expanded İndekslerine Giren Dergi)
- XIII. **Interface stabilization in two-layer channel flow by surface heating or cooling**  
Pinarbasi A.  
European Journal of Mechanics, B/Fluids, cilt.21, sa.2, ss.225-236, 2002 (SCI Expanded İndekslerine Giren Dergi)
- XIV. **Effect of viscosity models on the stability of a non-Newtonian fluid in a channel with heat transfer**  
Pinarbasi A., Ozalp C.  
International Communications in Heat and Mass Transfer, cilt.28, sa.3, ss.369-378, 2001 (SCI Expanded İndekslerine Giren Dergi)
- XV. **Formulation and computational issues for stability of two-layer inelastic fluids**  
Pinarbasi A.  
Computers and Fluids, cilt.29, sa.8, ss.935-950, 2000 (SCI Expanded İndekslerine Giren Dergi)
- XVI. **On the influence of temperature and viscosity fluctuations on interfacial instability**  
Pinarbasi A., Liakopoulos A.  
International Communications in Heat and Mass Transfer, cilt.23, sa.4, ss.485-493, 1996 (SCI Expanded İndekslerine Giren Dergi)
- XVII. **The role of variable viscosity in the stability of channel flow**  
Pinarbasi A., Liakopoulos A.  
International Communications in Heat and Mass Transfer, cilt.22, sa.6, ss.837-847, 1995 (SCI Expanded İndekslerine Giren Dergi)
- XVIII. **The effect of variable viscosity on the interfacial stability of two-layer Poiseuille flow**  
Pinarbasi A., Liakopoulos A.  
Physics of Fluids, cilt.7, sa.6, ss.1318-1324, 1995 (SCI Expanded İndekslerine Giren Dergi)
- XIX. **Stability of two-layer poiseuille flow of Carreau-Yasuda and Bingham-like fluids**  
Pinarbasi A., Liakopoulos A.  
Journal of Non-Newtonian Fluid Mechanics, cilt.57, ss.227-241, 1995 (SCI Expanded İndekslerine Giren Dergi)
- XX. **Pattern recognition analysis of bubbles impacting on tubes**  
Levy E., Wagh M., Sethu H., Pinarbasi A.  
Powder Technology, cilt.70, sa.2, ss.175-181, 1992 (SCI Expanded İndekslerine Giren Dergi)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Single Value Decomposition for stability analysis of nonlinear Poiseuille flows**  
Pinarbasi A.  
Turkish Journal of Engineering and Environmental Sciences, cilt.23, sa.6, ss.403-410, 1999 (Diğer Kurumların Hakemli Dergileri)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Localized material effects associated with flow control during multi-cavity injection molding processes**

Layser G. S. , Coulter J. P. , Pinarbasi A.

ANTEC 2004 - Annual Technical Conference Proceedings, Chicago, IL., Amerika Birleşik Devletleri, 16 - 20 Mayıs 2004, cilt.1, ss.584-588

**II. Stability of a Non-Newtonian fluid in a channel with heat transfer**

Ozalp C., Pinarbasi A.

2003 ASME International Mechanical Engineering Congress, Washington, Amerika Birleşik Devletleri, 15 - 21 Kasım 2003, cilt.259, ss.793-799

**III. Numerical simulation of polymer melt flow control for a multi-cavity mold during injection molding processes**

Pinarbasi A., Layser G. S. , Coulter J. P.

2003 ASME International Mechanical Engineering Congress, Washington, Amerika Birleşik Devletleri, 15 - 21 Kasım 2003, cilt.259, ss.51-58

**IV. Heat transfer effects on the stability of plane Poiseuille flow**

Pinarbasi A., Liakopoulos A.

Proceedings of the 1995 ASME International Mechanical Congress and Exposition, San-Francisco, Kostarika, 12 - 17 Kasım 1995, cilt.234, ss.287-296

## **Atıflar**

Toplam Atıf Sayısı (WOS):8

h-indeksi (WOS):1