

Prof. Ali PINARBAŐI

Personal Information

Mobile Phone: [+90 530 220 2533](tel:+905302202533)

Office Phone: [+90 212 383 2993](tel:+902123832993)

Fax Phone: [+90 212 212 3833](tel:+902122123833)

Email: alipnrbs@yildiz.edu.tr

Other Email: [pinarbasiali@gmail.com](mailto:pinarbasi.ali@gmail.com)

Web: <https://avesis.yildiz.edu.tr/alipnrbs/>

Address: Faculty of Mechanical Engineering, Mechanical Engineering Department, A-510, 34349, BeŐiktaŐ, İstanbul, Türkiye

International Researcher IDs

ORCID: 0000-0001-8734-6730

Yoksis Researcher ID: 3401

Education Information

Doctorate, University of Liverpool, Engineering Faculty, Mechanical Engineering Department, United Kingdom 1991 - 1996

Postgraduate, Dokuz Eylul University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 1986 - 1989

Undergraduate, Istanbul Technical University, Makina, Mechanical Engineering, Turkey 1981 - 1985

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Occupational Health and Safety, İş Sađlıđı ve Güvenliđi Eđitimi, ÇSGB, 2012

Dissertations

Doctorate, Centrifugal compressor diffuser design, University of Liverpool, 1996

Postgraduate, Energy Economy in Drying, Dokuz Eylul University, Institute Of Science, 1989

Research Areas

Mechanical Engineering, Energy, Fluid Mechanics, Thermodynamics, Heating, Refrigerating and Air Conditioning, Computational fluid dynamics, Thermal Systems, Thermal machines, Engineering and Technology

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2012 - Continues
Professor, Sivas Cumhuriyet University, 2009 - 2012
Associate Professor, Sivas Cumhuriyet University, 2003 - 2009
Assistant Professor, Sivas Cumhuriyet University, 1996 - 2003
Research Assistant, Sivas Cumhuriyet University, 1986 - 1996

Courses

Advanced Fluid Mechanics, Postgraduate, 2019 - 2020
Fluid Mechanics, Undergraduate, 2019 - 2020
Machinery Equipment, Postgraduate, 2017 - 2018
Thermodynamics I, Undergraduate, 2016 - 2017

Advising Theses

Pinarbaşı A., Investigation of Heat Transfer and Pressure Loss in a Pure Ammonia Condensate System, Doctorate, A.Bacak(Student), Continues
Pinarbaşı A., Performance improvement research in cogeneration technology, Doctorate, Ö.Çağrı(Student), Continues
Pinarbaşı A., Cooling of Micro-Electro Mechanical Systems, Doctorate, A.OKBAZ(Student), Continues
PINARBAŞI A., Organic Rankine Cycle, Doctorate, A.DOĞAN(Student), Continues
Pinarbaşı A., Analytical Investigation of Thermal and Hydraulic Performance of Louvered Finned Heat Exchangers, Postgraduate, A.Bardakçı(Student), 2018
Pinarbaşı A., Investigation Of Combustion Emissions In Industrial Burner-Furnace System, Doctorate, M.Salih(Student), 2017
Pinarbaşı A., Experimental Study of Air Flow in Vacuum Cleaners, Postgraduate, E.ERDİL(Student), 2017
Pinarbaşı A., Investigation Of Thermal And Hydrolic Performance Of Wavy Finned Heat Exchangers By The Approximate Computational Fluid Dynamics Approach, Postgraduate, A.Bardakçı(Student), 2016
Pinarbaşı A., Optimization of Louvered Finned Heat Exchangers, Postgraduate, M.Öztürk(Student), 2016
Pinarbaşı A., Head Cooling Analysis of 4 Cylinder,, 4 Stroke, Internal Combustion Diesel Engine, Postgraduate, G.ÇEVİK(Student), 2016
Pinarbaşı A., CFD Analysis of A Tractor-Traier Models Drag Coefficient Under Crosswind Effect, Postgraduate, U.Keleş(Student), 2016
Pinarbaşı A., Investigation of Squeezing Efficiency at Washing Machines, Postgraduate, M.Kemal(Student), 2016
Pinarbaşı A., Trigeneration in a Pilot Project, Postgraduate, D.Yalçınkaya(Student), 2016
Pinarbaşı A., CFD analysis in vacuum cleaner, Postgraduate, E.ERDİL(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An experimental study on the determination of a hermetic reciprocating compressor's discharge and suction losses**
Bacak A., PINARBAŞI A., DALKILIÇ A. S.
Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, vol.238, no.3, pp.1330-1344, 2024 (SCI-Expanded)
- II. **Investigating a Hermetic Reciprocating Compressor Performance under Variable Lift Limiter Height using FSI Method**
Bacak A., Pınarbaşı A., Dalkılıç A. S.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART E: JOURNAL OF PROCESS MECHANICAL

ENGINEERING, vol.1, no.2, pp.1-15, 2024 (SCI-Expanded)

- III. **The impact of turbulence and combustion models on flames and emissions in a low swirl burner**
Cellek M. S., Pınarbaşı A., Coşkun G.
FUEL, vol.343, no.2, pp.1-15, 2023 (SCI-Expanded)
- IV. **A 3-D FSI SIMULATION FOR THE PERFORMANCE PREDICTION AND VALVE DYNAMIC ANALYSIS OF A HERMETIC RECIPROCATING COMPRESSOR**
Bacak A., Pınarbaşı A., Dalkılıç A. S.
INTERNATIONAL JOURNAL OF REFRIGERATION, vol.150, no.2, pp.135-148, 2023 (SCI-Expanded)
- V. **Experimental investigation of effect of different tube row-numbers, fin pitches and operating conditions on thermal and hydraulic performances of louvered and wavy finned heat exchangers**
Okbaz A., PINARBAŞI A., Olcay A. B.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.151, 2020 (SCI-Expanded)
- VI. **An experimental, computational and flow visualization study on the air-side thermal and hydraulic performance of louvered fin and round tube heat exchangers**
Okbaz A., Pınarbaşı A., Olcay A. B., Hilmi Aksoy M.
International Journal of Heat and Mass Transfer, vol.121, pp.153-169, 2018 (SCI-Expanded)
- VII. **Investigations on performance and emission characteristics of an industrial low swirl burner while burning natural gas, methane, hydrogen-enriched natural gas and hydrogen as fuels**
Cellek M. S., Pınarbaşı A.
International Journal of Hydrogen Energy, vol.43, pp.1194-1207, 2018 (SCI-Expanded)
- VIII. **The effect of pressure gradient on boundary layer receptivity**
Johnson M. W., Pınarbaşı A.
Flow, Turbulence and Combustion, vol.93, pp.1-24, 2014 (SCI-Expanded)
- IX. **Turbulence measurements in the inlet plane of a centrifugal compressor vaneless diffuser**
Pınarbaşı A.
INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW, vol.30, pp.266-275, 2009 (SCI-Expanded)
- X. **Effect of impeller-diffuser radial gap ratio in a centrifugal pump**
ÖZTÜRK A., AYDIN K., ŞAHİN B., Pınarbaşı A.
JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, vol.68, no.3, pp.203-213, 2009 (SCI-Expanded)
- XI. **Experimental hot-wire measurements in a centrifugal compressor with vaned diffuser**
Pınarbaşı A.
INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW, vol.29, pp.1512-1526, 2008 (SCI-Expanded)
- XII. **Wedge type vaned diffuser flow measurements in a low speed centrifugal compressor**
Temel U. N., Ozturk A., Pınarbaşı A.
JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, vol.67, no.10, pp.788-796, 2008 (SCI-Expanded)
- XIII. **Computation of flow in a target fluidic flowmeter**
Pınarbaşı A.
Journal Of Scientific & Industrial Research, vol.67, no.9, pp.697-702, 2008 (SCI-Expanded)
- XIV. **Measurements of Reynolds stresses in centrifugal compressor vaned diffusers**
Pınarbaşı A., Guleren K. M., Öztürk A.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.222, pp.1487-1503, 2008 (SCI-Expanded)
- XV. **Flow analysis in a centrifugal compressor vaneless diffusers**
Pınarbaşı A.
Journal Of Scientific & Industrial Research, vol.67, no.5, pp.348-355, 2008 (SCI-Expanded)
- XVI. **Large-eddy simulation of the flow in a low-speed centrifugal compressor**
Güleren K. M., Turan A., Pınarbaşı A.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, vol.56, no.8, pp.1271-1280, 2008 (SCI-Expanded)
- XVII. **Numerical simulation of the stalled flow within a vaned centrifugal pump**
Güleren K., Pınarbaşı A.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.218, pp.425-435, 2004 (SCI-Expanded)

- XVIII. **The flow structure during onset and developed states of rotating stall within a vaned diffuser of a centrifugal pump**
Sinha M., Pinarbaşı A., Katz J.
JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, vol.123, no.3, pp.490-499, 2001 (SCI-Expanded)
- XIX. **Detailed stress tensor measurements in a centrifugal compressor vaneless diffuser**
Pinarbaşı A., Johnson M.
JOURNAL OF TURBOMACHINERY-TRANSACTIONS OF THE ASME, vol.118, pp.394-399, 1996 (SCI-Expanded)
- XX. **Three-dimensional flow measurements in conical and straight wall centrifugal compressor vaneless diffusers**
Pinarbaşı A., Johnson M.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.210, pp.51-61, 1996 (SCI-Expanded)
- XXI. **Off-design flow measurements in a centrifugal compressor vaneless diffuser**
Pinarbaşı A., Johnson M.
JOURNAL OF TURBOMACHINERY-TRANSACTIONS OF THE ASME, vol.117, pp.602-608, 1995 (SCI-Expanded)
- XXII. **DETAILED FLOW MEASUREMENTS IN A CENTRIFUGAL-COMPRESSOR VANELESS DIFFUSER**
Pinarbaşı A., Johnson M.
JOURNAL OF TURBOMACHINERY-TRANSACTIONS OF THE ASME, vol.116, pp.453-461, 1994 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of Louvered Fin Heat Exchangers Performance via Experimental and Computational Fluid Dynamics Approach**
Okbaz A., Onbaşıoğlu H., Olcay A. B., Pinarbaşı A.
Mühendis ve Makina, vol.58, no.687, pp.41-45, 2017 (Peer-Reviewed Journal)
- II. **Investigation of Wavy Fin Heat Exchangers Performance via Experimental and Computational Fluid Dynamics Approach**
Bardakçı A. T., Okbaz A., Doğan A., Pinarbaşı A.
MMO Tesisat Mühendisliği Dergisi, no.159, pp.5-14, 2017 (Peer-Reviewed Journal)
- III. **Optimum Distance between vortex generators used in modern thermal systems**
Özgün C., Nazlı C., Yılmaz F., Pinarbaşı A.
European Scientific Journal, vol.1, no.1, pp.130-138, 2014 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Fluid Mechanics 8th Edition**
Pinarbaşı A.
Palme Yayın Dağıtım, Ankara, 2016
- II. **Thermodynamics an Engineering Approach 7th Ed.**
Pinarbaşı A.
Palme Yayın Dağıtım, Ankara, 2015
- III. **Thermodynamics an Engineering Approach 5th Ed.**
Pinarbaşı A. (Editor)
Güven Kitap Yayın Dağıtım, İzmir, 2009

Refereed Congress / Symposium Publications in Proceedings

- I. **COMPARISON OF TEST AND SIMULATION VALUES OF AIR CONSUMPTION IN PNEUMATIC CYLINDERS**
Okur Y. E., Pinarbaşı A.
5. International Mediterranean Scientific Research Congress, Mersin, Turkey, 13 - 14 January 2024, pp.373-374
- II. **INVESTIGATION THE EFFECT OF A DISTRIBUTOR USING A SUPERSONIC NOZZLE ON THE COOLING SYSTEM**
Coşar I., Pinarbaşı A.
3rd INTERNATIONAL CONFERENCE ON HEALTH, ENGINEERING AND APPLIED SCIENCES, Tirane, Albania, 17 - 19 November 2023, pp.1
- III. **Experimental and Numerical Investigation of the Discharge Valve Limiter Geometric Features Change on Compressor Thermal Efficiency**
Ekemen A., Pinarbaşı A., Şahin C., Yildirim A.
13th International Conference on Compressors and their Systems, London, England, 11 - 13 September 2023, pp.445-455
- IV. **Investigation of Thermodynamic Exhaust Line Losses of Hermetic Piston Compressor by FSI Method**
Bacak A., Pinarbaşı A.
1st International Conference on Trends in Advanced Research, Konya, Turkey, 4 - 07 March 2023, pp.345-353
- V. **Numerical Investigation of Aerodynamic Analysis on Passenger Vehicle**
Pinar C. G., Coşar İ., Uzun S., Cebeci A., Ersoy M. A., Pinarbaşı A.
International Conference on Automotive and Mechanical Engineering, İstanbul, Turkey, 27 - 28 June 2022, vol.1, no.1, pp.1
- VI. **EKSPONANSİYEL POLİNOM BAZLI WENO ŞEMASI İLE EULER GAZ DİNAMİĞİ DENKLEMLERİNİN SAYISAL ÇÖZÜMÜ**
Yılmaz E., Pinarbaşı A.
3. uluslararası mühendislik bilimleri ve multidisipliner yaklaşımlar kongresi, İstanbul, Turkey, 10 - 11 February 2022, vol.1, no.1, pp.497-504
- VII. **Flow Rate Increase In The Forward Curved Centrifugal Fan Using Cfd Simulations**
Özerk K., Pinarbaşı A.
5th International Conference On Advances In Mechanical Engineering , İstanbul, Turkey, 17 - 19 December 2019, pp.1-10
- VIII. **Discussions on Critical Velocity in Tunnel Fires**
Tunç Ö., Hataysal E., Doğan A., Pinarbaşı A.
5th International Conference On Advances In Mechanical Engineering, İstanbul, Turkey, 17 - 19 December 2019, vol.1, no.1, pp.1125-1129
- IX. **Effects Of Thermal Load And Excess Air Coefficient On Combustion Products In A Natural Gas-Fired Burner-Boiler**
Cellek M. S., Pinarbaşı A.
5th International Conference On Advances In Mechanical Engineering , İstanbul, Turkey, 17 - 19 December 2019, pp.1-5
- X. **Organic Rankine Cycles For Natural Gas Fired Engine Waste Heat Recovery Using Both Exhaust Gas And Jacket Water Heat Sources**
Doğan A., Kayaci N., Pinarbaşı A.
CTST'19 22th Congress of Thermal Sciences and Technology, Kocaeli, Turkey, 11 - 14 September 2019, pp.1-7
- XI. **Investigation of Ammonia (R717) Condensation Heat Transfer and Pressure Drop in Horizontal Tube**
Bacak A., Pinarbaşı A., Onbaşıoğlu H.
14. ULUSAL TESİSAT MÜHENDİSLİĞİ KONGRESİ, İzmir, Turkey, 17 - 20 April 2019, vol.1, no.1, pp.597-604
- XII. **Thermodynamic Analyses and Optimization Study Of Organic Rankine Cycle Usage with Internal Combustion Engine Waste Heat**
Talu Y. E., PINARBAŞI A., DOĞAN A., Ulusoy I.

Eregli International Science and Academic Congress, Konya, Turkey, 09 March 2019, vol.1, no.1, pp.73-83

- XIII. **Numerical Investigation of Acoustics Performance of Low- Pressure Ducted Axial Fan by Using Different Turbulence Models**
Bacak A., Pinarbaşı A.
3rd International Conference on Computational Mathematics and Engineering Sciences, Girne, Cyprus (Kkctc), 4 - 08 May 2018, pp.1-8
- XIV. **Numerical Investigation of Axial Fan Acoustic Performance**
Bacak A., Pinarbaşı A.
4.. ULUSLARARASI KATILIMLI ANADOLU ENERJİ SEMPOZYUMU 18--20 NİSAN 2018 TRAKYA ÜNİVERSİTESİ, Edirne, Turkey, 18 April 2018, pp.1-6
- XV. **Experimental end numerical investigation of squeezing efficiency at washing machines**
Pinarbaşı A., Doğan A., Sevindir M. K., Teke İ.
3rd INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017, İstanbul, Turkey, 21 December 2017, pp.1-9
- XVI. **REVIEW OF LITERATURE STUDY FOR LOUVERED FIN HEAT EXCHANGERS**
ÖZTÜRK M., PINARBAŞI A.
INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING, 25 April - 28 December 2017, pp.871-886
- XVII. **Computational investigation of heat transfer and pressure drop in a typical louver fin-and-tube heat exchanger for various louver angles and fin pitches**
Okbaz A., Olcay A. B. R., Celtek M. S., PINARBAŞI A.
11th International Conference on Experimental Fluid Mechanics (EFM), Marienbad, Czech Republic, 15 - 18 November 2016, vol.143
- XVIII. **Effects of H₂ enrichment on performance and emission characteristics of an industrial low swirl burner while burning hydrocarbons**
CELLEK M. S., PINARBAŞI A.
ICES, 21 - 23 December 2016
- XIX. **3D Computational Analysis Of Thermal&hydraulic Performance Of Louvered Fin Heat Exchanger With Variable Louver Angle And Louver Pitch**
PINARBAŞI A., OLCAY B.
ASME (IMECE), Phoenix, United States Of America, 16 November 2016, vol.1, no.1, pp.1-12
- XX. **3D Computational Analysis of Thermal Hydraulic Performance of Louvered Fin Heat Exchangers**
OKBAZ A., CELLEK M. S., OLCAY A. B., PINARBAŞI A.
International Conference on Computing Techniques and Mechanical Engineering, 18 - 21 October 2016
- XXI. **2-d Numerical Investigation On The Effects Of Blade Number On The Centrifugal Blower**
Pinarbaşı A., Engin T.
Conference On Advances In Mechanical Engineering, İstanbul, Turkey, 11 - 13 May 2016, pp.1-6
- XXII. **Numerical investigation of enhancing thermo hydraulic performance of solar air heaters provided with artificial roughness elements**
OKBAZ A., OLCAY A. B., PINARBAŞI A.
International Journal of Art end Science Conference, 16 - 20 March 2015
- XXIII. **Designing A Louvered Fin Heat Exchanger via Computational Fluid Dynamics Method**
OLCAY B., PINARBAŞI A.
International Journal of Arts & Sciences, 01 June 2015
- XXIV. **Numerical Investigation of Fin Rows Number Effects on Thermal and Hydraulic Characteristics of Louvered Fin Heat Exchangers for Experimental Designs**
OKBAZ A., OLCAY A. B., PINARBAŞI A.
EFM 2014 : Experimental Fluid Mechanics 2014, Cesky Krumlo, Czech Republic, 18 November 2014, vol.1, pp.393-399
- XXV. **Experimental investigation of the flow structure around a model land vehicle**
Pinarbaşı A.

- X. Ulusal Tesisat Mühendisliği Kongresi, İzmir, İzmir, Turkey, 11 - 16 April 2011, pp.1-5
- XXVI. **Investigation of Flow Structure on Ahmed Model**
Pinarbaşı A.
III. Ulusal Havacılık ve Uzay Konferansı Anadolu Üniversitesi, Eskişehir, Eskişehir, Turkey, 16 - 18 September 2010, pp.1-8
- XXVII. **The Effect of The Arterial Stenoses to The Pressure Loss**
Pinarbaşı A.
Ulusal Biyomekanik Kongresi, Erzurum, Turkey, 16 - 17 October 2008, pp.563-572
- XXVIII. **Effect of different wing structures in mixer tanks**
Pinarbaşı A.
TIBTK Trabzon, Trabzon, Turkey, 7 - 09 September 2005, pp.1-5
- XXIX. **Numerical analysis of the flow in the conical and parallel wall compressor diffuser**
Pinarbaşı A.
TIBTK Trabzon, Trabzon, Turkey, 7 - 09 September 2005, pp.1-6
- XXX. **Optimum Distance Investigation for Target Flow Meter**
Pinarbaşı A.
I. Ege Enerji Sempozyumu ve Sergisi, Pamukkale Üniversitesi, Denizli, Turkey, 6 - 08 May 2003, pp.1-6
- XXXI. **CFD Investigation of Different Wing Structures in Mixer Tanks**
Pinarbaşı A.
IV. Ege Enerji Sempozyumu, İZMİR, İzmir, Turkey, 6 - 09 May 2003, pp.1-5
- XXXII. **Numerical Flow Investigation of Centrifugal Compressor**
Pinarbaşı A.
I. Ege Enerji Sempozyumu ve Sergisi, Pamukkale Üniversitesi, Denizli, Turkey, 6 - 09 May 2003, pp.1-10
- XXXIII. **3-D Flow Analysis of Diffuser at Turbocharger Output**
Pinarbaşı A.
1.Uluslar arası Otomotiv Teknolojisi Kongresi, Adana, Adana, Turkey, 3 - 06 June 2002, pp.1-5
- XXXIV. **Laminar Flow Computation Through Vascular Tube Construction**
PINARBAŞI A.
6th Biennial Conference on Engineering Systems Design and Analysis, İstanbul, 01 May 2002
- XXXV. **A study to determine the effect of thermal insulation in buildings on energy saving by thermal camera**
Pinarbaşı A.
İç Anadolu Enerji Forumu, Kayseri, Turkey, 7 - 09 March 2002, pp.1-6
- XXXVI. **On the Onset and Development of Rotating Stall within a Vaned Diffuser of a Centrifugal Pump**
PINARBAŞI A.
ASME/JSME Fluids Engineering Summer Meeting, Boston, USA, 01 July 2000
- XXXVII. **Flow Investigation in a Single Stage Turbine Cascade**
PINARBAŞI A.
ASME/JSME Fluids Engineering Summer Meeting, San Francisco, 01 April 1999
- XXXVIII. **Turbulence and 3-D Flow Measurements in a Centrifugal Pump Impeller**
PINARBAŞI A.
Thermal and Fluid Engineering Conference, Canada, Ontario, 01 June 1998
- XXXIX. **Diffuser Design in Low Speed Centrifugal Compressors**
Pinarbaşı A.
2.Ulusal Havacılık Sempozyumu, Kayseri, Kayseri, Turkey, 4 - 06 February 1997, pp.1-5
- XL. **A Reynolds Stress Analysis Within a Centrifugal Compressor Vaned Diffuser**
PINARBAŞI A.
ASME International Gas Turbine and Aeroengine Congress and Exposition, Birmingham, England, 01 May 1996
- XLI. **A study of Reynolds Stress Dissipation and Loss Generation in a Centrifugal Compressor Vaneless Diffuser**
PINARBAŞI A.

- ASME International Gas Turbine and Aeroengine Congress and Exposition, Houston, USA, 01 July 1995
- XLII. **Experimental Flow Investigation in a Centrifugal Compressor Vaned Diffuser**
PINARBAŞI A.
ASME International Gas Turbine and Aeroengine Congress and Exposition, Houston, USA, 01 July 1995
- XLIII. **A Phase Lock Loop Data Acquisition Procedure for Reynolds Stress Tensor Measurements in a Centrifugal Compressor Vaneless and Vaned Diffusers**
PINARBAŞI A.
The Second International Conference on Fluid Dynamics Measurements and it's Application, Beijing, China, 01 August 1994
- XLIV. **Off Design Reynolds Stress Tensor Measurements in a Centrifugal Compressor Vaneless Diffuser**
PINARBAŞI A.
Proc. ASME Winter Annual Conference, Chicago, 01 June 1994
- XLV. **Energy Economy in Drying**
Pinarbaşı A.
Isı Bilim Tekniği Kongresi, İZMİR, İzmir, Turkey, 7 - 10 February 1989, pp.1-6

Supported Projects

- Pinarbaşı A., Industrial Thesis Project, The effect of thermal and hydraulic performance on heat exchanger fin geometries (FRITERM), 2014 - 2016
- PINARBAŞI A., TUBITAK Project, Hassas Döküm İçin Alçı Pişirilmesinde Kullanılan Fırınlarda Oluşan Baca Gazlarının Minimum Seviyeye İndirme Çalışmaları ve Parametrelerinin Geliştirilmesi (Teknik Döküm ve Tic. A.Ş.), 2014 - 2015
- PINARBAŞI A., Industrial Thesis Project, Yıkayıcılarda daha düşük devirlerde maksimum sıkma veriminin elde edilmesi (ARÇELİK), 2013 - 2015
- PINARBAŞI A., TUBITAK Project, Üçgen Kanallarda Delta-Kanat Tipi Girdap Üreticiler Çevresindeki Hidrodinamik-Isıl Alanların Etkileşiminin Sayısal Modellenmesi, 2012 - 2014
- PINARBAŞI A., Other International Funding Programs, Boundary Layer transition on flat plates, 2011 - 2011
- PINARBAŞI A., İstihdam Garantili Doğalgaz kaynakçılığı ve tesisatçılık eğitimi projesi, 2009 - 2010
- PINARBAŞI A., Other International Funding Programs, Düşük hızlı santrifüj kompresör rotorunda 3-D akış yapısının nümerik incelemesi, 2008 - 2010
- PINARBAŞI A., Other International Funding Programs, Düşük hızlı santrifüj kompresörlerde 3-D akış analizi, 2005 - 2006
- PINARBAŞI A., Other International Funding Programs, Santrifüj pompalardaki durgunluğun nümerik incelenmesi, 2003 - 2005
- PINARBAŞI A., Other International Funding Programs, Turbulence and Complex Flow Phenomena in Axial Turbomachines, 1999 - 2000
- PINARBAŞI A., Other International Funding Programs, Türbin-Kompresör Çiftinde Kullanılan Difüzör Üzerinde 3-Boyutlu Akış İncelenmesi, 1997 - 1999
- PINARBAŞI A., Other International Funding Programs, The Flow in the Conical Diffuser Downstream of a Commercial Radial Turbine, 1996 - 1996

Activities in Scientific Journals

Mühendis ve Makina, Publication Committee Member, 2010 - Continues

Scientific Consultations

SİGMA, Scientific Consultancy, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey, 2024 - Continues

EDİS, Scientific Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey, 2024 - Continues

Pleksan, Project Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey, 2022 - Continues

Frigoblock Soğutma Sistemleri Sanayi ve Ticaret A.Ş , Project Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey, 2021 - Continues

Tanpera Teknoloji ve Endüstriyel Ürünler A.Ş., Project Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey, 2019 - 2019

Teknik Döküm, Project Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey, 2015 - 2016

Metrics

Publication: 74

Citation (WoS): 201

Citation (Scopus): 350

H-Index (WoS): 7

H-Index (Scopus): 10

Congress and Symposium Activities

IMECE Asme, Attendee, Arizona, United States Of America, 2016

Turkish Society of Thermal Sciences and Technology, Moderator, Sivas, Turkey, 2009

Awards

Pinarbaşı A., Best translation book by The Turkish Academy of Sciences for Thermodynamics book, Tüba, Türkiye Bilimler Akademisi, September 2010