

Prof. İRFAN KARAGÖZ

Personal Information

Email: karagoz@uludag.edu.tr

Web: <https://avesis.uludag.edu.tr/karagoz>

International Researcher IDs

ScholarID: 2YvzUaYAAAAJ

ORCID: 0000-0002-7442-2746

Publons / Web Of Science ResearcherID: AAB-9388-2020

ScopusID: 56785809700

Yoksis Researcher ID: 31157

Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Makine Mühendisliği (Dr), Turkey 1987 - 1991

Postgraduate, Von Karman Institute, Fluid Mechanics, Belgium 1988 - 1989

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, FEN BİLİMLERİ ENSTİTÜSÜ, Turkey 1984 - 1986

Undergraduate, Bursa Uludağ University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, Turkey 1978 - 1983

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Yüksek basınç ve sıcaklık iç balistik sistemlerinde sesaltı ve sesüstü akışların matematik modellenmesi, 1991

Postgraduate, Periodic Flow in Branching Pipes, Von Karman Institute, 1989

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 2002 - Continues

Associate Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 1996 - 2002

Assistant Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 1992 - 1996

Lecturer, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 1990 - 1992

Research Assistant, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 1984 - 1990

Academic and Administrative Experience

Fakülte Kurulu Üyesi, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 2016 - 2022

Vice Rector, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 2011 - 2015

Dean, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 2010 - 2011

Deputy Head of Department, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 2009 - 2010

Member of the Senate, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 2003 - 2006

Courses

Sayısal Analiz, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

AKIŞKANLAR MEKANİĞİ, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023

Machine Design, Undergraduate, 2023 - 2024, 2022 - 2023

AKIŞKANLAR MEKANİĞİ, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023

SAYISAL ANALİZ, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

HİDROLİK MAKİNALAR, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Machine Design, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Akışkanlar Mekaniği, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Mühendislik Proje Yönetimi, Undergraduate, 2022 - 2023

Numerical Analysis, Undergraduate, 2021 - 2022

Mühendislik Sistem Tasarımı, Undergraduate, 2022 - 2023

Mühendislik Sistem Tasarımı, Undergraduate, 2022 - 2023

Project management, Undergraduate, 2022 - 2023

VİSKOZ AKIŞLAR, Postgraduate, 2017 - 2018, 2016 - 2017

Türbülans ve Türbülans Modelleri, Doctorate, 2017 - 2018, 2016 - 2017

MÜHENDİSLİKTE SAYISAL YÖNTEMLER, Postgraduate, 2017 - 2018, 2016 - 2017

Advising Theses

Karagöz İ., Rüzgar Enerjisi Sistemleri İçin Biyomimetik Kanat Tasarımı, Performans Analizi ve Optimizasyonu, Doctorate, M.ERMAN(Student), 2023

Karagöz İ., BİO ESİNLENMELİ KANAT MODELİNDE AERODİNAMİK KARAKTERİSTİKLERİN İNCELENMESİ, Doctorate, N.AYDIN(Student), 2021

Karagöz İ., Ekstra çıkışlı ve rezervuarlı bir PEM yakıt hücresi kanalındaki damlacık hareketlerinin vof yöntemi ile incelenmesi, Postgraduate, A.GÖKSEL(Student), 2021

KARAGÖZ İ., Bio inspired channel design and optimization intended for water and heat management in pem fuel cells, Doctorate, E.Çelik(Student), 2020

KARAGÖZ İ., Spar type floating offshore wind turbine (S-FOWT) modeling and comparative analysis of efficiency in CFD environment, Postgraduate, M.Yanya(Student), 2020

KARAGÖZ İ., Numerical investigation of performance parameters in axial cyclone separato, Postgraduate, E.Oruç(Student), 2020

KARAGÖZ İ., Influences of geometrical and operational factors on proton exchange membrane (pem) fuel cell performance and design of a new flow field, Postgraduate, S.Küpeli(Student), 2020

KARAGÖZ İ., Improving the efficiency on gerotor type pumps by optimization between rotor-stator set and pump body, Postgraduate, E.Keyif(Student), 2019

KARAGÖZ İ., Design and experimental investigation of a virtual body mini classifier cyclone separator, Postgraduate, M.ERMAN(Student), 2017

KARAGÖZ İ., Modelling of two phase turbulent flows in cyclone separators and performance analysis, Doctorate, A.SAKİN(Student), 2017

KARAGÖZ İ., Determination of the optimum insulation thickness under various factors depending on the wall orientation for a model building in Bursa, Postgraduate, E.ARSLAN(Student), 2017

KARAGÖZ İ., Parametric investigation of two phase swirling flows and development of cyclone separators, Doctorate, F.TAN(Student), 2016

KARAGÖZ İ., Cooling of LEDs in automobile lighting units with forced convection, Postgraduate, M.EMRE(Student), 2013

KARAGÖZ İ., Design of high efficient cyclone and experimental investigation its performance, Postgraduate, Ö.ŞENDOĞAN(Student), 2012

KARAGÖZ İ., Design and CFD analysis of axial turbines, Postgraduate, R.KABA(Student), 2011

KARAGÖZ İ., Visibility in a dust layer under influence of air jet and examination of particle motion, Postgraduate, E.ÇELİK(Student), 2011

KARAGÖZ İ., The development of data acquisition systems for wind turbines, Postgraduate, H.ÇİFTÇİ(Student), 2010

KARAGÖZ İ., Mathematical modelling and numerical solution of gas-particle two phase swirling flow, Postgraduate, M.TEKE(Student), 2010

KARAGÖZ İ., Analysis of confined swirling flows under geometrical and operational parameters, Doctorate, F.KAYA(Student), 2009

KARAGÖZ İ., Research of the effects of surface roughness and losses on pumps's performance, Postgraduate, E.GÜLMEZ(Student), 2006

KARAGÖZ İ., Numerical investigation of the low characteristics of turbomachines, Postgraduate, M.NAZIM(Student), 2005

KARAGÖZ İ., Heat transfer and flow characteristics analysis at vortical flow, Postgraduate, İ.ERYILMAZ(Student), 2004

KARAGÖZ İ., Determination of flow field and heat transfer coefficient in cyclones, Postgraduate, O.HAKSAL(Student), 2003

KARAGÖZ İ., Investigation of flow and heat transfer characteristics in branching channels, Postgraduate, R.DEMİRCİ(Student), 2003

KARAGÖZ İ., Dynamic analysis of the fuel injection in internal combustion engines and its effects on engine performance, Postgraduate, A.KAMİL(Student), 2002

KARAGÖZ İ., Analysis of the cogeneration systems and SCADA application on a combined cycle power plant, Postgraduate, H.AKIN(Student), 2001

KARAGÖZ İ., Determination of the viscosities of liquids used in the production of polyurethane materials in industry and their effects on the performance of production machinery, Postgraduate, M.ÇELİK(Student), 1994

Jury Memberships

Committee Of Expert, Committee Of Expert, Bursa Uludağ University, November, 2024

Committee Of Expert, Committee Of Expert, Bursa Uludağ University, September, 2024

Committee Of Expert, Committee Of Expert, Bursa Uludağ University, August, 2024

Committee Of Expert, Committee Of Expert, Bursa Uludağ University, May, 2024

Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, March, 2022

Competition, TÜBA TEKNOFEST DOKTORA BİLİM ÖDÜLLERİ , Bursa Uludağ University, September, 2021

Competition, Tübitak öğrenci projeleri, Bursa Uludağ University, August, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Design of a biomimetic wing from maple samara and investigation of the aerodynamic performance**
Çalışkan M. E., Kaya F., Sabırlı M. U., Karagöz İ.
Physics of Fluids, vol.35, no.9, 2023 (SCI-Expanded)
- II. **An experimental study of the aerodynamic performance of a maple wing model at low Reynolds numbers**
Aydın N., Çalışkan M. E., Sabırlı M. U., Karagöz İ.
MECHANICS RESEARCH COMMUNICATIONS, vol.130, 2023 (SCI-Expanded)
- III. **Investigation of the effects of intermediate reservoirs and intermediate feedings applications on the performance of proton exchange membrane fuel cells**

- Celik E., Karagöz İ.
Fuel, vol.339, 2023 (SCI-Expanded)
- IV. **Investigation of water motion in a fuel cell channel with a reservoir**
Altintas A. G., Celik E., Karagöz İ.
Journal of Cleaner Production, vol.342, 2022 (SCI-Expanded)
- V. **Performance assessment of a four-pass serpentine proton exchange membrane fuel cell with non-humidified cathode and cell state estimation without special measurement**
Celik E., Karagöz İ.
International Journal of Hydrogen Energy, vol.47, pp.9382-9394, 2022 (SCI-Expanded)
- VI. **Response of a proton exchange membrane fuel cell to step changes in mass flow rates**
Kupeli S., Celik E., Karagöz İ.
FUEL CELLS, vol.21, no.4, pp.338-346, 2021 (SCI-Expanded)
- VII. **NUMERICAL INVESTIGATION OF HEAT AND FLOW CHARACTERISTICS IN A LAMINAR FLOW PAST TWO TANDEM CYLINDERS**
Aydın N., Ozalp A., Karagöz İ.
THERMAL SCIENCE, vol.25, no.4, pp.2807-2818, 2021 (SCI-Expanded)
- VIII. **Polymer electrolyte membrane fuel cell flow field designs and approaches for performance enhancement**
Celik E., Karagöz İ.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART A-JOURNAL OF POWER AND ENERGY, vol.234, no.8, pp.1189-1214, 2020 (SCI-Expanded)
- IX. **Investigation into the effects of various parameters on the performance and classification potential of a cyclone classifier**
Caliskan M. E., Karagöz İ., Avcı A., Sürmen A.
POWDER TECHNOLOGY, vol.356, pp.102-111, 2019 (SCI-Expanded)
- X. **A new explicit friction factor formula for laminar, transition and turbulent flows in smooth and rough pipes**
Avcı A., Karagoz İ.
EUROPEAN JOURNAL OF MECHANICS B-FLUIDS, vol.78, pp.182-187, 2019 (SCI-Expanded)
- XI. **Effects of separation space diameter on the performance of a novel reverse flow cyclone**
Sakin A., KARAGÖZ İ., AVCI A.
SEPARATION SCIENCE AND TECHNOLOGY, vol.54, no.15, pp.2450-2460, 2019 (SCI-Expanded)
- XII. **Performance analysis of axial and reverse flow cyclone separators**
Sakin A., KARAGÖZ İ., AVCI A.
CHEMICAL ENGINEERING AND PROCESSING-PROCESS INTENSIFICATION, vol.144, 2019 (SCI-Expanded)
- XIII. **An experimental investigation into the particle classification capability of a novel cyclone separator**
Caliskan M. E., KARAGÖZ İ., AVCI A., SÜRMEN A.
SEPARATION AND PURIFICATION TECHNOLOGY, vol.209, pp.908-913, 2019 (SCI-Expanded)
- XIV. **An investigation into the use of a cyclone separator in the intake air system and its influence on the engine performance**
Sakin A., KARAGÖZ İ., Ergul M., Demirtas U., Savas F. H.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART D-JOURNAL OF AUTOMOBILE ENGINEERING, vol.232, no.5, pp.667-678, 2018 (SCI-Expanded)
- XV. **NUMERICAL PREDICTION OF SHORT-CUT FLOWS IN GAS-SOLID REVERSE FLOW CYCLONE SEPARATORS**
Sakin A., KARAGÖZ İ.
CHEMICAL INDUSTRY & CHEMICAL ENGINEERING QUARTERLY, vol.23, no.4, pp.483-493, 2017 (SCI-Expanded)
- XVI. **Development of a variable-profile cam to enhance the volumetric efficiency of IC engines**
SÜRMEN A., ARSLAN R., KOPMAZ O., AVCI A., KARAGÖZ İ., KARAMANGİL M. İ.
INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol.73, pp.63-75, 2017 (SCI-Expanded)
- XVII. **Effects of Geometrical Parameters on the Pressure Drop for a Modified Cyclone Separator**

- Tan F., KARAGÖZ İ., AVCI A.
CHEMICAL ENGINEERING & TECHNOLOGY, vol.39, no.3, pp.576-581, 2016 (SCI-Expanded)
- XVIII. **The Effects of Vortex Finder Dimensions on the Natural Vortex Length in a New Cyclone Separator**
Tan F., KARAGÖZ İ., AVCI A.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.203, no.9, pp.1216-1221, 2016 (SCI-Expanded)
- XIX. **Experimental investigation into performance characteristics of reversed flow cyclone separators**
Sendogan O., KARAGÖZ İ., AVCI A., SÜRMEŒ A.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.6, pp.339-349, 2014 (SCI-Expanded)
- XX. **Design and performance evaluation of a new cyclone separator**
KARAGÖZ İ., AVCI A., SÜRMEŒ A., Sendogan O.
JOURNAL OF AEROSOL SCIENCE, vol.59, pp.57-64, 2013 (SCI-Expanded)
- XXI. **Development of a new method for evaluating vortex length in reversed flow cyclone separators**
AVCI A., KARAGÖZ İ., SÜRMEŒ A.
POWDER TECHNOLOGY, vol.235, pp.460-466, 2013 (SCI-Expanded)
- XXII. **Experimental Investigation of the Natural Vortex Length in Tangential Inlet Cyclones**
AVCI A., KARAGÖZ İ., SÜRMEŒ A., Camuz I.
SEPARATION SCIENCE AND TECHNOLOGY, vol.48, no.1, pp.122-126, 2013 (SCI-Expanded)
- XXIII. **Experimental and numerical investigation of pressure drop coefficient and static pressure difference in a tangential inlet cyclone separator**
Kaya F., KARAGÖZ İ.
CHEMICAL PAPERS, vol.66, no.11, pp.1019-1025, 2012 (SCI-Expanded)
- XXIV. **Closure to "Discussion: 'A Novel Explicit Equation for Friction Factor in Smooth and Rough Pipes' "**
(2011, ASME J. Fluids Eng., 133, p. 015501)
KARAGÖZ İ., AVCI A.
JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, vol.133, no.1, 2011 (SCI-Expanded)
- XXV. **Effects of Surface Roughness on the Performance of Tangential Inlet Cyclone Separators**
Kaya F., KARAGÖZ İ., AVCI A.
AEROSOL SCIENCE AND TECHNOLOGY, vol.45, no.8, pp.988-995, 2011 (SCI-Expanded)
- XXVI. **Usability of cyclone separators as air filters in vehicles**
KARAGÖZ İ., Kaya F., AVCI A.
INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol.52, pp.133-143, 2010 (SCI-Expanded)
- XXVII. **Numerical investigation of performance characteristics of a cyclone prolonged with a dipleg**
Kaya F., KARAGÖZ İ.
CHEMICAL ENGINEERING JOURNAL, vol.151, pp.39-45, 2009 (SCI-Expanded)
- XXVIII. **A Novel Explicit Equation for Friction Factor in Smooth and Rough Pipes**
AVCI A., KARAGÖZ İ.
JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, vol.131, no.6, 2009 (SCI-Expanded)
- XXIX. **Evaluations of Turbulence Models for Highly Swirling Flows in Cyclones**
Karagoz İ., Kaya F.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, vol.43, no.2, pp.111-129, 2009 (SCI-Expanded)
- XXX. **Performance analysis of numerical schemes in highly swirling turbulent flows in cyclones**
Kaya F., Karagoz İ.
CURRENT SCIENCE, vol.94, no.10, pp.1273-1278, 2008 (SCI-Expanded)
- XXXI. **CFD investigation of the flow and heat transfer characteristics in a tangential inlet cyclone**
Karagoz İ., Kaya F.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.34, pp.1119-1126, 2007 (SCI-Expanded)
- XXXII. **Modelling of the pressure drop in tangential inlet cyclone separators**
Karagoz İ., Avci A.
AEROSOL SCIENCE AND TECHNOLOGY, vol.39, no.9, pp.857-865, 2005 (SCI-Expanded)
- XXXIII. **Effects of flow and geometrical parameters on the collection efficiency in cyclone separators**
Avci A., Karagoz İ.

- JOURNAL OF AEROSOL SCIENCE, vol.34, no.7, pp.937-955, 2003 (SCI-Expanded)
- XXXIV. **Variation of momentum and thermal boundary layers for oscillatory flows in a channel**
Karagoz İ.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.28, no.3, pp.379-388, 2001 (SCI-Expanded)
- XXXV. **Theoretical investigation of pressure losses in cyclone separators**
Avcı A., Karagoz İ.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.28, no.1, pp.107-117, 2001 (SCI-Expanded)
- XXXVI. **Theoretical and experimental investigation of effect of valve timing on volumetric efficiency in an IC engine**
Arslan R., Karagoz İ., Surmen A.
INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol.26, pp.298-307, 2001 (SCI-Expanded)
- XXXVII. **A mathematical model for the determination of a cyclone performance**
Avcı A., Karagoz İ.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.27, no.2, pp.263-272, 2000 (SCI-Expanded)
- XXXVIII. **An investigation of external flows with various pressures and surfaces**
Umur H., Karagoz İ.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.26, no.3, pp.411-419, 1999 (SCI-Expanded)
- XXXIX. **EXPERIMENTAL INVESTIGATION OF PERIODIC-FLOW IN BRANCHING PIPES**
KARAGOZ İ.
FLOW MEASUREMENT AND INSTRUMENTATION, vol.4, no.3, pp.163-169, 1993 (SCI-Expanded)

Articles Published in Other Journals

- I. **Numerical simulation of flow over NACA 0015 airfoil with different turbulence models**
Aydın N., Çalışkan M. E., Karagöz İ.
International Journal of Energy Applications and Technologies, vol.7, no.2, pp.42-49, 2020 (Peer-Reviewed Journal)
- II. **Design and Performance Analysis of Virtual Body Mini Cyclone**
Çalışkan M. E., Karagöz İ., Avcı A., Sürmen A.
International journal of Research Science and Management, vol.12, no.4, pp.57-65, 2017 (Peer-Reviewed Journal)
- III. **A Computational Comparison of Flow and Pressure fields in Axial and Reverse Flow Cyclone Separators**
SAKİN A., KARAGÖZ İ., AVCI A.
International Journal of Computational and Experimental Science and Engineering (IJCESEN), vol.3, no.2, pp.20-25, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Hidrolik Makineler**
KARAGÖZ İ.
Medyay, Bursa, 2022
- II. **Sayısal Analiz ve Mühendislik Uygulamaları**
Karagöz İ.
Dora, Bursa, 2017
- III. **Sayısal Analiz ve Mühendislik Uygulamaları**

Karagöz İ.

Nobel Yayın Dağıtım, Ankara, 2014

IV. **Sayısal Analiz ve Mühendislik Uygulamaları**

KARAGÖZ İ.

VİPAŞ A.Ş., Bursa, 2001

Refereed Congress / Symposium Publications in Proceedings

- I. **Organic Rankine Cycle (ORC) in Waste Heat Recovery Systems (WHRS) - A Literature Mini-Review**
Turşucular E., KARAGÖZ İ.
4th International Symposium of Scientific Research and Innovative Studies, Turkey, 13 March 2024, pp.303-311
- II. **SCANNING PROTOTYPING PROCESSES WITH A THREE-DIMENSIONAL PRINTER FOR MODELING A NEW AERODYNAMIC WING**
AYDIN N., KARAGÖZ İ.
5TH INTERNATIONAL ICONTECH CONFERENCE ON INNOVATIVE SURVEYS IN POSITIVE SCIENCES held on February 5-6, 2022 / Sanliurfa, Turkey, Şanlıurfa, Turkey, 05 February 2022
- III. **INVESTIGATION OF THE EFFECTS OF HELIX ANGLE AND INLET VELOCITY ON COLLECTION EFFICIENCY IN AN AXIAL CYCLONE SEPARATOR**
ORUÇ E., KARAGÖZ İ.
10th International Automotive Technologies Congress, Bursa, Turkey, 06 September 2021, pp.1556
- IV. **NUMERICAL SOLUTION OF WATER DROPLET MOTION IN A FUEL CELL CHANNEL WITH TWO OUTLETS USING VOF METHOD**
Altıntaş A. G., Çelik E., Karagöz İ.
10th International Automotive Technologies Congress, Bursa, Turkey, 6 - 07 September 2021, pp.1642-1652
- V. **THREE DIMENSIONEL MODELLING AND PARAMETRIC ANALYSIS OF A PEM FUEL CELL WITH A SERPENTINE FLOW CHANNEL**
Kupeli S., ÇELİK E., KARAGÖZ İ.
ISPEC 6th INTERNATIONAL CONFERENCE ON ENGINEERING NATURAL SCIENCES, 24 - 26 January 2020
- VI. **A STUDY ON A NEW BIO-INSPIRED WING DESIGN AND 2D ANALYSIS OF ITS AERODYNAMIC CHARACTERISTICS**
AYDIN N., KARAGÖZ İ., ÇALIŞKAN M. E.
6th INTERNATIONAL CONFERENCE ON ENGINEERING NATURAL SCIENCES January 24-26, 2020 / SANLIURFA, TURKEY, 24 - 26 January 2020
- VII. **NUMERICAL SIMULATION OF FLOW OVER DIFFERENT TYPES OF AIRFOILS**
AYDIN N., ÇALIŞKAN M. E., KARAGÖZ İ.
8TH INTERNATIONAL CONFERENCE ON ADVANCED TECHNOLOGIES, SARAJEVO (ICAT'19), Sarajevo, Bosnia And Herzegovina, 26 - 30 August 2019
- VIII. **An Experimental Study on Cyclone Particle Classifier**
ÇALIŞKAN M. E., KARAGÖZ İ., AVCI A., SÜRME N. A.
International Congress on Engineering and Life Science, 26 - 29 April 2018
- IX. **An Overview of Biologically Inspired Engineering on Wing Design**
GÜNEŞ N., KARAGÖZ İ.
INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE, KASTAMONU, Kastamonu, Turkey, 26 - 29 April 2018
- X. **Determination of Optimum Insulation Thickness on Different Wall Orientations in a Hot Climate**
Arslan E., KARAGÖZ İ.
3rd International Sustainable Buildings Symposium (ISBS), U ARAB EMIRATES, 15 - 17 March 2017, vol.7, pp.145-157
- XI. **Design and Performance Analysis of a Virtual Body Mini Cyclone**
Çalışkan M. E., KARAGÖZ İ., AVCI A., SÜRME N. A.

8th International Advanced Technologies Symposium, 19 - 22 October 2017

- XII. **The Effects of Reynolds Number on the laminar flow past two tandem cylinders with High Blockage in a Channel**
KARAGÖZ İ., GÜNEŞ N., ÖZALP A. A.
8th INTERNATIONAL ADVANCEDTECHNOLOGIES SYMPOSIUM, Elazığ, Turkey, 19 - 22 October 2017
- XIII. **Investigation of Particle Entrainment Characteristics of a Swirl Jet Impinging on Granular Layers**
KARAGÖZ İ., ÇELİK E.
8th International Advanced Technologies Symposium, 19 - 22 October 2017
- XIV. **TÜRKİYE'DE GÜNEŞ ENERJİSİ VE BURSA İLİÇİN BİR UYGULAMA**
GÜNEŞ N., KARAGÖZ İ.
TESKON 2017 / TERMODİNAMİK SEMPOZYUMU, İZMİR, İzmir, Turkey, 19 - 22 April 2017
- XV. **A Review on Novel Flow Field Designs for PEM Fuel Cells and Systematic Comparison of Designs**
ÇELİK E., KARAGÖZ İ.
2nd International Hydrogen Technologies Congress, Adana, Turkey, 15 - 18 March 2017
- XVI. **Two New Bio-inspired Distributed and One Side Inlet Honeycomb Flow Field Designs for PEM Fuel Cells and Performance Investigation of Models via CFD Tools**
ÇELİK E., KARAGÖZ İ.
2nd International Hydrogen Technologies Congress, Adana, Turkey, 15 - 18 March 2017
- XVII. **Pem Yakıt Pillerinde Su Yönetimi ve Performans Artırmaya Yönelik Akış Alanı ve Gaz Dağıtım Kanalı Kesiti Tasarımlarındaki Gelişmelerin İncelenmesi**
ÇELİK E., KARAGÖZ İ.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), 26 - 28 October 2016, pp.3589-3599
- XVIII. **A Computational Comparison of Flow and Pressure Fields in Axial and Reverse Flow Cyclone Separators**
sakin a., KARAGÖZ İ., AVCI A.
International Journal of Computational and Experimental Science and Engineering (IJCESN), 19 - 24 October 2016
- XIX. **a computational comparison of flow and pressure fields in axial and reverse flow cyclone separator**
sakin a., KARAGÖZ İ., AVCI A.
3. international conference on computational and experimental science and engineering, Antalya, Turkey, 19 - 24 October 2016, pp.345
- XX. **Sydney girdaplı yakıcıdaki izotermal akışın nümerik olarak incelenmesi**
Teke M., Karagöz İ.
20. ULUSAL ISI BİLİMİ ve TEKNİĞİ KONGRESİ, Balıkesir, Turkey, 2 - 05 September 2015, pp.71
- XXI. **A NUMERICAL STUDY ON THE EFFECTS OF SURFACE ROUGHNESS FOR A NEW CYCLONE FILTER**
Tan F., KARAGÖZ İ., AVCI A.
ICENS2015, Bosnia And Herzegovina, 16 - 19 May 2016, pp.238
- XXII. **Study on Improving the Thermal Performance of the Solar Chimney System with using Fresnel Lenses**
Tan F., KARAGÖZ İ., AVCI A.
International Conference on Engineering and Natural Sciences, 15 - 19 May 2015, pp.239
- XXIII. **Effects of Inlet Geometry on the Pressure Drop and Collection Efficiency of Tangential Inlet Cyclones**
Teke M., Karagoz İ.
10th ASME Biennial Conference on Engineering Systems Design and Analysis, İstanbul, Turkey, 12 - 24 July 2010, pp.493-500
- XXIV. **Eklem Sıvısı Viskozitesinin Mekanik Yağlar İle Benzeşimi**
Yıldız H., Yazıcı M., Yıldız B., Karagöz İ.
I. Ulusal Veteriner Anatomi Kongresi, Bursa, Turkey, 26 - 29 September 2002, pp.1
- XXV. **Yüzeye Monte Edilmiş Blok Üzerinden Olan Akışın ve Sıcaklık Dağılımının Üç Boyutlu Simülasyonu**
PULAT E., ÖGE A. İ., KARAGÖZ İ.

- ULIBTK'99 12. Ulusal Isı Bilimi ve Tekniđi Kongresi, Sakarya, Turkey, 28 - 29 February 2000, vol.1, pp.365-371
- XXVI. **Kanallarda Sinüsoidal Akışta Konvektif Isı Transferi**
KARAGÖZ İ., UMUR H., PULAT E.
ULIBTK'97 11. Ulusal Isı Bilimi ve Tekniđi Kongresi, Edirne, Turkey, 17 - 19 September 1997, vol.2, pp.873-882
- XXVII. **Emme Supaplarında Debi Katsayısı Deđişimlerinin Deneysel İncelenmesi**
ARSLAN R., KARAGÖZ İ., AVCI A.
Beşinci Yanma Sempozyumu, Turkey, 21 - 23 July 1997, pp.245-254
- XXVIII. **Application of the PIDV technique to unsteady flows**
KARAGÖZ İ., SÜRMEN A.
Proceedings of the 1992 Engineering Systems Design and Analysis Conference, İstanbul, Turkey, 29 June - 03 July 1992, vol.47, pp.137-142

Supported Projects

- Karagöz İ., TUBITAK Project, Bursa Uludağ Üniversitesi - TUSAŞ Sanayi Doktora Programı, 2019 - 2027
- Karagöz İ., Horizon Europe Project, Digital SMEs for Sustainable World, 2022 - 2025
- Karagöz İ., Çalışkan M. E., TUBITAK Project, Kanat Yapıları Geliştirilmesi Ve Kurulacak Bir Su Tünelinde Gerekli Testlerinin Yapılması, 2024 - 2024
- Karagöz İ., Project Supported by Other Private Institutions, Kanatlarda Aktif/Pasif Akış Kontrolü ile KanatAerodinamik Performans Parametrelerininİyileştirilmesi, 2023 - 2024
- Karagöz İ., Oruç E., Sabırlı M. Ü., Çalışkan M. E., Çalışkan M. E., Çalışkan M. E., Project Supported by Higher Education Institutions, Biyonomik kanat geliştirilmesi ve karışık akışlı rüzgar türbinlerine uygulaması, 2022 - 2024
- Karagöz İ., Development Agency, Ulutek Hızlı Prototipleme Merkezi, 2021 - 2023
- Karagöz İ., Avcı A., Project Supported by Other Private Institutions, Yüksek Verimlilikli Kompakt Vorteks Tüp İmalatı, 2021 - 2022
- KARAGÖZ İ., TUBITAK Project, Pem Yakıt Pilleri İçin Ara Rezervuarlı Ve İkincil Sıvı Tahliye Hatlı Bipolar Plaka Ve Çok Noktadan Beslemeli Ve Toplamalı Aktif Denetimli Biyo Benzeşimli Bipolar Plaka Geliştirilmesi, 2018 - 2020
- KARAGÖZ İ., Project Supported by Higher Education Institutions, PEM Yakıt Pilleri için Su ve Isı Yönetimine Yönelik Biyo Benzeşimli Hibrit Kanal Geometrisi Tasarımı ve Optimizasyonu, 2016 - 2020
- KARAGÖZ İ., YEMENİCİ O., Project Supported by Higher Education Institutions, Kanat Profilleri Etrafındaki Akış ve Isı Transferinin İncelenmesi, 2013 - 2016
- Karagöz İ., TUBITAK Project, ENDÜSTRİYEL DARBE EMİCİLER İÇİN YENİ SÖNÜMLEMEELEMANI TASARIMI VE ÜRETİMİ, 2013 - 2014
- Karagöz İ., TUBITAK Project, TUBİTAK 1001-109M161, 2009 - 2012
- KARAGÖZ İ., TUBITAK Project, M 2007 29 BAP, 2007 - 2009
- Karamangil M. İ., Sürmen A., Karagöz İ., Avcı A., Kopmaz O., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Benzin Motorlarında Yeni Bir Kam Geliştirilmesi, 1995 - 1999

Patent

- Karagöz İ., Çelik E., BAL PETEĐİ REZERVUARLI VE YÜZEYE YAYILMIŞ REAKTANT BESLEME DÜZENİNE SAHİP BİR AKIŞ ALANI PLAKASI VE BUNA HAİZ BİR YAKIT HÜCRESİ, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: TR 2021 005212 B , Standard Registration, 2023
- Karagöz İ., Çelik E., ARA REZERVUARLARA, ÇOK NOKTALI BESLEMeye VE İKİNCİL SIVI BOŞALTMA KANALLARINA SAHİP YAKIT HÜCRESİ, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: TR 2021 004685 B , Standard Registration, 2022
- Karagöz İ., Çelik E., A flow field plate has honeycomb reservoirs and a reactant feed order spread over surface, and a fuel cell with it, Patent, CHAPTER A Human Needs, The Invention Recourse Number: PCT/TR2022/050253 , Standard Registration, 2022

Karagöz İ., Çelik E., Fuel Cell Having Intermediate Reservoirs, Multi-Point Feed, and Secondary Liquid Discharge Passages, Patent, CHAPTER A Human Needs, The Invention Recourse Number: TR2022/050230 , Standard Registration, 2022

Sürmen A., Avcı A., Karagöz İ., ÇOK FAZLI AKIŞKANLAR İÇİN PARTİKÜL SINIFLAYICI, Patent, CHAPTER B Implementation of Operations; Transport, The Invention Registration Number: 2017/05307 , Standard Registration, 2020

Sürmen A., Avcı A., Karagöz İ., Kopmaz O., Arslan R., Karamangil M. İ., EĞRİSEL YÜZEYLİ DEĞİŞKEN ZAMANLAMALI KAM, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: TR2013 13298B , Standard Registration, 2019

Avcı A., Sürmen A., Karagöz İ., Gövde ve girdap sınırlayıcı boyu ayarlanabilir siklon ayırıcı, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: 2012/05043 , Standard Registration, 2014

Scientific Refereeing

PHYSICS OF FLUIDS, SCI Journal, November 2024

Niğde, National Scientific Refreed Journal, July 2024

POWDER TECHNOLOGY, SCI Journal, April 2024

INTERNATIONAL JOURNAL OF AEROSPACE ENGINEERING, SCI Journal, April 2024

PHYSICS OF FLUIDS, SCI Journal, January 2024

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, November 2023

POWDER TECHNOLOGY, SCI Journal, November 2023

AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, SCI Journal, November 2023

PHYSICS OF FLUIDS, SCI Journal, November 2023

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, National Scientific Refreed Journal, October 2023

PHYSICS OF FLUIDS, SCI Journal, October 2023

Frontiers in Energy Research, SCI Journal, September 2023

JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, SCI Journal, June 2023

THE SCIENCE OF THE TOTAL ENVIRONMENT AN INTERNATIONAL JOURNAL FOR SCIENTIFIC RESEARCH INTO THE ENVIRONMENT AND ITS RELATIONSHIP WITH MAN, SCI Journal, May 2023

JOURNAL OF FLUIDS ENGINEERING, TRANSACTIONS OF THE ASME, SCI Journal, April 2023

Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, January 2023

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, National Scientific Refreed Journal, October 2022

POWDER TECHNOLOGY, SCI Journal, August 2022

ENERGY EFFICIENCY, SCI Journal, April 2022

CHEMICAL ENGINEERING AND PROCESSING, SCI Journal, March 2022

SCIENTIFIC REPORTS, SCI Journal, March 2022

SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, December 2021

HEAT AND MASS TRANSFER, SCI Journal, November 2021

International Conference on Advances in Engineering, Architecture, Science and Technology (ICA-EAST 2021), Conference Paper (Abstract), November 2021

ACS OMEGA, SCI Journal, October 2021

JOURNAL OF HAZARDOUS MATERIALS, SCI Journal, October 2021

SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, SCI Journal, September 2021

JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, SCI Journal, July 2021

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART D-JOURNAL OF AUTOMOBILE ENGINEERING, SCI Journal, March 2021

REVISTA MEXICANA DE INGENIERIA QUIMICA, SCI Journal, March 2021

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ Üniversitesi, Turkey, March 2021

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ Üniversitesi, Turkey, March 2021
INTERNATIONAL JOURNAL OF GREEN ENERGY, SCI Journal, February 2021
Powder Technology, SCI Journal, January 2021

Scientific Consultations

Teknofest, Project Consultancy, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey, 2024 -
Continues

Tasks In Event Organizations

Karagöz İ., 17th International Combustion Symposium, Scientific Congress, Bursa, Turkey, Eylül 2024
Karagöz İ., International Conference on Advances in Engineering, Architecture, Science and Technology (ICA-EAST
2021), Scientific Congress, Erzurum, Turkey, Aralık 2021

Metrics

Publication: 76
Citation (WoS): 902
Citation (Scopus): 1014
H-Index (WoS): 14
H-Index (Scopus): 14

Scholarships

Doktora bursu, YOK, 1989 - 1990
Master bursu, University, 1988 - 1989

Non Academic Experience

Technology Development Zone, Ulutek, ulutek
Saylan Hassas Makinalar Sanayi