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Kişisel Bilgiler

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Yoksis Araştırmacı ID: 143866

Eğitim Bilgileri

Doktora, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Enerji (Dr), Türkiye 2004 - 2010

Yüksek Lisans, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Enerji (YI) (Tezli), Türkiye 2001 - 2004

Lisans, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Türkiye 1993 - 1999

Yaptığı Tezler

Doktora, Investigation of thermophysical properties of nanofluids, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Enerji (Dr), 2010

Yüksek Lisans, A study on hot wire method of measuring thermal conductivity, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Enerji (YI) (Tezli), 2004

Araştırma Alanları

Makina Mühendisliği, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2022 - Devam Ediyor

Doç. Dr., Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2016 - 2022

Yrd. Doç. Dr., Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2011 - 2016

Araştırma Görevlisi, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2002 - 2011

Akademik İdari Deneyim

Fakülte Yönetim Kurulu Üyesi, Dokuz Eylül Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2019 - 2022

Verdiği Dersler

Technical English II, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022
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MSc Thesis, Yüksek Lisans, 2022 - 2023, 2021 - 2022
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Yönetilen Tezler

Turgut A., Performance enhancement of a Darrieus type vertical axis wind turbine pair for different proximities and tip-speed ratios: An experimental analysis, Doktora, İ.KÖKEY(Öğrenci), 2023
Turgut A., Investigation of photothermal radiometry method for thermal characterization of polymer composites, Doktora, H.DOĞACAN(Öğrenci), 2023
Turgut A., Numerical investigation of magnetic nanofluid based single phase natural circulation loop, Yüksek Lisans, S.CAN(Öğrenci), 2022
Turgut A., Design and implementation of a 3D Helmholtz coil system, Yüksek Lisans, R.ALSANÇUR(Öğrenci), 2022
TURGUT A., Effects of filler type and morphology on thermoplastic nanocomposites: Thermal, electrical and mechanical properties, Doktora, T.EVGİN(Öğrenci), 2020
TURGUT A., Design and control of a valveless micropump, Doktora, S.DOĞANAY(Öğrenci), 2020
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TURGUT A., Measuring the temperature dependent thermal conductivity of multiwall carbon nanotubes based nanolubricants by 3 omega method, Yüksek Lisans, A.KAREEM(Öğrenci), 2018
TURGUT A., Fotovoltaik güç santrallerinin tekno-ekonomik analizi: Türkiye örneği, Yüksek Lisans, M.ÇEKİRDEK(Öğrenci), 2017
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TURGUT A., Elektronik sistemlerin nanoakışkan ile soğutulması, Yüksek Lisans, E.ELBASAN(Öğrenci), 2016
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TURGUT A., Nanoakışkanların viskozitelerinin incelenmesi, Yüksek Lisans, Ş.SAĞLANMAK(Öğrenci), 2015
TURGUT A., Investigation on thermal performance of a closed loop mini thermosyphon system working with nanofluid, Yüksek Lisans, S.DOĞANAY(Öğrenci), 2014
TURGUT A., Exergy analysis of wind power system: A case study of Izmir, Turkey, Yüksek Lisans, İ.KÖKEY(Öğrenci), 2014

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- I. **Magnetic field dependent thermal conductivity investigation of water based Fe₃O₄/CNT and Fe₃O₄/graphene magnetic hybrid nanofluids using a Helmholtz coil system setup**
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- II. **A comprehensive study on the thermal and electrical conductivity of EPDM composites with hybrid carbon fillers**
Koca H. D., Turgut A., Evgin T., Ateş İ., Chirtoc M., Šlouf M., Omastova M.
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- III. **3D Helmholtz coil system setup for thermal conductivity measurements of magnetic nanofluids**
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- IV. **Investigation of external magnetic field effect on the performance of ferrofluid-based single-phase natural circulation loops**
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- V. **Constant flow rate micropumping using closed-loop control of magnetically actuated nanofluid**
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- VI. **Stability, rheology, and thermophysical properties of surfactant free aqueous single-walled carbon nanotubes and graphene nanoplatelets nanofluids: a comparative study**
Alyamac-Seydibeyoglu E., Fidan-Aslan T., TURGUT A., SEYDİBEYOĞLU M. Ö.
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- VII. **Size effect of hybrid carbon nanofillers on the synergetic enhancement of the properties of HDPE-based nanocomposites**
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- VIII. **Magnetization behaviour of Fe₃O₄-water and gamma-Fe₂O₃-water magnetic nanofluids**
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- IX. **A rotating permanent magnetic actuator for micropumping devices with magnetic nanofluids**
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- X. **Nanofluid figure-of-merits to assess thermal efficiency of a flat plate solar collector**
ELÇİOĞLU E. B., Genc A. M., KARADENİZ Z. H., EZAN M. A., TURGUT A.
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- XI. **Size effects of graphene nanoplatelets on the properties of high-density polyethylene nanocomposites: morphological, thermal, electrical, and mechanical characterization**
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- XII. **Effect of external magnetic field on thermal conductivity and viscosity of magnetic nanofluids: a review**
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MATERIALS RESEARCH EXPRESS, cilt.6, sa.11, 2019 (SCI-Expanded)
- XIII. **Morphological, electrical, mechanical and thermal properties of high-density polyethylene/multiwall carbon nanotube nanocomposites: effect of aspect ratio**
EVGİN T., TURGUT A., Slouf M., Spitalsky Z., Micusik M., SARIKANAT M., Nogellova Z., Novak I., Omastova M.
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- XIV. **The contact angle of nanofluids as thermophysical property**
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- XV. **Magnetic field dependent thermal conductivity measurements of magnetic nanofluids by 3 omega method**
Doganay S., TURGUT A., ÇETİN L.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.474, ss.199-206, 2019 (SCI-Expanded)
- XVI. **Effect of particle size on the viscosity of nanofluids: A review**
Koca H. D., Doganay S., TURGUT A., Tavman I. H., Saidur R., Mahbulul I. M.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.82, ss.1664-1674, 2018 (SCI-Expanded)
- XVII. **Thermal performance of a nanofluid-based flat plate solar collector: A transient numerical study**
Genc A. M., EZAN M. A., TURGUT A.
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- XVIII. **Re-dispersion ability of multi wall carbon nanotubes within low viscous mineral oil**
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- XIX. **Experimental study and Taguchi Analysis on alumina-water nanofluid viscosity**
Elcioglu E. B., GÜVENÇ YAZICIOĞLU A., TURGUT A., Anagun A. S.
APPLIED THERMAL ENGINEERING, cilt.128, ss.973-981, 2018 (SCI-Expanded)
- XX. **Investigation of Thermal Properties of High-Density Polyethylene/Aluminum Nanocomposites by Photothermal Infrared Radiometry**
Koca H. D., Evgin T., Horny N., Chirtoc M., TURGUT A., Tavman I. H.
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- XXI. **Thermal characteristics and performance of Ag-water nanofluid: Application to natural circulation loops**
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- XXII. **Effect of aspect ratio on thermal conductivity of high density polyethylene/multi-walled carbon nanotubes nanocomposites**
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- XXIII. **Numerical study on nanofluid based single phase natural circulation mini loops: A steady 3D approach**
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- XXIV. **EXPERIMENTAL INVESTIGATION ON THERMAL CONDUCTIVITY AND VISCOSITY OF NANOFUIDS: PARTICLE SIZE EFFECT**
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- XXV. **Graphite nanoplates loading into eutectic mixture of Adipic acid and Sebacic acid as phase change material**
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- XXVI. **Experimental investigation on effect of ultrasonication duration on colloidal dispersion and thermophysical properties of alumina-water nanofluid**
Mahbulul I. M., Shahrul I. M., Khaleduzzaman S. S., Saidur R., Amalina M. A., TURGUT A.
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- XXVII. **Thermal properties of myristic acid/graphite nanoplates composite phase change materials**
Ince S., SEKİ Y., EZAN M. A., TURGUT A., EREK A.
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- XXVIII. **Enhanced effectiveness of nanofluid based natural circulation mini loop**
Doganay S., TURGUT A.
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- XXIX. **Development and evaluation of graphite nanoplate (GNP)-based phase change material for energy storage applications**
SEKİ Y., Ince S., EZAN M. A., TURGUT A., EREK A.
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- XXX. **Thermal performance of a single phase natural circulation mini loop working with nanofluid**
TURGUT A., Doganay S.
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- XXXI. **Thermal-Diffusivity Measurements of Conductive Composites Based on EVA Copolymer Filled With Expanded and Unexpanded Graphite**
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- XXXII. **Electrical and mechanical properties of expanded graphite/high density polyethylene nanocomposites**
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- XXXIII. **Preparation and photothermal characterization of nanocomposites based on high density polyethylene filled with expanded and unexpanded graphite: Particle size and shape effects**
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- XXXIV. **Photothermal Characterization of Nanocomposites Based on High Density Polyethylene (HDPE) Filled with Expanded Graphite**
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- XXXV. **THE EFFECTS OF TEMPERATURE AND MUSCLE COMPOSITION ON THE THERMAL CONDUCTIVITY OF FROZEN MEATS**
KUMCUOĞLU S., TURGUT A., TAVMAN Ş.
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- XXXVI. **Experimental Study on Thermal Conductivity and Viscosity of Water-Based Nanofluids**
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- XXXVII. **Thermal Conductivity and Viscosity Measurements of Water-Based TiO₂ Nanofluids**
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- XXXVIII. **MEASUREMENT OF THERMAL CONDUCTIVITY OF EDIBLE OILS USING TRANSIENT HOT WIRE METHOD**
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Eşli Çalışan Düşey Eksenli Türbin Performansının İki Boyutlu Benzetimi**
Akgül U., KÖKEY İ., TURGUT A., KARADENİZ Z. H.
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- II. **Numerical analysis of performance uncertainty of heat exchangers operated with nanofluids**
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- III. **Eşli Çalışan Düşey Eksenli Rüzgâr Türbinlerinin Yarı Karmaşık Bir Sahadaki Yıllık Enerji Üretimini Değerlendirilmesi**
Başer F. C., Kökey İ., KARADENİZ Z. H., TURGUT A.
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- IV. **NANOAKIŞKAN İÇEREN TEK FAZLI MİNİ DOĞAL TAŞINIM DÖNGÜLERİNİN SAYISAL OLARAK İNCELENMESİ**
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- V. **Preparation and mechanical properties of graphite filled HDPE nanocomposites**
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- VI. **Measurement of heat capacity and thermal conductivity of HDPE/expanded graphite nanocomposites by differential scanning calorimetry**
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- VII. **Measurement of heat capacity and thermal conductivity of HDPE/expanded graphite nanocomposites by differential scanning calorimetry**
Tavman I., AYDOĞDU Y., Kök M., TURGUT A., EZAN A. C.
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- VIII. **Preparation and characterization of highly electrically and thermally conductive polymeric nanocomposites**
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- IX. **Experimental Investigation Of Viscosity And Thermal Conductivity Of Suspensions Containing Nanosized Ceramic Particles**
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Kitap & Kitap Bölümleri

- I. **Chapter 11 Photothermal spectroscopy of polymer nanocomposites**
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Ferrofluid Droplet Robot Manipulation Using Rule-Based Control Strategy**
Türkmen G. A., DOĞANAY S., ÇETİN L., TURGUT A.
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- II. **Electrical and Thermal Properties of Elastomer Nanocomposites with Hybrid Carbon Based-Nanofillers**
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- III. **THE EFFECT OF PERMANENT MAGNET LOCATION ON THE PERFORMANCE OF FERROFLUID BASED SPNCmL**
BOZKIR S. C., ÇOBANOĞLU N., DOĞANAY S., KARADENİZ Z. H., TURGUT A.
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- IV. **3D Helmholtz Coil System Design for Measuring the Thermal Conductivity of Magnetic Nanofluids**
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- V. **Uncertainty estimates for nanofluid heat exchanger design**
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- VI. **The Numerical Investigation on Natural Convection Effects in Single-Phase Natural Circulation Mini Loops**
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- VII. **Graphene nanoplatelet nanofluids thermal and hydrodynamic performances revisited**
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- VIII. **THE SIZE EFFECT OF CARBON NANOFILLERS ON THE THERMAL CONDUCTIVITY OF HDPE-BASED HYBRID NANOCOMPOSITES**
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- IX. **Magnetic Field Distributions inside Magnetically Driven Nanofluids for Thermal Management of CPUs**
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- X. **Magnetization Behavior of Fe₃O₄ – Water and Fe₂O₃ – Water Magnetic Nanofluids**
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- XI. **Solar Radiation Harvesting via Flat Plate Collectors: Nanofluid Figure of Merit against Thermal Efficiency**
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