

Prof. ALPASLAN TURGUT

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: I-2796-2013

ScopusID: 23981271100

Yoksis Researcher ID: 143866

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Enerji (Dr), Turkey 2004 - 2010

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Enerji (YI) (Tezli), Turkey 2001 - 2004

Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1993 - 1999

Dissertations

Doctorate, Investigation of thermophysical properties of nanofluids, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Enerji (Dr), 2010

Postgraduate, A study on hot wire method of measuring thermal conductivity, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Enerji (YI) (Tezli), 2004

Research Areas

Mechanical Engineering, Engineering and Technology

Academic Titles / Tasks

Professor, Dokuz Eylul University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2022 - Continues

Associate Professor, Dokuz Eylul University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2016 - 2022

Assistant Professor, Dokuz Eylul University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2011 - 2016

Research Assistant, Dokuz Eylul University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2002 - 2011

Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Dokuz Eylul University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2019 - 2022

Courses

Technical English II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Technical English I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019,
2017 - 2018, 2016 - 2017, 2015 - 2016
Doktora Uzmanlık, Doctorate, 2022 - 2023, 2021 - 2022
ENERJİ YÖNETİMİ ESASLARI, Undergraduate, 2023 - 2024, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
ISITMA HAVALANDIRMA SİSTEMLERİ, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 -
2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2012 - 2013, 2011 - 2012
Isıtma Havalandırma Sistemleri, Undergraduate, 2021 - 2022
PhD Thesis, Doctorate, 2022 - 2023, 2021 - 2022
PhD Thesis, Doctorate, 2022 - 2023, 2021 - 2022
MSc Thesis, Postgraduate, 2022 - 2023, 2021 - 2022
MSc Thesis, Postgraduate, 2022 - 2023, 2021 - 2022
Isıtma Havalandırma Sistemleri (İkinci öğretim), Undergraduate, 2021 - 2022
Technical English II (İkinci öğretim), Undergraduate, 2021 - 2022

Advising Theses

Turgut A., Performance enhancement of a Darrieus type vertical axis wind turbine pair for different proximities and tip-speed ratios: An experimental analysis, Doctorate, İ.KÖKEY(Student), 2023
Turgut A., Investigation of photothermal radiometry method for thermal characterization of polymer composites, Doctorate, H.DOĞACAN(Student), 2023
Turgut A., Manyetik nanoakışkan bazlı tek fazlı doğal taşınım döngüsünün sayısal incelenmesi, Postgraduate, S.CAN(Student), 2022
Turgut A., 3B Helmholtz bobin sisteminin tasarımları ve uygulanması, Postgraduate, R.ALSANĞUR(Student), 2022
TURGUT A., Dolgu maddesi tipi ve morfolojisinin termoplastik nanokompozitlere etkileri: Isıl, elektriksel ve mekanik özellikler, Doctorate, T.EVGİN(Student), 2020
TURGUT A., Valfsız mikropompa tasarımları ve kontrolü, Doctorate, S.DOĞANAY(Student), 2020
TURGUT A., Design of vertical axis wind turbine with variable pitch angle, Postgraduate, R.ALMAZ(Student), 2020
TURGUT A., Darrieus tipi bir rüzgar turbininin art izi karakteristiklerinin incelenmesi, Postgraduate, E.BAYTEKİN(Student), 2019
TURGUT A., Çok katmanlı karbon nanotüp bazlı yağlayıcıların sıcaklığı bağlı isıl iletkenliğinin 3 omega yöntemi ile ölçümü, Postgraduate, A.KAREEM(Student), 2018
TURGUT A., Techno-economic analyses of photovoltaic power plants: A case study of Turkey, Postgraduate, M.ÇEKİRDEK(Student), 2017
TURGUT A., Nanoakışkan bazlı düzlemsel güneş toplayıcının isıl performansının sayısal analizi, Postgraduate, A.METE(Student), 2017
TURGUT A., Experimental and numerical investigation of surfactant effects on the thermal conductivity of carbon nanotube nanofluids, Postgraduate, E.DURSUNKAYA(Student), 2016
TURGUT A., Ag-su nanoakışkanın isıl performansının deneySEL incelenmesi, Postgraduate, H.DOĞACAN(Student), 2016
TURGUT A., Cooling electronics with nanofluid, Postgraduate, E.ELBASAN(Student), 2016
TURGUT A., Design of Darrieus type wind turbine, Postgraduate, O.ŞAMDAN(Student), 2016
TURGUT A., Dikey eksenli rüzgar turbinlerinde kanat tipi ve veter uzunluğunun turbin performansına etkisinin sayısal incelenmesi, Postgraduate, A.MACİT(Student), 2015
TURGUT A., Investigation of the viscosity of nanofluids, Postgraduate, Ş.SAĞLANMAK(Student), 2015
TURGUT A., Nanoakışkan ile çalışan kapali döngü mini termosifon sistemin isıl performansının incelenmesi, Postgraduate, S.DOĞANAY(Student), 2014
TURGUT A., Rüzgar güç sistemlerinin ekserji analizi: İzmir, Türkiye örneği, Postgraduate, İ.KÖKEY(Student), 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Magnetic field dependent thermal conductivity investigation of water based Fe3O4/CNT and Fe3O4/graphene magnetic hybrid nanofluids using a Helmholtz coil system setup**
Alsangur R., Doganay S., Ates İ., TURGUT A., Cetin L., Rebay M.
Diamond and Related Materials, vol.141, 2024 (SCI-Expanded)
- 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.
DIAMOND AND RELATED MATERIALS, vol.139, pp.110289, 2023 (SCI-Expanded)
- III. **3D Helmholtz coil system setup for thermal conductivity measurements of magnetic nanofluids**
Alsangur R., Doğanay S., Ates I., TURGUT A., Cetin L.
Mechatronics, vol.94, 2023 (SCI-Expanded)
- IV. **Investigation of external magnetic field effect on the performance of ferrofluid-based single-phase natural circulation loops**
Bozkır S. C., Çobanoğlu N., Doğanay S., Karadeniz Z. H., Elcioğlu E. B., TURGUT A.
Thermal Science and Engineering Progress, vol.42, 2023 (SCI-Expanded)
- V. **Constant flow rate micropumping using closed-loop control of magnetically actuated nanofluid**
Doğanay S., Çetin L., EZAN M. A., TURGUT A.
Transactions of the Institute of Measurement and Control, vol.45, no.8, pp.1558-1569, 2023 (SCI-Expanded)
- 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.
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.44, no.2, pp.299-308, 2023 (SCI-Expanded)
- VII. **Size effect of hybrid carbon nanofillers on the synergetic enhancement of the properties of HDPE-based nanocomposites**
EVGİN T., TURGUT A., Hamaoui G., Spitalsky Z., Horny N., ALTAY L., Chirtoc M., Omastova M.
NANOTECHNOLOGY, vol.32, no.31, 2021 (SCI-Expanded)
- VIII. **Magnetization behaviour of Fe3O4-water and gamma-Fe2O3-water magnetic nanofluids**
Alsangur R., DOĞANAY S., TURGUT A., ÇETİN L.
HIGH TEMPERATURES-HIGH PRESSURES, vol.50, no.6, pp.385-394, 2021 (SCI-Expanded)
- IX. **A rotating permanent magnetic actuator for micropumping devices with magnetic nanofluids**
Doganay S., ÇETİN L., EZAN M. A., TURGUT A.
JOURNAL OF MICROMECHANICS AND MICROENGINEERING, vol.30, no.7, 2020 (SCI-Expanded)
- 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.
ENERGY CONVERSION AND MANAGEMENT, vol.204, 2020 (SCI-Expanded)
- XI. **Size effects of graphene nanoplatelets on the properties of high-density polyethylene nanocomposites: morphological, thermal, electrical, and mechanical characterization**
EVGİN T., TURGUT A., Hamaoui G., Spitalsky Z., Horny N., Micusik M., Chirtoc M., SARIKANAT M., Omastova M.
BEILSTEIN JOURNAL OF NANOTECHNOLOGY, vol.11, pp.167-179, 2020 (SCI-Expanded)
- XII. **Effect of external magnetic field on thermal conductivity and viscosity of magnetic nanofluids: a review**
Doganay S., Alsangur R., TURGUT A.
MATERIALS RESEARCH EXPRESS, vol.6, no.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.
MATERIALS RESEARCH EXPRESS, vol.6, no.9, 2019 (SCI-Expanded)
- XIV. **The contact angle of nanofluids as thermophysical property**
Hernaiz M., Alonso V., Estelle P., Wu Z., Sundén B., Doretti L., Mancin S., Cobanoglu N., Karadeniz Z. H., Garmendia N., et al.

- JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.547, pp.393-406, 2019 (SCI-Expanded)
- 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, vol.474, pp.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., Mahbubul I. M.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.82, pp.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.
APPLIED THERMAL ENGINEERING, vol.130, pp.395-407, 2018 (SCI-Expanded)
- XVIII. **Re-dispersion ability of multi wall carbon nanotubes within low viscous mineral oil**
Alasli A., EVGİN T., TURGUT A.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.538, pp.219-228, 2018 (SCI-Expanded)
- XIX. **Experimental study and Taguchi Analysis on alumina-water nanofluid viscosity**
Elcioglu E. B., GÜVENÇ YAZİCIOĞLU A., TURGUT A., Anagun A. S.
APPLIED THERMAL ENGINEERING, vol.128, pp.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.
INTERNATIONAL JOURNAL OF THERMOPHYSICS, vol.38, no.12, 2017 (SCI-Expanded)
- XXI. **Thermal characteristics and performance of Ag-water nanofluid: Application to natural circulation loops**
Koca H. D., Doganay S., TURGUT A.
ENERGY CONVERSION AND MANAGEMENT, vol.135, pp.9-20, 2017 (SCI-Expanded)
- XXII. **Effect of aspect ratio on thermal conductivity of high density polyethylene/multi-walled carbon nanotubes nanocomposites**
EVGİN T., Koca H. D., Horny N., TURGUT A., Tavman I. H., Chirtoc M., Omastova M., Novak I.
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, vol.82, pp.208-213, 2016 (SCI-Expanded)
- XXIII. **Numerical study on nanofluid based single phase natural circulation mini loops: A steady 3D approach**
KARADENİZ Z. H., Doganay S., TURGUT A.
HIGH TEMPERATURES-HIGH PRESSURES, vol.45, no.4, pp.321-335, 2016 (SCI-Expanded)
- XXIV. **EXPERIMENTAL INVESTIGATION ON THERMAL CONDUCTIVITY AND VISCOSITY OF NANOFLOUDS: PARTICLE SIZE EFFECT**
TURGUT A., Saglanmak S., Doganay S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.1, pp.95-103, 2016 (SCI-Expanded)
- XXV. **Graphite nanoplates loading into eutectic mixture of Adipic acid and Sebacic acid as phase change material**
SEKİ Y., Ince S., EZAN M. A., TURGUT A., EREK A.
SOLAR ENERGY MATERIALS AND SOLAR CELLS, vol.140, pp.457-463, 2015 (SCI-Expanded)
- XXVI. **Experimental investigation on effect of ultrasonication duration on colloidal dispersion and thermophysical properties of alumina-water nanofluid**
Mahbubul I. M., Shahrul I. M., Khaleduzzaman S. S., Saidur R., Amalina M. A., TURGUT A.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.88, pp.73-81, 2015 (SCI-Expanded)
- XXVII. **Thermal properties of myristic acid/graphite nanoplates composite phase change materials**
Ince S., SEKİ Y., EZAN M. A., TURGUT A., EREK A.
RENEWABLE ENERGY, vol.75, pp.243-248, 2015 (SCI-Expanded)
- XXVIII. **Enhanced effectiveness of nanofluid based natural circulation mini loop**

- Doganay S., TURGUT A.
APPLIED THERMAL ENGINEERING, vol.75, pp.669-676, 2015 (SCI-Expanded)
- 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.
International Journal of Energy Research, vol.39, no.5, pp.696-708, 2015 (SCI-Expanded)
- XXX. Thermal performance of a single phase natural circulation mini loop working with nanofluid**
TURGUT A., Doganay S.
HIGH TEMPERATURES-HIGH PRESSURES, vol.43, no.4, pp.311-320, 2014 (SCI-Expanded)
- XXXI. Thermal-Diffusivity Measurements of Conductive Composites Based on EVA Copolymer Filled With Expanded and Unexpanded Graphite**
Tavman I. H., TURGUT A., da Fonseca H. M., Orlande H. R. B., Cotta R. M., Magalhaes M.
INTERNATIONAL JOURNAL OF THERMOPHYSICS, vol.34, no.12, pp.2297-2306, 2013 (SCI-Expanded)
- XXXII. Electrical and mechanical properties of expanded graphite/high density polyethylene nanocomposites**
SEVER K., Tavman I. H., SEKİ Y., TURGUT A., Omastova M., ÖZDEMİR İ.
COMPOSITES PART B-ENGINEERING, vol.53, pp.226-233, 2013 (SCI-Expanded)
- XXXIII. Preparation and photothermal characterization of nanocomposites based on high density polyethylene filled with expanded and unexpanded graphite: Particle size and shape effects**
Chirtoc M., Horny N., Tavman I., TURGUT A., Kokey I., Omastova M.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.62, pp.50-55, 2012 (SCI-Expanded)
- XXXIV. Photothermal Characterization of Nanocomposites Based on High Density Polyethylene (HDPE) Filled with Expanded Graphite**
Chirtoc M., Horny N., Henry J., TURGUT A., Kokey I., Tavman I., Omastova M.
INTERNATIONAL JOURNAL OF THERMOPHYSICS, vol.33, pp.2110-2117, 2012 (SCI-Expanded)
- XXXV. THE EFFECTS OF TEMPERATURE AND MUSCLE COMPOSITION ON THE THERMAL CONDUCTIVITY OF FROZEN MEATS**
KUMCUOĞLU S., TURGUT A., TAVMAN \$.
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.34, no.3, pp.425-438, 2010 (SCI-Expanded)
- XXXVI. Experimental Study on Thermal Conductivity and Viscosity of Water-Based Nanofluids**
Tavman I., TURGUT A., Chirtoc M., Hadjov K., Fudym O., TAVMAN \$.
HEAT TRANSFER RESEARCH, vol.41, no.3, pp.339-351, 2010 (SCI-Expanded)
- XXXVII. Thermal Conductivity and Viscosity Measurements of Water-Based TiO₂ Nanofluids**
TURGUT A., Tavman I., Chirtoc M., Schuchmann H. P., Sauter C., Tavman S.
INTERNATIONAL JOURNAL OF THERMOPHYSICS, vol.30, no.4, pp.1213-1226, 2009 (SCI-Expanded)
- XXXVIII. MEASUREMENT OF THERMAL CONDUCTIVITY OF EDIBLE OILS USING TRANSIENT HOT WIRE METHOD**
TURGUT A., Tavman I., TAVMAN \$.
INTERNATIONAL JOURNAL OF FOOD PROPERTIES, vol.12, no.4, pp.741-747, 2009 (SCI-Expanded)
- XXXIX. AC hot wire measurement of thermophysical properties of nanofluids with 3 omega method**
TURGUT A., Sauter C., Chirtoc M., Henry J. F., Tavman S., Tavman I., Pelzl J.
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, vol.153, pp.349-352, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. Two Dimensional Numerical Analysis of Dual Working Vertical Axis Wind Turbine Performances
Akgül U., KÖKEY İ., TURGUT A., KARADENİZ Z. H.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.25, no.73, pp.81-89, 2023 (Peer-Reviewed Journal)
- II. Numerical analysis of performance uncertainty of heat exchangers operated with nanofluids

- KAMENİK B., ELÇİOĞLU E. B., TURGUT A., MONDRAGON R., HERNANDEZ LOPEZ L., VALLEJO J. P., LUGO L., BUSCHMANN M. H., RAVNIK J.
 International Journal of Thermofluids, vol.14, 2022 (Peer-Reviewed Journal)
- III. **Eşli Çalışan Düşey Eksenli Rüzgâr Türbinlerinin Yarı Karmaşık Bir Sahadaki Yıllık Enerji Üretiminin Değerlendirilmesi**
 Başer F. C., Kökey İ., KARADENİZ Z. H., TURGUT A.
 Deu Mühendislik Fakultesi Fen ve Mühendislik, vol.22, 2020 (Peer-Reviewed Journal)
- IV. **NANOAKIŞKAN İÇEREN TEK FAZLI MİNİ DOĞAL TAŞINIM DÖNGÜLERİNİN SAYISAL OLARAK İNCELENMESİ**
 KARADENİZ Z. H., TURGUT A.
 Mühendis ve Makina, 2015 (Peer-Reviewed Journal)
- V. **Preparation and mechanical properties of graphite filled HDPE nanocomposites**
 SARIKANAT M., Sever K., Erbay E., Güner F., Tavman I., TURGUT A., SEKİ Y., Özdemir I.
 Archives of Materials Science and Engineering, vol.50, no.2, pp.120-124, 2011 (Scopus)
- VI. **Measurement of heat capacity and thermal conductivity of HDPE/expanded graphite nanocomposites by differential scanning calorimetry**
 TAVMAN İ. H., AYDOĞDU Y., KÖK M., TURGUT A., EZAN M. A.
 Archives of Materials Science and Engineering, vol.50, no.1, pp.56-60, 2011 (Peer-Reviewed Journal)
- 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.
 Archives of Materials Science and Engineering, vol.50, no.1, pp.56-60, 2011 (Scopus)
- VIII. **Preparation and characterization of highly electrically and thermally conductive polymeric nanocomposites**
 Tavman I., Çeçen V., Özdemir I., TURGUT A., Krupa I., Omastova M., Novak I.
 Archives of Materials Science and Engineering, vol.40, no.2, pp.84-88, 2009 (Scopus)
- IX. **Experimental Investigation Of Viscosity And Thermal Conductivity Of Suspensions Containing Nanosized Ceramic Particles**
 TAVMAN İ. H., TURGUT A., Chirtoc M., Schuchmann H., TAVMAN Ş.
 Archives of Materials Science and Engineering, vol.34, no.2, pp.99-104, 2008 (Scopus)

Books & Book Chapters

- I. **Chapter 11 Photothermal spectroscopy of polymer nanocomposites**
 Chirtoc M., Horny N., TAVMAN İ. H., TURGUT A.
 in: SPECTROSCOPY OF POLYMER NANOCOMPOSITES, , Editor, Elsevier, pp.312-361, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **Ferrofluid Droplet Robot Manipulation Using Rule-Based Control Strategy**
 Türkmen G. A., DOĞANAY S., ÇETİN L., TURGUT A.
 IEEE XVIIIth International Conference on the PERSPECTIVE TECHNOLOGIES AND METHODS IN MEMS DESIGN,
 Ukraine, 07 September 2022
- II. **Electrical and Thermal Properties of Elastomer Nanocomposites with Hybrid Carbon Based-Nanofillers**
 EVGİN T., KOCA H. D., Mičušk M., Preto J., TURGUT A., Omastová M.
 The 6th International Conference on Nanomaterials: Fundamentals and Applications, High Tatras, Slovakia, 16
 October 2022
- 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.

Int. Symp. on Convective Heat and Mass Transfer, İzmir, Turkey, 05 June 2022

IV. 3D Helmholtz Coil System Design for Measuring the Thermal Conductivity of Magnetic Nanofluids

Alsanğur R., DOĞANAY S., TURGUT A., ÇETİN L.

2021 IEEE 27th International Symposium for Design and Technology in Electronic Packaging (SIITME), Romania, 27 - 30 October 2021

V. Uncertainty estimates for nanofluid heat exchanger design

Kamenik B., ELÇİOĞLU E. B., TURGUT A., Mondragon R., Lopez L. H., Vallejo J. P., Lugo L., Buschmann M. H., Ravnik J. 3rd European Symposium on Nanofluids (ESNf), Iasi, Romania, 9 - 10 September 2021

VI. The Numerical Investigation on Natural Convection Effects in Single-Phase Natural Circulation Mini Loops

BOZKIR S. C., ÇOBANOĞLU N., DOĞANAY S., KARADENİZ Z. H., TURGUT A.

3rd European Symposium on Nanofluids (ESNf), Iasi, Romania, 9 - 10 September 2021

VII. Graphene nanoplatelet nanofluids thermal and hydrodynamic performances revisited

ELÇİOĞLU E. B., Kamenik B., TURGUT A., Mondragon R., Lopez L. H., Vallejo J. P., Lugo L., Buschmann M. H., Ravnik J. 3rd European Symposium on Nanofluids (ESNf), Iasi, Romania, 9 - 10 September 2021

VIII. THE SIZE EFFECT OF CARBON NANOFILLERS ON THE THERMAL CONDUCTIVITY OF HDPE-BASED HYBRID NANOCOMPOSITES

EVGİN T., TURGUT A., HAMAOUI G., HORNY N., Spitalsky Z., CHIRTOC M., Omastová M.

THERMAM 2020, 15 October 2020

IX. Magnetic Field Distributions inside Magnetically Driven Nanofluids for Thermal Management of CPUs

Doganay S., ÇETİN L., EZAN M. A., TURGUT A.

4th International Conference on Power, Energy and Mechanical Engineering (ICPEME) / 9th International Conference on Manufacturing Engineering and Processes (ICMEP), Budapest, Hungary, 14 - 17 February 2020, vol.162

X. Magnetization Behavior of Fe₃O₄ – Water and Fe₂O₃ – Water Magnetic Nanofluids

Alsanğur R., DOĞANAY S., TURGUT A., ÇETİN L.

6th Int. Conference: Thermophysical and Mechanical Properties of Advanced Materials (THERMAM), 22 - 24 September 2019

XI. Solar Radiation Harvesting via Flat Plate Collectors: Nanofluid Figure of Merit against Thermal Efficiency

Genç A. M., ELÇİOĞLU E. B., KARADENİZ Z. H., EZAN M. A., TURGUT A.

1st International Conference on Nanofluids (ICNf) and the 2nd European Symposium on Nanofluids (ESNf), Castello, Spain, 26 - 28 August 2019

XII. Carbon-based nanofluid applications in solar thermal energy

Çobanoglu N., Karadeniz Z. H., TURGUT A.

13th REHVA World Congress, CLIMA 2019, Bucharest, Romania, 26 - 29 May 2019, vol.111

XIII. Stability and Thermal Conductivity of Carbon-based Aqueous Nanofluids

Fidan Aslan T., Kandemir M., SEYDİBEYOĞLU M. Ö., TURGUT A., ALYAMAÇ SEYDİBEYOĞLU E.

1st International Conference on Nanofluids (ICNF 2019), Castello, Spain, 26 - 28 June 2019

XIV. Determination of the Magnetic Force Acting on Magnetic Nanofluids for MEMS Applications

DOĞANAY S., ÇETİN L., TURGUT A.

1st International Conference on Nanofluids (ICNf), 26 - 28 June 2019

XV. Immunity Enhancement to Electrochemical Effect in 3omega Hot Wire Method for Thermal Conductivity Measurement of Nanofluids

ATEŞ İ., TURGUT A., ÇETİN L., Chirtoc M.

1st International Conference on Nanofluids (ICNf), 26 - 28 June 2019

XVI. Synergy Effects of Graphene Nanoplatelets And Multiwalled Carbon Nanotubes on the Electrical Properties of Hdpe-Based Nanocomposites

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