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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Bölümü, Turkey 1999 - 2006

Postgraduate, Nigde Omer Halisdemir University, Institute Of Science, Makine Mühendisliği Bölümü, Turkey 1995 - 1997

Undergraduate, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1991 - 1995

Biography

Prof. Gungor received his Ph. D in mechanical engineering (Istanbul Technical University) in 2006. He is presently professor of mechanical engineering at Akdeniz University, Antalya TURKEY. Prof Gungor has edited 15 books, and has published more than 260 proceedings, and has published more than 110 papers in peer-reviewed international journals, in addition to more than 30 book chapters. In the last 2 years Prof. Gungor has applied to patent for 3 innovative projects. Prof Gungor was the founder Dean of Bucak Technology Faculty, Burdur Mehmet Akif Ersoy University, Burdur, TURKEY, his research interests include New and Renewable Energy Sources, Nanotechnology, Energy Conversion and Management, Simulation and Modeling of Energy Systems, Combustion and Gasification of Coal and Biomass in Fluidised Beds, Hydrogen Production and Purification in Gasification of Coal and Biomass, Solar Thermal Applications.

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Sirküasyonlu Akışkan Yataklı Yakıclların Modellenmesi, Istanbul Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Bölümü, 2006

Postgraduate, Dairesel İki-Fazlı Akışta Isı Transferinin Teorik Olarak İncelemesi, Nigde Omer Halisdemir University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Bölümü, 1997

Research Areas

Environmental Engineering, Environmental Technology, Information Systems, Communication and Control Engineering, Control and System Engineering, Simulation, Modelling and Identification, Computer Sciences, algorithms, Simulation and Modelling, Artificial Intelligence, Computer Learning and Pattern Recognition, Neural Networks, Software, Soft Computing, Chemical Engineering and Technology, Industrial Engineering , Production Planning and Control, Ergonomics and Occupational Safety, Engineering Economics, Quality and Reliability, Mechanical Engineering, Energy, Construction and Manufacturing, Machine Design, Thermodynamics, Engineering and Technology

Academic Titles / Tasks

Professor, Akdeniz University, Faculty of Engineering, Department of Mechanical Engineering, 2017 - Continues

Associate Professor, Akdeniz University, Faculty of Engineering, Department of Mechanical Engineering, 2012 - 2017

Assistant Professor, Nigde Omer Halisdemir University, Faculty Of Engineering, Department Of Mechanical Engineering, 2008 - 2011

Research Assistant, Istanbul Technical University, Makina Fakültesi, Makine Mühendisliği Bölümü, 1999 - 2008

Research Assistant, Nigde Omer Halisdemir University, Faculty Of Engineering, Department Of Mechanical Engineering, 1996 - 1999

Academic and Administrative Experience

Burdur Mehmet Akif Ersoy University, Bucak Teknoloji Fakültesi, 2018 - 2020

Akdeniz University, Temiz Enerji Araştırma Ve Uygulama Merkezi, 2016 - 2018

Akdeniz University, Temiz Enerji Araştırma Ve Uygulama Merkezi, 2012 - 2016

Akdeniz University, Faculty of Engineering, Makine Mühendisliği, 2012 - 2015

Supervised Theses

GÜNGÖR A., Bir klima sisteminin veriminin güneş enerjisi kullanılarak artırılması, Postgraduate, H.İkbal(Student), 2016

GÜNGÖR A., 0,4 MW trijenerasyon sisteminin modellenmesi, motor seçimi ve verim analizleri, Postgraduate,

E.Yazman(Student), 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A comprehensive overview of refrigerants from the past to the modern day: energy, exergy, and environmental perspectives**
Yıldırım R., Akyüz A., Kumaş K., Tuncer A. D., GÜNGÖR A.
Journal of Thermal Analysis and Calorimetry, 2025 (SCI-Expanded)
- II. **Study of biocapacity areas to reduce ecological footprint deficits: A case study of Turkey**
Peñe İ., Çeşmeli M. Ş., Kumaş K., Akyüz A., Tuncer A. D., GÜNGÖR A.
Science of the Total Environment, vol.932, 2024 (SCI-Expanded)
- III. **Investigation of combined parallel and triple-pass v-corrugated solar air heater: A numerical and**

experimental study

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- IV. **Enhancing thermal efficiency of aluminum heat sink by reduced graphene oxide-layer coating approach**
Sumer Y., Gençer G. M., GÜNGÖR A.
Numerical Heat Transfer; Part A: Applications, 2024 (SCI-Expanded)
- V. **Investigation of the turbine performances in the case of dual usage of Savonius wind turbines**
DEDA ALTAN B., GÜNGÖR A.
Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, vol.237, no.6, pp.2192-2201, 2023 (SCI-Expanded)
- VI. **Experimental and numerical investigation of the use of new generating refrigerant R513A in the gravity-assisted heat pipe**
Yıldırım R., Akyüz A., Kumaş K., GÜNGÖR A.
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- VII. **Conformable fractional heat equation with fractional translation symmetry in both time and space**
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Chinese Physics B, vol.32, no.4, 2023 (SCI-Expanded)
- VIII. **CFD simulation of liquid holdup in a three-phase countercurrent turbulent contact absorber**
Muhammad M., Zaman M., Li F., GÜNGÖR A., Ullah A.
Powder Technology, vol.416, 2023 (SCI-Expanded)
- IX. **Evaluation of machine learning approaches for estimating thermodynamic properties of new generation refrigerant R513A**
Pence I., Yıldırım R., Siseci Cesmeli M., GÜNGÖR A., Akyüz A.
Sustainable Energy Technologies and Assessments, vol.55, 2023 (SCI-Expanded)
- X. **Application of a physics-informed neural network to solve the steady-state Bratu equation arising from solid biofuel combustion theory**
Hosseini V. R., Mehrizi A. A., GÜNGÖR A., Afrouzi H. H.
Fuel, vol.332, 2023 (SCI-Expanded)
- XI. **Review of functionalized nano porous membranes for desalination and water purification: MD simulations perspective**
GÜNAY M., Kemerli U., KARAMAN C., KARAMAN O., GÜNGÖR A., Karimi-Maleh H.
Environmental Research, vol.217, 2023 (SCI-Expanded)
- XII. **Water droplet evaporation in atmospheric air stream**
Sezen K., GÜNGÖR A.
Physics of Fluids, vol.35, no.1, 2023 (SCI-Expanded)
- XIII. **Comparison of solar assisted heat pump systems for heating residences: A review**
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- XIV. **Pre-combustion carbon dioxide capture: A thermo-economic comparison for dual-stage Selexol process and combined Sulfinol-Selexol process**
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- XV. **Examination of the Effect of Triangular Plate on the Performances of Reverse Rotating Dual Savonius Wind Turbines**
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- XVI. **Thermo-economic analysis of integrated gasification combined cycle co-generation system hybridized with concentrated solar power tower**
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- XVII. **Techno-economic assessment of coal and torrefied biomass co-combustion: A case study of oxy-combustion carbon capture power plants in Turkey**
Keivani B., GÜNGÖR A.
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- XVIII. **Hydrogen production via sodium borohydride hydrolysis catalyzed by cobalt ferrite anchored nitrogen-and sulfur co-doped graphene hybrid nanocatalyst: Artificial neural network modeling approach**
Jafarzadeh H., KARAMAN C., GÜNGÖR A., KARAMAN O., Show P., Sami P., Mehrizi A. A.
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- XIX. **Performance analysis of air source heat pump according to outside temperature and relative humidity with mathematical modeling**
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Energy Conversion and Management, vol.263, 2022 (SCI-Expanded)
- XX. **Assessing the implementation levels of oil palm waste conversion methods in Malaysia and the challenges of commercialisation: Towards sustainable energy production**
Umar H. A., Sulaiman S. A., Said M. A. M., Gungor A., Shahbaz M., Inayat M., Ahmad R. K.
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- XXI. **Effects of ambient conditions on solar assisted heat pump systems: a review**
Sezen K., Tuncer A. D., AKYÜZ A. Ö., GÜNGÖR A.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.778, 2021 (SCI-Expanded)
- XXII. **Syngas production from gasification and co-gasification of oil palm trunk and frond using a down-draft gasifier**
Umar H. A., Sulaiman S. A., Said M. A., GÜNGÖR A., Ahmad R. K., Inayat M.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.45, no.5, pp.8103-8115, 2021 (SCI-Expanded)
- XXIII. **Thermal performance improvement of an indirect solar dryer with tube-type absorber packed with aluminum wool**
SÖZEN A., Kazancoglu F. S., Tuncer A. D., Khanlari A., Bilge Y. C., GÜNGÖR A.
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- XXIV. **Testing of a novel convex-type solar absorber drying chamber in dehumidification process of municipal sewage sludge**
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- XXV. **Energy-exergy and enviro-economic survey of solar air heaters with various air channel modifications**
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- XXVII. **Performance enhancement of a greenhouse dryer: Analysis of a cost-effective alternative solar air heater**
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- XXIX. **Analysis of wind energy potential and Weibull parameter estimation methods: a case study from Turkey**
Gungor A., Gokcek M., Ucar H., Arabaci E., Akyuz A.

INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.17, no.2, pp.1011-1020, 2020
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- XXX. **Experimental and CFD survey of indirect solar dryer modified with low-cost iron mesh**
Guler H. O., SÖZEN A., Tuncer A. D., Afshari F., Khanlari A., Sirin C., GÜNGÖR A.
SOLAR ENERGY, vol.197, pp.371-384, 2020 (SCI-Expanded)
- XXXI. **Hydrogen conversion using gasification of tea factory wastes**
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- XXXII. **Experimental and numerical study of the effect of integrating plus-shaped perforated baffles to solar air collector in drying application**
Khanlari A., Guler H. O., Tuncer A. D., Sirin C., Bilge Y. C., YILMAZ Y., GÜNGÖR A.
RENEWABLE ENERGY, vol.145, pp.1677-1692, 2020 (SCI-Expanded)
- XXXIII. **Numerical Simulation of Stoichiometric Thermodynamic Equilibrium Model of a Downdraft Biomass Air Gasifier**
Akyurek Z., Akyuz A., Naz M. Y., Sulaiman S. A., LÜTFÜOĞLU B. C., GÜNGÖR A.
SOLID FUEL CHEMISTRY, vol.53, no.6, pp.426-435, 2019 (SCI-Expanded)
- XXXIV. **An overview of Eulerian CFD modeling and simulation of non-spherical biomass particles**
Ullah A., HONG K., GAO Y., GÜNGÖR A., Zaman M.
RENEWABLE ENERGY, vol.141, pp.1054-1066, 2019 (SCI-Expanded)
- XXXV. **Thermodynamic analysis and optimization of double effect absorption refrigeration system using genetic algorithm**
ARSHAD M. U., GHANI M. U., ULLAH A., GÜNGÖR A., Zaman M.
ENERGY CONVERSION AND MANAGEMENT, vol.192, pp.292-307, 2019 (SCI-Expanded)
- XXXVI. **Techno-Economic Analysis of Selexol and Sulfinol Processes for Pre-Combustion CO₂ Capture**
Ramzan N., Shakeel U., GÜNGÖR A., Zaman M.
PROCEEDINGS OF THE IEEE, vol.1, no.1, pp.1-6, 2018 (SCI-Expanded)
- XXXVII. **Evaluation of greenhouse residues gasification performance in hydrogen production**
KOÇER A., YAKA İ. F., GÜNGÖR A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.36, pp.23244-23249, 2017 (SCI-Expanded)
- XXXVIII. **Untitled**
GÜNGÖR A. Y., Alkış H., Turkkahraman H.
KOREAN JOURNAL OF ORTHODONTICS, vol.43, no.4, pp.159, 2013 (SCI-Expanded)
- XXXIX. **A TWO-STAGE WATER-GAS SHIFT REACTOR MODEL TO OBTAIN DESIRED SYNTHESIS GAS CHARACTERISTICS WITH ADJUSTABLE REACTOR PARAMETERS**
Ozbayoglu A. M., Kasnakoglu C., GÜNGÖR A., BIYIKOĞLU A., UYSAL B.
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- XL. **Two dimensional numerical computation of a circulating fluidized bed biomass gasifier**
GÜNGÖR A., Yıldırım U.
COMPUTERS & CHEMICAL ENGINEERING, vol.48, pp.234-250, 2013 (SCI-Expanded)
- XLI. **In view of sustainable future energetic-exergetic and economic analysis of a natural gas cogeneration plant**
GÜNGÖR A., Bayrak M., Beylertil B.
INTERNATIONAL JOURNAL OF EXERGY, vol.12, no.1, pp.109-118, 2013 (SCI-Expanded)
- XLII. **Simulation of co-firing coal and biomass in circulating fluidized beds**
Gungor A.
ENERGY CONVERSION AND MANAGEMENT, vol.65, pp.574-579, 2013 (SCI-Expanded)
- XLIII. **An application of exergoeconomic analysis for a CHP system**
Yildirim U., GÜNGÖR A.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.42, no.1, pp.250-256, 2012 (SCI-Expanded)

- XLIV. **A parametric study on coal gasification for the production of syngas**
GÜNGÖR A., Ozbayoglu M., Kasnakoglu C., BIYIKOĞLU A., Uysal B. Z.
CHEMICAL PAPERS, vol.66, no.7, pp.677-683, 2012 (SCI-Expanded)
- XLV. **Numerical Simulation of Nano Particles in a Fluidized Bed**
Gungor A.
JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, vol.8, no.9, pp.1751-1754, 2011 (SCI-Expanded)
- XLVI. **Modeling the effects of the operational parameters on H-2 composition in a biomass fluidized bed gasifier**
Gungor A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, no.11, pp.6592-6600, 2011 (SCI-Expanded)
- XLVII. **Fossil fuel sustainability: Exergy assessment of a cogeneration system**
Bayrak M., Gungor A.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.35, no.2, pp.162-168, 2011 (SCI-Expanded)
- XLVIII. **Simulation of emission performance and combustion efficiency in biomass fired circulating fluidized bed combustors**
Gungor A.
BIOMASS & BIOENERGY, vol.34, no.4, pp.506-514, 2010 (SCI-Expanded)
- XLIX. **Thermodynamic analysis of a FBCC steam power plant**
Eskin N., Gungor A., Ozdemir K.
ENERGY CONVERSION AND MANAGEMENT, vol.50, no.9, pp.2428-2438, 2009 (SCI-Expanded)
- L. **A study on the effects of operational parameters on bed-to-wall heat transfer**
Gungor A.
APPLIED THERMAL ENGINEERING, vol.29, no.11-12, pp.2280-2288, 2009 (SCI-Expanded)
- LI. **Second law analysis of heat transfer surfaces in circulating fluidized beds**
Gungor A.
APPLIED ENERGY, vol.86, no.7-8, pp.1344-1353, 2009 (SCI-Expanded)
- LII. **Simulation of NO_x Emission in Circulating Fluidized Beds Burning Low-grade Fuels**
Gungor A.
ENERGY & FUELS, vol.23, no.5-6, pp.2475-2481, 2009 (SCI-Expanded)
- LIII. **One dimensional numerical simulation of small scale CFB combustors**
Gungor A.
ENERGY CONVERSION AND MANAGEMENT, vol.50, no.3, pp.711-722, 2009 (SCI-Expanded)
- LIV. **Prediction of SO₂ and NO_x emissions for low-grade Turkish lignites in CFB combustors**
Gungor A.
CHEMICAL ENGINEERING JOURNAL, vol.146, no.3, pp.388-400, 2009 (SCI-Expanded)
- LV. **Effects of operational parameters on the thermodynamic performance of FBCC steam power plant**
Eskin N., Gungor A., Özdemir K.
FUEL, vol.88, no.1, pp.54-66, 2009 (SCI-Expanded)
- LVI. **Effects of operational parameters on emission performance and combustion efficiency in small-scale CFBCs**
Gungor A., Eskin N.
JOURNAL OF THE CHINESE INSTITUTE OF CHEMICAL ENGINEERS, vol.39, no.6, pp.541-556, 2008 (SCI-Expanded)
- LVII. **Two-dimensional biomass combustion modeling of CFB**
Gungor A.
FUEL, vol.87, no.8-9, pp.1453-1468, 2008 (SCI-Expanded)
- LVIII. **Predicting axial pressure profile of a CFB**
Gungor A.
CHEMICAL ENGINEERING JOURNAL, vol.140, no.1-3, pp.448-456, 2008 (SCI-Expanded)
- LIX. **Analysis of combustion efficiency in CFB coal combustors**
Gungor A.

- FUEL, vol.87, no.7, pp.1083-1095, 2008 (SCI-Expanded)
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- LXI. **Simulation of bed-to-wall heat transfer in circulating fluidized beds**
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- LXII. **The characteristics that define wind as an energy source**
Gungor A., Eskin N.
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- LXIII. **Analysis of environmental benefits of CFB combustors via one-dimensional model**
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CHEMICAL ENGINEERING JOURNAL, vol.131, no.1-3, pp.301-317, 2007 (SCI-Expanded)
- LXIV. **Hydrodynamic modeling of a circulating fluidized bed**
Gungor A., Eskin N.
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Articles Published in Other Journals

- I. **NUMERICAL AND EXPERIMENTAL INVESTIGATION OF AIR PERMEABILITY OF AN EVAPORATOR**
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Scientific Journal of Mehmet Akif Ersoy University, vol.6, no.2, pp.51-56, 2023 (Peer-Reviewed Journal)
- II. **Experimental investigation of a solar-assisted air conditioning system: Energy and life cycle climate performance analysis**
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- III. **A new approach for environmental analysis of vapor compression refrigeration systems: Environmental impact index**
Yıldırım R., GÜNGÖR A., Akyüz A., Tuncer A. D.
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- IV. **Energy and exergy analysis of hydrogen production on co-gasification of municipal solid waste and coal**
KOÇER A., AKSOY E., YAKA İ. F., GÜNGÖR A.
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- V. **Tax Awareness and Morality in the Effectiveness of Tax Revenues: Secondary School Teachers' Tax Perception Analysis in Manavgat, Antalya**
UZUNALİ E., Oguz Y., Olca V., Dag M., KUMAŞ K., GÜNGÖR A.
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- VI. **Effective removal of chromium from wastewater with Zn doped Ni ferrite nanoparticles produced using co-precipitation method**
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- VII. **Increasing the thermal performance of cooling tower by utilizing swirling jets**
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International Advanced Researches and Engineering Journal, vol.4, no.2, pp.57-63, 2020 (Peer-Reviewed Journal)
- VIII. **The Future of Fossil Energy Sources and The Change of Global Energy Policies**
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- IX. Coğrafi Bilgi Sistemleri İle Burdur İli Yağış Analizi Ve Değerlendirilmesi**
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- X. Effects of lubricant fluid with nanoparticle additive on the load capacity of a hydrostatic journal bearing**
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- XI. Antalya İli Meteorolojik Verileri Yardımıyla Hava Sıcaklığının Yapay Sinir Ağları Metodu ile Tahmini**
KUMAŞ K., AYAN M., AKYÜZ A. Ö., GÜNGÖR A.
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- XII. Importance of Mathematical Modeling in Innovation**
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- XIII. Experimental investigation of photovoltaic panel surface temperature at various tilt angles**
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- XIV. Empirical Investigation of Small-Scale Aluminium Wool Packed Solar Air Heater Made with Waste Material**
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- XV. Testing of New design of Mesh-coupled Axial Blade Distributor for Swirling Fluidization Operation**
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- XVI. Biomass to Energy: The Potential of Biogas in Turkey and World**
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- XVII. Investigation of Ideal Buildings in terms of Energy Performance Value and Energy Identity Certificate in Antalya and Erzurum**
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Yılmaz S., Ertuğrul Ş., GÜNGÖR A., Eskin N.
VII. Ulusal Tesisat Mühendisliği Kongresi ve Fuarı, TESKON 2005, İzmir, Turkey, 23 - 26 November 2005, pp.145-160
- CLXXXIII. **Hydrodynamic Simulation of Circulating Fluidized Bed**
GÜNGÖR A., Eskin N.
9th International Research/Expert Conference, Trends in the Development of Machinery and Associated Technology, TMT 2005, Antalya, Turkey, 26 - 30 September 2005, pp.673-676
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9th International Research/Expert Conference, Trends in the Development of Machinery and Associated Technology, TMT 2005, Antalya, Turkey, 26 - 30 September 2005, pp.1061-1064
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15. Ulusal Isı Bilimi ve Tekniği Kongresi, Trabzon, Turkey, 7 - 09 September 2005, pp.253-258
- CXCI. **Numerical Computation of a CFB Combustor and Comparison with Experimental Results**
GÜNGÖR A., Eskin N.
14th International Conference on Thermal Engineering and Thermogrammetry, THERMO, Budapeşte, Hungary, 22 - 24 June 2005, pp.1-8
- CXCII. **Hydrodynamic Modelling of a Circulating Fluidized Bed**
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2nd International Conference on Applied Thermodynamics, ATC'05, İstanbul, Turkey, 18 - 20 May 2005, pp.431-438
- CXCIII. **Effects of Immersed Surfaces on System Efficiency in Fluidized Bed Combustors**
GÜNGÖR A., Eskin N.
2nd International Conference on Applied Thermodynamics, ATC'05, İstanbul, Turkey, 18 - 20 May 2005, pp.451-458
- CXCIV. **Bir Sirkülasyonlu Akışkan Yataklı Yakıcı İçin Üst Bölgenin Modellenmesi**
GÜNGÖR A., Eskin N.
14. Ulusal Isı Bilimi ve Tekniği Kongresi, Isparta, Turkey, 3 - 05 September 2003, pp.25-35
- CXCV. **A Model for Circulating Fluidized Bed Combustors**
GÜNGÖR A., Eskin N.
First International Exergy, Energy and Environment Symposium, IEEEES-1, İzmir, Turkey, 25 - 29 June 2003, pp.911-918
- CXCVI. **Sirkülasyonlu Akışkan Yataklı Yakıcılarda Üst Bölgenin Modellenmesi**
GÜNGÖR A., Eskin N.
1. Ege Enerji Sempozyumu ve Sergisi, Denizli, Turkey, 21 - 23 May 2003, pp.52
- CXCVII. **Sirkülasyonlu Akışkan Yataklı Yakıcılarda Alt Bölge ve Sıçrama Bölgenin Modellenmesi**
GÜNGÖR A., Eskin N.
1. Ege Enerji Sempozyumu ve Sergisi, Denizli, Turkey, 21 - 23 May 2003, pp.53
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GÜNGÖR A., Eskin N.
1. Ege Enerji Sempozyumu ve Sergisi, Denizli, Turkey, 21 - 23 May 2003, pp.211-217
- CXCIX. **Thermodynamic Analysis of Heat Transfer to the Immersed Surfaces in a Circulating Fluidized Bed**
GÜNGÖR A., Eskin N.
ECOS 2001 Conference, İstanbul, Turkey, 4 - 06 July 2001, pp.249-256

Supported Projects

GÜNGÖR A., TUBITAK Project, Mühendislik ve Sağlık Bilimlerinde Bilimsel ve Teknolojik Araştırma Projeleri Yazma ve

Yürütme Eğitimi, 2019 - Continues

GÜNGÖR A., TUBITAK Project, Bucak Bilim Festivali (Bucak Bilfest), 2018 - Continues

GÜNGÖR A., EU Supported Other Project, conception, implementation and anchoring vocational trainings for the monitoring and control of photovoltaic systems and regenerative heating systems in residential buildings, 2018 - Continues

GÜNGÖR A., Other International Funding Programs, Modeling and Simulations of Supercritical Circulating Fluidized Bed Combustion (SCFBC) power Plant, 2017 - Continues

MUHAMMETOĞLU A., MUHAMMETOĞLU H., KARADİREK İ. E., GÜNGÖR A., Project Supported by Higher Education Institutions, Sürdürülebilir İçmesuyu Temini Sistemleri için Yenilenebilir Enerji Kazanımı Potansiyelinin Araştırılması, 2015 - 2018

MERDUN H., GÜNGÖR A., SEZGİN İ. V., Project Supported by Higher Education Institutions, Belediye katı atıkları ve linyit kömürünün eşpirolizi ile elde edilen biyoyakıt özelliklerinin incelenmesi, 2016 - 2017

GÜNGÖR A., EU Supported Other Project, Mehmetçik için Yurttaşlık Eğitimi Projesi, 2012 - 2016

Güngör A., TUBITAK Project, Doğal Dolaşimli, Kapalı Sistem Çalışan Düzlem Güneş Kollektörlerinde Gaz Kullanımının Sistem Performansı Üzerindeki Etkilerinin Deneysel Olarak İncelenmesi, 2014 - 2015

GÜNGÖR A., Project Supported by Other Official Institutions, Vakum tüplü güneş kolektörlerinin veriminin artırılması, 2014 - 2015

GÜNGÖR A., Project Supported by Other Official Institutions, VAKUM TÜPLÜ GÜNEŞ KOLLEKTÖRLERİNİN GELİŞTİRİLEN BİR APARAT VE GELİŞTİRİLEN DEPO İLE VERİMİNİN ARTTIRILMASI, 2012 - 2013

GÜNGÖR A., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Niğde Üniversitesi Merkezi Labaratuar Kurulumu, 2010 - 2011

GÜNGÖR A., TUBITAK Project, Biyokütle Yakan Sirkülasyonlu Akışkan Yataklı Yakıcıların Modellenmesi, 2009 - 2011

GÜNGÖR A., Project Supported by Other Official Institutions, Temiz Kömür Teknolojileri – Modelleme, Simülasyon ve Veri Analizi, 2009 - 2009

Activities in Scientific Journals

International Journal of Renewable Energy and Biofuels, Editor, 2014 - Continues

Niğde Üniversitesi Mühendislik Bilimleri Dergisi, Editor, 2012 - Continues

International Journal of Engineering and Applied Sciences, Committee Member, 2012 - Continues

Recent Patents of Chemical Engineering, Editor, 2009 - Continues

Memberships / Tasks in Scientific Organizations

Türk Isı Bilimi ve Tekniği Derneği, Member, 2003 - Continues

Makina Mühendisleri Odası, Member, 1995 - Continues

Temiz Enerji Araştırma ve Uygulama Merkezi, Chairman, 2016 - 2018

Yangın Araştırma Merkezi, Board Member, 2016 - 2017

Temiz Enerji Araştırma ve Uygulama Merkezi, Board Member, 2012 - 2016

Peer Reviews in Scientific Publications

International Journal of Renewable Energy and Biofuels, Other Indexed Journal, April 2014

Chemical Engineering Research and Development, SCI Journal, March 2014

Recent Patents of Chemical Engineering, Other Indexed Journal, March 2014

Energy, SCI Journal, February 2014

Bioresearch Technology, SCI Journal, February 2014

Fuel Processing Technology, SCI Journal, February 2014

Chemical Engineering and Processing: Process Intensification, SCI Journal, February 2014
Energy Conversion and Management, SCI Journal, January 2014
Powder Technology, SCI Journal, January 2014
Chemical Engineering Journal, SCI Journal, January 2014
Fuel, SCI Journal, December 2013
International Journal of Hydrogen Energy, SCI Journal, December 2013
Electronic Journal of Machine Technologies, Other Indexed Journal, November 2013
Environmental Engineering and Management Journal, SCI Journal, November 2013
Chemical Industry & Chemical Engineering Quaterly, SCI Journal, November 2013
Chemical Engineering Communications, SCI Journal, November 2013
Environmental Science and Technology, SCI Journal, November 2013
Journal of Sol-Gel Science and Technology, SCI Journal, November 2013
Chemical Engineering and Technology, SCI Journal, October 2013
Chemical Physics, SCI Journal, September 2013
Journal of Thermal Science and Technology, SCI Journal, September 2013
International Journal of Energy Research, SCI Journal, September 2013
International Journal of Exergy, SCI Journal, August 2013
Journal of Energy Engineering, SCI Journal, August 2013
Journal of the Faculty of Engineering and Architecture of Gazi University, SCI Journal, August 2013
International Journal of Engineering and Technology Innovation, SCI Journal, August 2013
Prudence Journal of Environmental Science Research, Other Indexed Journal, August 2013
Journal of Petroleum Technology and Alternative Fuels, SCI Journal, June 2013
Journal of Petroleum and Gas Engineering, SCI Journal, May 2013
Energy and Fuels, SCI Journal, May 2013
International Research Journal of Computer Science and Information Systems, SCI Journal, May 2013
ASME Journal of Heat Transfer, SCI Journal, April 2013
International Review of Chemical Engineering, SCI Journal, April 2013
International Research Journal of Engineering Science, Technology and Innovation, SCI Journal, April 2013
African Journal of Environmental Science and Technology, Other Indexed Journal, March 2013
African Journal of Engineering Research, Other Indexed Journal, March 2013
African Journal of Biotechnology, Other Indexed Journal, February 2013
African Journal of Agricultural Research, Other Indexed Journal, February 2013
Environmental Engineering Science, SCI Journal, June 2012
Industrial & Engineering Chemistry Research, SCI Journal, May 2012
Asia-Pacific Journal of Chemical Engineering, SCI Journal, April 2012
The Canadian Journal of Chemical Engineering, SCI Journal, March 2012
International Journal of Thermal Sciences, SCI Journal, March 2012
Journal of Alloys and Compounds, SCI Journal, October 2011

Metrics

Publication: 357
Citation (WoS): 1310
Citation (Scopus): 1560
H-Index (WoS): 21
H-Index (Scopus): 23

Congress and Symposium Activities

International Conference on Nano-Composites and Multi-Functional Materials 2017, Invited Speaker, Islamabad, Pakistan, 2017

International Conference on Nano-Composites and Multi-Functional Materials 2017, Attendee, Islâmâbâd, Pakistan, 2017

International Conference on Nano-Composites and Multi-Functional Materials 2017, Session Moderator, Islamabad, Pakistan, 2017

III INTERNATIONAL SCIENTIFIC CONGRESS INNOVATIONS 2017, Attendee, Varna, Bulgaria, 2017

Fourth International Conference on Advances in Mechanical and Robotics Engineering - AMRE 2016, Attendee, Roma, Italy, 2016

1. International Mediterranean Science and Engineering Congress, Attendee, Adana, Turkey, 2016

International Conference on Energy for Environmental and Economic Sustainability (ICEEES-2016), Invited Speaker, Lahore, Pakistan, 2016

International Conference on Energy for Environmental and Economic Sustainability (ICEEES-2016), Attendee, Lahore, Pakistan, 2016

3. ANADOLU ENERJİ SEMPOZYUMU (AES2015), Session Moderator, Muğla, Turkey, 2015

INTERNATIONAL SCIENCE AND TECHNOLOGY CONFERENCE (ISTEC2015), Session Moderator, Sankt-Peterburg, Russia, 2015

International Conference on Energy Systems and Policies (ICESP-2014), Invited Speaker, Pakistan, 2014

13th International Conference on Clean Energy 2014 (ICCE 2014), Attendee, İstanbul, Turkey, 2014

3rd International Exergy, Life Cycle Assessment and Sustainability Workshop & Symposium, ELCAS-3, Attendee, Nysiros, Greece, 2013

16th International Research/Expert Conference, Trends in the Development of Machinery and Associated Technology, TMT 2012, Attendee, Dubai, United Arab Emirates, 2012

12th International Combustion Symposium, ICS 2012, Attendee, Kocaeli, Turkey, 2012

3rd International Conference on Nuclear & Renewable Energy Resources NURER, Attendee, İstanbul, Turkey, 2012

9th Green Chemistry Conference, Attendee, Madrid, Spain, 2011

13th International Conference on Fluidization - New Paradigm in Fluidization Engineering, 2010 ECI Conference, Attendee, Gyeong-ju, South Korea, 2011

International Pittsburgh Coal Conference 2010, Attendee, İstanbul, Turkey, 2010

10. Uluslararası Temiz Enerji Konferansı, ICCE-2010, Attendee, Gazimagusa, Cyprus (Kktc), 2010

10. Uluslararası Temiz Enerji Konferansı (ICCE-2010), Session Moderator, Gazimagusa, Cyprus (Kktc), 2010

2nd International Conference on Nuclear & Renewable Energy Resources NURER, Attendee, Ankara, Turkey, 2010

5th International Ege Energy Symposium and Exhibition, IEESE-5, Attendee, Denizli, Turkey, 2010

Fifth International Ege Energy Symposium and Exhibition (IEESE-5), Session Moderator, Denizli, Turkey, 2010

8th European Conference on Coal Research and Its Applications: ECCRIA 8, Attendee, Leeds, United Kingdom, 2010

6th Nanoscience and Nanotechnology Conference, NanoTR6-2010, Attendee, İzmir, Turkey, 2010

11th International Combustion Symposium, Attendee, Saraybosna, Bosnia And Herzegovina, 2010

International Symposium on Engineering and Architectural Sciences of Balkan, Caucasus and Turkic Republics, Attendee, Isparta, Turkey, 2009

13th International Research/Expert Conference, Trends in the Development of Machinery and Associated Technology, TMT 2009, Attendee, Hammamet, Tunisia, 2009

13th International Research/Expert Conference, Trends in the Development of Machinery and Associated Technology (TMT 2009), Session Moderator, Tunis, Tunisia, 2009

3rd International Congress on Food and Nutrition, Attendee, Antalya, Turkey, 2009

12th International Research/Expert Conference, Trends in the Development of Machinery and Associated Technology, TMT 2008, Attendee, İstanbul, Turkey, 2008

10th International Combustion Symposium, Attendee, Sakarya, Turkey, 2008

11th International Research/Expert Conference, Trends in the Development of Machinery and Associated Technology, TMT 2007, Attendee, Hammamet, Tunisia, 2007

10th International Research/Expert Conference, Trends in the Development of Machinery and Associated Technology, TMT 2006, Attendee, Lloret de Mar, Spain, 2006

9th International Combustion Symposium, Attendee, Kırıkkale, Turkey, 2006

9th International Combustion Symposium, Attendee, Kırıkkale, Turkey, 2006

9th International Research/Expert Conference, Trends in the Development of Machinery and Associated Technology, TMT 2005, Attendee, Antalya, Turkey, 2005

14th International Conference on Thermal Engineering and Thermogrammetry, THERMO, Attendee, Budapest, Hungary, 2005

ECOS 2005 Conference, Attendee, Trondheim, Norway, 2005

2nd International Conference on Applied Thermodynamics, ATC'05, Attendee, İstanbul, Turkey, 2005

First International Exergy, Energy and Environment Symposium, IEEEES-1, Attendee, İzmir, Turkey, 2003

ECOS 2001 Conference, Attendee, İTÜ Makina Fakültesi, İstanbul, Turkey, 2001

Awards

GÜNGÖR A., Akademik Teşvik Ödülü, Niğde Üniversitesi, April 2011

GÜNGÖR A., Akademik Teşvik Ödülü, Niğde Üniversitesi, April 2010

GÜNGÖR A., Akademik Teşvik Ödülü, Niğde Üniversitesi, April 2009