ZAFER GEMİCİ
ASSOC. PROF.

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Yoksis Researcher ID: 234712



Biography

Dr. Zafer GEMİCİ was born in 1974 in Rize. After graduating with honors from Istanbul Technical University, Mechanical Engineering, Energy Department in 1997, he received his master's degree in 1999 and his Ph.D. in 2007 from the same department. During his undergraduate education, he started his internship at Arçelik Research and Development Department and professionalized his R&D engineering experience. He worked in Arçelik R&D Department for 5 years as R&D professional and project manager in the fields of heat and fluid systems, cooling techniques, dynamic system modeling. After leaving Arçelik due to his military service, he joined Dizayn Group R&D Department in 2001 as an R&D specialist in the fields of heat transfer, fluid mechanics, thermodynamics, energy systems, IP management and project management. He was promoted to R&D Manager within 1 year and performed these duties for 4 years. In 2007, he led the transformation of the R&D department of Dizayn Group into Mir Research and Development Inc. and became the R&D Coordinator of this company. Until the end of 2018, he worked in different positions such as General Manager, Assistant General Manager and R&D Coordinator in this company operating in YTU Technopark. Dr. GEMİCİ, who was a member of the Technology Board of Directors of Mir Holding, had also led the company's traditional "We encourage brain power against brain drain" campaign.

After 22 years of experience in the private sector, he decided to become an academic. In September 2018, Dr. GEMİCİ became a faculty member at the Faculty of Mechanical Engineering, Department of Thermodynamics and Heat Engineering, Yildiz Technical University. In the same period, he was the deputy dean of the Faculty of Mechanical Engineering, responsible for the administration.

In 2013, Dr. Gemici completed the International Innovation, Technology and R&D Management postgraduate program at the University of Warwick.

He was a founding member and vice president of the International Technology Union (UTB) and a board member of Istanbul University Technopark A.Ş. He was also a founding board member and country director of ACQUEAU, a sub-cluster of EUREKA, headquartered in Brussels, working in the field of "Water and Water Management" between 2010-2016. He also taught at Istanbul University between 2004 and 2015.

In addition to his expertise in mechanical engineering, he also specializes in business management, technology management, project management, intellectual property management, innovation management, venture capital and product development. He also has consulting responsibilities in various large companies.

Dr. GEMİCİ is married and has one daughter.

Learning Knowledge

Doctorate 1999 - 2008	Istanbul Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği/Enerji, Turkey
Postgraduate 1997 - 1999	Istanbul Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği/Enerji, Turkey
Undergraduate 1992 - 1997	Istanbul Technical University, Makine Mühendisliği, Turkey

Certificates, Courses and Trainings

Education Management and Planning, AMOS ile Yapısal Eşitlik Modelleme, Başkent Üniversitesi Eğitim ve Danışmanlık Hizmetleri Merkezi (BEDAM), 2018
Education Management and Planning, Industrial RD and Technology Managenemt Postgraduate Certificate Program (1 Year), Warwick University, 2012
Education Management and Planning, The Project Circle, Technical, Financial and Legal Aspects of FP7 Project Preparation and Completion, AB 7th Program Edu. by Dr. Stephan Pascall, 2006
Education Management and Planning, Çalışanlar İçin Grid, İdea, 2003
Education Management and Planning, ISO 9001:2000 Quality Management System Update Training, Bureau Veritas, 2003
Education Management and Planning, Proje Yönetimi, Makro Danışşmanlık, 2000
Education Management and Planning, SDRC Education Training Program, SDRC, 1999
Education Management and Planning, İngilizce Destekli Lisans Öğretim Programı, İTÜ, 1992

Dissertations

Doctorate, Termal enerji depolama sistemlerinde kullanılan ve faz değişimi yapan kapsüllerde ısı transferinin incelenmesi, İstanbul Teknik Üniversitesi, Fenbilimleri Enstitüsü, Makine Mühendisliği/Enerji, 2008
Postgraduate, İklimlendirme cihazı ısı değiştiricilerinin teorik ve deneysel olarak incelenmesi, İstanbul Teknik Üniversitesi, Fenbilimleri Enstitüsü, Makine Mühendisliği/Enerji, 1999

Academic Titles / Tasks

Associate Professor 2019 - Continues	Yildiz Technical University, Faculty Of Mechanical Engineering, Deparment Of Mechanical Engineering
Assistant Professor 2018 - 2019	Yildiz Technical University, Faculty Of Mechanical Engineering, Deparment Of Mechanical Engineering

Supported Projects

1. ATAYILMAZ Ş. Ö., DEMİR H., KARADAĞ A., ARPACİ E., GEMİCİ Z., SEVİNDİR M. K., SAROĞLU Ö., METİN YILDIRIM R., Project Supported by Higher Education Institutions, Isı Pompalı Mikrodalga Destekli Gıda Kurutma Sisteminin

Deneysel ve Sayısal İncelenmesi, 2022 - Continues

2. Sevindir M. K., Atayılmaz Ş. Ö., Demir H., Ağra Ö., Gemici Z., Yıldırım A., Project Supported by Higher Education Institutions, POLİMER KOMPOZİT ISI DEĞİŞTİRİCİSİ GELİŞTİRİLMESİ, 2022 - 2024
3. GEMİCİ Z., Topçu D., Project Supported by Higher Education Institutions, İnsansız Hava Araçları için Eklemeli İmalat Yöntemiyle Yakıt Eşanjörü Geliştirilmesi, 2022 - 2023
4. GEMİCİ Z., Ürkmez Ş., Project Supported by Higher Education Institutions, Pil Termal Yönetim Sistemleri İçin Tek Fazlı Isı Transferinin Minyatür Pin Kanatlı Yüzeyler ile Arttırılmasına Yönelik Araştırılması, 2022 - 2023
5. Doğan A., Gemici Z., Demir H., Kayacı N., Atayılmaz Ş. Ö., Project Supported by Higher Education Institutions, Yapı temeline yerleştirilen ısı pompası ile entegre yerden ısıtma sistemi ve farklı sistemlerin birlikte çalıştırılması ve sistem optimizasyonu, 2020 - 2022
6. Gemici Z., Çakır E., TUBITAK Project, Büyük ve Kesintili Enerji Kullanan Mahallerde Toprak Kaynaklı Isı Pompasıyla Radyant Isıtma-Soğutma Sistemlerinin Isıl Konfor Analizinin ve Uygulanabilirliğinin İncelenmesi, 2021 - 2021
7. Gemici Z., Doğu M., Project Supported by Defense Industry, Havacılıkta Kullanılan Karbon Elyaf Takviyeli Termoplastik Reçineli Prepreg Geliştirilmesi (KOZA) Projesi, 2014 - 2020
8. Gemici Z., TÜBİTAK International Bilateral Joint Cooperation Program Project, COMFOSTAT: Öğrenen Algoritma İle Desteklenecek Operatif Sıcaklık Esasına Dayanan Akıllı Termostat Geliştirilmesi, 2017 - 2019
9. Gemici Z., TÜBİTAK International Bilateral Joint Cooperation Program Project, Yüksek Mekanik Performanslı İleri Melez İpliklerin Kullanıldığı Termoplastik Kompozit Üretim Yönteminin Geliştirilmesi (AB-EUREKA / TEYDEB-1509-9150197), 2016 - 2019
10. Gemici Z., TÜBİTAK International Bilateral Joint Cooperation Program Project, MeVe: Akıllı Veri Analiz Araçları ile Etkin Enerji Verimliliği Ölçümü ve Doğrulaması Yapan Yazılım Aracı Geliştirilmesi, 2017 - 2018
11. Gemici Z., TTGV, Tarımsal ve Çevresel Analizlerin Yerinde ve Hızlı Yapılmasına Yönelik Mobil Analiz Laboratuvar Platformunun Geliştirilmesi, 2015 - 2018
12. Gemici Z., FP7 Project, RepliCable and InnovaTive Future Efficient Districts and cities - CITyFiED, 2014 - 2018
13. Gemici Z., FP7 Project, Renovation of Residential urban spaces: Towards nearly zero energy CITIES - R2Cities (314473), 2013 - 2018
14. Zorer Gedik G., Atayılmaz Ş. Ö., Gemici Z., Industrial Thesis Project, Yüzeyden ısıtma soğutma sistemli modüler hibrit duvar yapısının geliştirilmesi, 2014 - 2016
15. Gemici Z., Şahin Y., Çetinkaya E., TUBITAK Project, Toprakta Voltametrik Mikro Element Tayini İle Gübreleme Tavsiye Sistemi Geliştirilmesi, 2013 - 2016
16. Gemici Z., Karadağ S., TUBITAK Project, PIPEX - BORU ÜRETİMİNE UYGUN ÇAPRAZ BAĞLANABİLİR POLİETİLEN ÜRETİMİ VE PROSES TASARIMI, 2013 - 2016
17. Gemici Z., Saygılı A., TUBITAK Project, ENJEKSİYON KALIPLARINDA KARMAŞIK GEOMETRİLERİN OLUŞTURULMASI İÇİN HAVALI MAÇA GELİŞTİRİLMESİ, 2012 - 2016
18. Gemici Z., Koca A. İ., TUBITAK Project, Radyant Soğutma Sistemlerinde Nemin Pasif ve Ekonomik Bir Şekilde Kontrol Edilmesi ev Pencerenin Termal Konfor Üzerindeki Olmusuz Etkisini Ortadan Kaldıracak Yenilikçi Çözümün Sayısal ve Deneysel Olarak İncelenmesi, 2014 - 2015
19. Gemici Z., TUBITAK Project, Termoplastik Kompozit Borularda Eş Zamanlı, Zıt Yönlü, Kesintisiz, Çiftli Sarım Teknolojilerinin Geliştirilmesi, 2013 - 2015
20. Gemici Z., Technopark, Hobi ve enerji tasarrufu amaçlı topraksız bitki yetiştirme teknolojisinin geliştirilmesi, 2014 - 2014
21. Gemici Z., Industrial Thesis Project, Termoplastik esaslı polimer köpük boru geliştirilmesi, 2013 - 2014
22. Gemici Z., Technopark, BİNA HASTANESİ, 2013 - 2014
23. Gemici Z., Ünal A., Gökgöz İ., TUBITAK Project, MİKROLİF TAKVİYELİ POLİMER KOMPOZİTLERİNİN ENDÜSİYEL ÖLÇEKTE GELİŞTİRİLMESİ, 2011 - 2014
24. Gemici Z., Technopark, Su altında yüzen boru sistemi, 2011 - 2014
25. Gemici Z., TUBITAK Project, Çevre altyapı tesislerinde kullanılan boruların içmesuyu kanalizasyon ve üretim tekniklerinin araştırılması iyileştirilmesi ve geliştirilmesi, 2010 - 2014
26. Gemici Z., Atayılmaz Ş. Ö., Koca A. İ., TUBITAK Project, DUVARDAN YERDEN TAVANDAN ISITMA SOĞUTMA UYGULAMALARINDA KULLANILABİLECEK RADYANT KLİMA PANELLERİNİN GELİŞTİRİLMESİ, 2011 - 2013
27. Gemici Z., Işıldak İ., Eren E., TUBITAK Project, SAHADA HIZLI TOPRAK ANALİZİ VE GÜBRELEME SULAMA

TAVSİYESİ SİSTEMİ, 2010 - 2012

28. GEMİCİ Z., YILMAZ O., Industrial Thesis Project, Katkılı Polimer Malzemelerin Reolojik Özelliklerinin Modellenmesi ve Ekstrüzyonda Kullanılmak Üzere Üç Katmanlı Spiral Kafa Tasarımı, 2009 - 2012
29. Gemici Z., Bekem A., Doğu M., TUBITAK Project, Sürekli elyaf takviyeli termoplastik kompozit boru üretimi, 2008 - 2012
30. Gemici Z., Deveci S., TUBITAK Project, METAL PLASTİK ARA YÜZEYLERİNİN YAPIŞMA ÖZELLİKLERİNİN GELİŞTİRİLMESİ, 2008 - 2010
31. Gemici Z., Doğu M., TUBITAK Project, GAZ FAZINDA HİDROJEN TAŞIMA AMAÇLI PLASTİK BORU SİSTEMİ GELİŞTİRİLMESİ, 2007 - 2010
32. Gemici Z., TUBITAK Project, ÜRE SAATİ IONTOFOREZ YÖNTEMİ İLE VÜCUTTAKİ ÜRE DÜZEYİNİ ÖLÇEN CİHAZ, 2006 - 2008
33. Gemici Z., TUBITAK Project, PLASTİK BORU EKSTRUDER KALİBRELERİNİN İYİLEŞTİRİLMESİ, 2002 - 2004

Jury Memberships

Doctorate, Doctorate, İstanbul Teknik Üniversitesi, January, 2024
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2023
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, December, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, December, 2023
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, December, 2023
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2023
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2023
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2023
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, November, 2023
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, September, 2023
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, September, 2023
Doctorate, Doctorate, Yıldız Teknik Üniversitesi, January, 2023
Post Graduate, Post Graduate, Marmara Üniversitesi, January, 2023
Doctorate, Doctorate, Yıldız Teknik Üniversitesi, January, 2023
Doctorate, Doctorate, Yıldız Teknik Üniversitesi, July, 2022
Doctorate, Doctorate, Ankara Yıldırım Beyazıt Üniversitesi, July, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, December, 2019
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, November, 2019
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yildiz Technical University, November, 2019
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, November, 2019
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, November, 2019
Competition, TEKNOFEST 2019, Türkiye Teknoloji Takımı, June, 2019
Post Graduate, Duygu Utkucu Yüksek Lisans Tez Savunma Jürisi, İstanbul Teknik Üniversitesi / Enerji Enstitüsü, June, 2019
Post Graduate, Sami Shams Aldin Yüksek Lisans Tez Savunma Jürisi, İstanbul Teknik Üniversitesi / Enerji Enstitüsü, June, 2019
Doctorate, Doctorate, Özyeğin Üniversitesi, December, 2018
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, December, 2018

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, December, 2018
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, November, 2018
Doctoral Examination, Doktora yeterlilik sınavı, YILDIZ TEKNİK ÜNİVERSİTESİ MAKİNE FAKÜLTESİ MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ, November, 2018
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Yıldırım Beyazıt Üniversitesi, September, 2018

Designed Lessons

Gemici Z., Thermal Radiation, Doctorate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Numerical study of the intensification of single-phase heat transfer in a sandwich-like channel using staggered miniature-pin fins**
   Gemici Z., Budakli M.
   NUMERICAL HEAT TRANSFER; PART A: APPLICATIONS, vol.85, no.9, pp.1399-1432, 2024 (SCI-Expanded)
2. **Numerical analysis of the heat transfer and pressure drop of a wavy fin and Kammtail tube condenser: An investigative study**
   Erdem Şahnalı F., Atayılmaz Ş. Ö., Gemici Z.
   CASE STUDIES IN THERMAL ENGINEERING, vol.55, pp.1-21, 2024 (SCI-Expanded)
3. **Forecasting natural gas demand in Istanbul by artificial neural networks method and planning of city gate stations**
   Balıkçı V., Gemici Z., Taner T., Dalkılıç A. S.
   JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.39, no.2, pp.1017-1028, 2023 (SCI-Expanded)
4. **Experimental and numerical investigation of ground heat exchangers in the building foundation**
   Kayaci N., Demir H., Kanbur B. B., Atayılmaz Ş. Ö., Ağra Ö., Acet R. C., Gemici Z.
   ENERGY CONVERSION AND MANAGEMENT, vol.188, pp.162-176, 2019 (SCI-Expanded)
5. **Deformations of Cylindrical Corrugated Pipes**
   Abdulaliyev Z., Ataoğlu Ş., Gemici Z.
   JOURNAL OF TESTING AND EVALUATION, vol.45, no.6, pp.2121-2127, 2017 (SCI-Expanded)
6. **Predicting the Numerical and Experimental Open-Channel Flow Resistance of Corrugated Steep Circular Drainage Pipes**
   Gemici Z., KOCA A., Kaya K.
   JOURNAL OF PIPELINE SYSTEMS ENGINEERING AND PRACTICE, vol.8, no.3, 2017 (SCI-Expanded)
7. **A novel ANN-based approach to estimate heat transfer coefficients in radiant wall heating systems**
   Açıkgöz Ö., Cebi A., Dalkılıç A. S., Koca A., Cetın G., Gemici Z., Wongwıses S.
   ENERGY AND BUILDINGS, vol.144, pp.401-415, 2017 (SCI-Expanded)
8. **EXPERIMENTAL EXAMINATION OF THERMAL COMFORT PERFORMANCE OF A RADIANT WALL PANEL SYSTEM: COMPARISON BETWEEN DIFFERENT HEATING WALL CONFIGURATIONS**
   GEMİCİ Z.
   ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.37, no.1, pp.69-78, 2017 (SCI-Expanded)
9. **Experimental investigation of heat transfer coefficients between hydronic radiant heated wall and room**
   KOCA A., Gemici Z., TOPACOGLU Y., CETIN G., ACET R. C., Kanbur B. B.
   ENERGY AND BUILDINGS, vol.82, pp.211-221, 2014 (SCI-Expanded)

10. **Aramid-HDPE Composites: Influence of Interface Adhesion Measured by T-peel Test on Tensile Properties**
    BEKEM A., DOĞU M., Gemici Z., ÜNAL A., GÜLER M. H.
    MATERIALS TESTING, vol.56, no.5, pp.369-374, 2014 (SCI-Expanded)
11. **Theoretical and experimental examination of air conditioner heat exchangers**
    Gemici Z., EĞRİCAN N., KOCA A.
    INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.37, no.6, pp.681-686, 2010 (SCI-Expanded)
12. **Currency of district cooling systems and alternative energy sources**
    Ulusarslan D., Gemici Z., Teke İ.
    ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.23, pp.31-53, 2009 (SCI-Expanded)

Articles Published in Other Journals

1. **A Comparative Study on Turkey's Science and Technology (S&T) Indicators**
    Çark Gemici E., Gemici Z.
    Economics and Business Quarterly Reviews, vol.4, no.3, pp.126-143, 2021 (Peer-Reviewed Journal)
2. **Investigation of Press Forming Process for CF/PEEK and GF/PP Thermoplastic Composite Materials**
    Duran E. N., Yıldırımoğlu Y. S., Ersöz S., Öztürk F., Gemici Z.
    International Journal on Engineering Technologies and Informatics, vol.2, pp.53-60, 2021 (Peer-Reviewed Journal)
3. **TRUE INTERPRETATION OF R&D: HOLISTIC R&D, INNOVATION AND TECHNOLOGY MANAGEMENT**
    Gemici Z., Öztürk F.
    Makina Tasarım ve İmalat Dergisi, vol.18, no.2, pp.82-91, 2020 (Peer-Reviewed Journal)
4. **Development of a Cooling Die Used in Plastic Pipe Processing: Numerical and Experimental Analysis**
    GEMİCİ Z.
    JOURNAL OF THERMAL ENGINEERING, vol.4, pp.2096-2116, 2018 (Scopus)
5. **The performance evaluation of the modular design of hybrid wall with surface heating and cooling system**
    Erikci Çelik S. N., Zorer Gedik G., Parlakyıldız B., Koca A., Çetın M. G., Gemıcı Z.
    A/Z ITU Journal of the Faculty of Architecture, vol.13, pp.31-37, 2016 (Scopus)
6. **Investigation of a novel soil analysis method in agricultural areas of Çarşamba plain for fertilizer recommendation**
    EREN E., ÖKSÜZ Y., KARADAĞ S., ÖZEN S., GEMİCİ Z., KIZILKAYA R.
    EURASIAN JOURNAL OF SOIL SCIENCE (EJSS), vol.3, pp.123-130, 2014 (Peer-Reviewed Journal)
7. **EVAPORATIVE HEAT TRANSFER AND PRESSURE DROP OF R410A AND R32 IN SMOOTH HORIZONTAL TUBE**
    KOCA A., GEMİCİ Z.
    Sigma: Journal of Engineering Natural Sciences / Mühendislik ve Fen Bilimleri Dergisi, vol.32, pp.32-50, 2014 (Peer-Reviewed Journal)
8. **İZOFTALİK POLYESTER MATRİSLİ SÜREKLİ E-CAMI VE BAZALT FİBER TAKVİYELİ KOMPOZİTLERİN MEKANİK ÖZELLİKLERİ ÜZERİNE DENEYSEL BİR ÇALIŞMA**
    GÜMÜLCİNE T., BEKEM A., DOĞU M., GEMİCİ Z., ÜNAL A.
    Sigma: Journal of Engineering Natural Sciences / Mühendislik ve Fen Bilimleri Dergisi, vol.5, pp.104-115, 2013 (Peer-Reviewed Journal)
9. **SÜREKLİ E-CAM FİBER TAKVİYELİ POLİPROPİLEN KOMPOZİTLERİN ÜRETİMİ VE KARAKTERİZASYONU**
    BAYDAR D. G., BEKEM A., DOĞU M., GEMİCİ Z., ÜNAL A.
    Sigma: Journal of Engineering Natural Sciences / Mühendislik ve Fen Bilimleri Dergisi, vol.30, pp.120-132, 2012 (Peer-Reviewed Journal)

10. **Bünyesinde su bulunan sıkıştırılmış kar kürelerde ısı transferinin incelenmesi**
GEMİCİ Z., EĞRİCAN N.
ITU Journal Series D:Engineering (İTÜDERGİSİ/d - Mühendislik), vol.9, pp.71-82, 2010 (Peer-Reviewed Journal)

Books & Book Chapters

1. **Fuzzy Logic Based Heating and Cooling Control in Buildings Using Intermittent Energy**
EZBER S., AKDOĞAN E., GEMİCİ Z.
in: Advances in Intelligent Manufacturing and Service System Informatics, Şen, Zekai; Uygun , Özer; Erden, Caner, Editor, Springer Nature, pp.174-185, 2023
2. **Thermal Comfort Analysis of Novel Low Exergy Radiant Heating Cooling System and Energy Saving Potential Comparing to Conventional Systems**
KOCA A., GEMİCİ Z., BEDİR K., BÖKE Y. E., KANBUR B. B., TOPACOGLU Y.
in: Progress in Exergy, Energy, and the Environment, Ibrahim Dincer, Adnan Midilli, Haydar Kucuk, Editor, Springer International Publishing, pp.435-445, 2014

Refereed Congress / Symposium Publications in Proceedings

1. **Numerical Investigation of RAE M2129 Air Intake Performance With Different Mesh Quality and Turbulence Models**
Gemici Z., Meydan H. Y.
12th International Congress on Engineering, Architecture and Design, İstanbul, Turkey, 23 - 25 December 2023, pp.1-8
2. **The effect of gas port location and diameter on rate of fire in semi and fully automatic assault rifles**
Gemici Z., Karaeli C., Şerbetçi O., Aytuna L., Demir E., Günar Y.
3rd International Conference on Design, Research and Development, İstanbul, Turkey, 13 - 15 December 2023, pp.1-8
3. **Fuzzy Logic-Based Heating and Cooling Control in Buildings Using Intermittent Energy**
EZBER S., AKDOĞAN E., GEMİCİ Z.
12th International Symposium on Intelligent Manufacturing and Service Systems, 18 May 2023
4. **Development of Experimental and Numerical Methods for the Design of a Fuel Heat Exchanger Suitable for Additive Manufacturing for Unmanned Aerial Vehicles**
Topçu D., Gemici Z.
3rd International Symposium of Scientific Research and Innovative Studies, Balıkesir, Turkey, 15 - 18 March 2023, pp.204-218
5. **Experimental Investigation of Heat Transfer and Pressure Drop Characteristics of a Rectangular Narrow Channel Type Heat-Exchanger with Rectangular Staggered Fins**
Gemici Z., Ürkmez Ş.
Global Summit on Advanced Materials & Sustainable Energy (G-AMSE22), Van, Turkey, 3 - 04 October 2022, no.71, pp.1-10
6. **NUMERICAL SIMULATION AND EXPERIMENTAL VALIDATION OF FLOW AND HEAT TRANSFER IN AUTOCLAVING PROCESS**
Terzioğlu H., Erdem M. Y., Güngör B., Gemici Z., Atayilmaz Ş. Ö., Demir H.
16th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT-ATE 2022), Amsterdam, Netherlands, 8 - 10 August 2022, pp.793-1061
7. **A COMPARATIVE ENERGY MODELLING ANALYSES OF AN INTERMITTENT USED SPACE: A MOSQUE EXAMPLE**
OKUMUŞ M., GEMİCİ Z., DEMİR H.
6th International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 20 October 2021

8. **BİNA TEMELİNE VE ALTINDAKİ TOPRAĞA UYGULANAN TOPRAK KAYNAKLI ISI POMPASI SİSTEMİNİN DENEYSEL ÇALIŞMASI**
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Memberships / Tasks in Scientific Organizations

Management Board, Board Member, 2012 - 2018, Turkey
Management Board, Vice President, 2006 - 2018, Turkey
Management Board, Board Member, 2010 - 2016, Belgium

Scientific Refereeing

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Horizon Europe Project, Horizon Europe Project, European Innovation Council and SMEs Executive Agency, Belgium, November 2022
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TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, YALABIK MÜH. ELEKTRONİK TEKNOLOJİLERİ TİC. VE SAN. LTD. ŞTİ., Turkey, March 2019

Scientific Consultations

Öztiryakiler Madeni Eşya San. ve Tic. A.Ş, Scientific Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Deparment Of Mechanical Engineering, Turkey, 2022 - Continues
Günalsan Pompa, Project Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Deparment Of Mechanical Engineering, Turkey, 2021 - Continues
Kalekalıp A.Ş., Project Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Deparment Of Mechanical Engineering, Turkey, 2021 - Continues
TUSAŞ - TAI, Scientific Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Deparment Of Mechanical Engineering, Turkey, 2019 - Continues
Dalgakıran Kompresör, Scientific Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Deparment Of Mechanical Engineering, Turkey, 2021 - 2022
Mir Araştırma ve Geliştirme A.Ş., Scientific Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Deparment Of Mechanical Engineering, Turkey, 2019 - 2021

Metrics

Publication: 66
Citation (WoS): 133
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Research Areas

Social Sciences and Humanities, Management, Entrepreneurship and Innovation Management, Mechanical Engineering, Energy, Thermodynamics, Engineering and Technology

Non Academic Experience

Technology Development Zone, Istanbul University Technopark, Administration
Business Establishment Private, Mir Araştırma Ve Geliştirme A.Ş., Management
Non-profit Organisation, Uluslararası Teknoloji Birliği, Yönetim Kurulu
European Union, ACQUAEU (EUREKA CLUSTER FOR WATER), Management Board
Business Establishment Private, Dizayn Teknik Plastik Boru ve Elemanları A.Ş., Research and Development
Business Establishment Private, Dizayn Grup, Beylikdüzü, İstanbul, Research and Development
Business Establishment Private, Arçelik A.Ş. ArGe Merkezi, Research and Development