

Assoc. Prof. ALPER ERGÜN

Personal Information

Email: alperergun@karabuk.edu.tr

Web: <https://avesis.karabuk.edu.tr/alperergun>

Education Information

Under Graduate, Bartın Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2017 - 2018

Doctorate, Karabük Üniversitesi, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü, Turkey 2010 - 2014

Post Graduate, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Makine Eğitimi (YI) (Tezli), Turkey 2007 - 2010

Under Graduate, Zonguldak Karaelmas Üniversitesi, Turkey 2003 - 2007

Dissertations

Doctorate, Organik rankine çevrimi prensibine göre çalışan bir jeotermal elektrik santralının termoekonomik analizi, Karabük Üniversitesi, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü, 2014

Post Graduate, 80.000 m²'lik ısıtma soğutma ihtiyacı olan bir alışveriş merkezinin enerji ve ekserji analizi, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Makine Eğitimi (YI) (Tezli), 2010

Research Areas

Mechanical Engineering, Thermodynamics, Fuels and Combustion, Heating, Refrigerating and Air Conditioning, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Karabük Üniversitesi, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü, 2010 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Assessment of a solar-assisted infrared timber drying system**
AKTAŞ M., CEYLAN İ., ERGÜN A., GÜREL A. E. , ATAR M.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.36, pp.1875-1881, 2017 (Journal Indexed in SCI)
- II. **The mathematical modeling of concentrated photovoltaic module temperature**
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- III. **Exergoeconomic analysis of a geothermal organic Rankine cycle power plant using the SPECO method**
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- IV. **Energy-exergy-ANN analyses of solar-assisted fluidized bed dryer**
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- V. **Performance analysis of a concentrated photovoltaic and thermal system**
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SOLAR ENERGY, vol.129, pp.217-223, 2016 (Journal Indexed in SCI)
- VI. **Psychrometric and thermodynamic analysis of new ground source evaporative cooling system**
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- VII. **Experimental Investigation of a Household Refrigerator Performance Using Chimney-Type Condenser**
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ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.41, pp.1691-1697, 2016 (Journal Indexed in SCI)
- VIII. **Thermodynamic analysis of a new design of temperature controlled parabolic trough collector**
CEYLAN İ., ERGÜN A.
ENERGY CONVERSION AND MANAGEMENT, vol.74, pp.505-510, 2013 (Journal Indexed in SCI)
- IX. **Energy Analysis of a New Design of a Photovoltaic Cell-Assisted Solar Dryer**
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DRYING TECHNOLOGY, vol.31, pp.1077-1082, 2013 (Journal Indexed in SCI)
- X. **Estimation of global solar radiation on horizontal surface using meteorological data**
GÜREL A. E. , ERGÜN A.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.28, pp.941-948, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Klima Santrallerinde Yoğuşan Suyun Geri Kazanımı İçin Alternatif Yöntemler**
GÜREL A. E. , CEYLAN İ., ERGÜN A., ACAR B.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.6, pp.893-901, 2018 (Other Refereed National Journals)
- II. **Gaz Yakıtlı Bir Turbo Blower Santralinin Performans Analizi**
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Gazi Üniversitesi Fen Bilimleri Dergisi Part: C Tasarım ve Teknoloji, vol.5, pp.99-109, 2017 (Other Refereed National Journals)
- III. **Binary Santrallerde Çalışma Akışkanı Olarak Kullanılan n Pentan ın Patlama Riskinin İncelenmesi**
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- IV. **Organik Rankine Çevrimi Prensibi ile Düşük Sıcaklıktaki Kaynaklardan Elektrik Üretim Uygulamaları**
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- V. **Bir Hastanede Ameliyathane Klima Santrali Isıtma Hattının Ekserji Analizi**
ALTUNDAĞ A., GEDİK E., ERGÜN A., ARSLAN K., EKİCİLER R.
Makine Teknolojileri Elektronik Dergisi, vol.12, pp.103-114, 2015 (Other Refereed National Journals)
- VI. **ENERGY AND EXERGY ANALYSES OF THE HEATING SYSTEM IN A MULTIPURPOSE BUILDING**
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- VII. **Psychrometric analysis of a timber dryer**
CEYLAN İ., ERGÜN A.
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- VIII. **Experimental Examination On The Use Of Heat Pipe And Vacuum Tube In The Solar Energy Water Heating Systems Under The Conditions Of Karabük**
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- IX. **YAPI TESİSAT SİSTEMLERİNDE LEJYONELLA BAKTERİSİNİN OLUŞUMU VE ALINABİLECEK ÖNLEMLER**

Refereed Congress / Symposium Publications in Proceedings

- I. **ENVIROECONOMIC ANALYSIS PHOTOVOLTAIC THERMAL SYSTEM USING NANOPARTICLE IN PHASE CHANGE MATERIAL**
EYİNÇ H., ERGÜN A.
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, İstanbul, Turkey, 17 - 19 December 2019, pp.1130-1136
- II. **FOTOVOLTAİK HÜCRE SICAKLIĞININ TESPİTİNDE KULLANILAN FARKLI MODELLERİN İNCELENMESİ**
ERGÜN A., GÜREL A. E.
22. Uluslararası Isı Bilimi ve Tekniği Kongresi, Kocaeli, Turkey, 11 - 14 September 2019, vol.1, pp.330-335
- III. **PV PANELLERİN TERMOGRAFI YÖNTEMİ İLE İNCELENMESİ**
CEYLAN İ., YILDIZ G., ERGÜN A., GÜREL A. E.
Uluslararası Fen, Mühendislik ve Mimarlık Bilimlerinde Akademik Çalışmalar Sempozyumu, Ankara, Turkey, 15 - 17 November 2019, pp.580-592
- IV. **EXERGY ANALYSIS OF WASTE HEAT RECOVERY COGENERATIVE ORGANIC RANKINE CYCLE**
USTAOĞLU A., TORLAKLI H., ERDOĞMUŞ E., ERGÜN A.
INTERNATIONAL CONGRESS OF ACADEMIC RESEARCH, Bolu, Turkey, 16 - 18 September 2019, pp.347-354
- V. **Yoğunlaştırıcı Fotovoltaik/Termal Sistemlerde Faz Değiştiren Malzeme ve Nanopartikül Kullanımının Deneysel İncelenmesi**
ERGÜN A.
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- VI. **The Examination of PV Module Applications Installed on Sea or Dam: Case Of Antalya, Turkey**
CEYLAN İ., GÜREL A. E. , ERGÜN A.
International Congress on Mathematic, Engineering, Natural Health Sciences, KIEV, Ukraine, 11 - 13 August 2018, pp.1
- VII. **ENERGY EFFICIENCY IN AIR CONDITIONING SYSTEMS: EVAPORATIVELY RECOVERY OF CONDENSED WATER**
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- VIII. **ORGANİK RANKİNE ÇEVİRİMİNDE GAZ KARIŞIMLARININ DENEYSEL OLARAK İNCELENMESİ**
ERGÜN A., KALE M.
First International Conference on Energy Systems Engineering, Karabük, Turkey, 2 - 04 November 2017, pp.233-237
- IX. **Bir Hastanede Amaliyathane Klima Santrali Soğutma Hattının Ekserji Analizi**
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First International Conference on Energy Systems Engineering, Karabük, Turkey, 2 - 04 November 2017, pp.50
- X. **CFD Analysis of Al2O3-water nanofluid flow and convective heat transfer in circular pipe**
YİĞİT M., GEDİK E., ERGÜN A.
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- XI. **ORGANİK RANKİNE ÇEVİRİMİ PRENSİBİNE GÖRE ÇALIŞAN BİR JEOTERMAL ELEKTRİK SANTRALİNİN TERMODİNAMİK ANALİZİ**
ERGÜN A., ÖZKAYMAK M., AKSOY KOÇ G., OZKAN S.
ULUSLAR ARASI MÜHENDİSLİK ARAŞTIRMALARI SEMPOZYUMU, Düzce, Turkey, 11 October - 13 September 2017, pp.15-26
- XII. **Alternatif Soğutucu Akışkanların Termodinamik Analizi**

GÜREL A. E. , ERGÜN A., CEYLAN İ.

Uluslararası Mühendislik Araştırmaları Sempozyumu, Turkey, 11 - 13 September 2017, pp.32

XIII. DESIGN, MANUFACTURING AND EXPERIMENTAL INVESTIGATION OF ORGANIC RANKINE CYCLE APPARATUS

ERGÜN A.

International Science and Technology Conference, Berlin, Germany, 17 - 19 July 2017, pp.226-232

XIV. Evaluation of Commercial Type of Split Air Conditions by Using Condenser Waste Heat in a Boiler
ERGÜN A., GEDİK E., ÖZKAYMAK M., ŞANSLI B.

International Conference on Engineering and Natural Science, Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, vol.4, pp.900-904

XV. Effects Of The Ejector On Vapour Compression Cooling System

ACAR B., ERGÜN A., KILIÇASLAN E.

International Conference on Engineering and Natural Science, Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, vol.10, pp.2771-2777

XVI. Effects of The Ejector Usage On Vapour Compression Cooling System

ACAR B., ERGÜN A., KILIÇASLAN E.

ICENS International Conference on Engineering and Natural Science, 24 - 28 May 2016, vol.10, pp.2771-2777

XVII. Binary Santrallerde Çalışma Akışkanı Olarak Kullanılan N Pentan ın Patlama Riskinin İncelenmesi
AHMET O., ERGÜN A., ERDOĞAN E., GONCA A. K. , OZKAN S.

Ulusal Mühendislik Araştırmaları Sempozyumu, Düzce, Turkey, 10 - 12 September 2015, pp.65-66

XVIII. Organik Rankine Çevrimi Prensibi İle Düşük Sıcaklıktaki Kaynaklardan Elektrik Üretim Uygulamaları
ERGÜN A., ÖZKAYMAK M., KILIÇASLAN E.

Ulusal Mühendislik Araştırmaları Sempozyumu, Düzce, Turkey, 10 - 12 September 2015, pp.49-50

XIX. Energy Efficiency Enhancement of a Household Refrigerator Using With Oil Cooling Condenser
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International Conference on Engineering and Natural Science, Üsküp, Macedonia, 15 - 19 May 2015, pp.488-495

XX. Numerical investigation of Al2O3 water nanofluid flow and heat transfer in sudden expansion channels

GEDİK E., MUHAMMED ATIF T., ERGÜN A., ACAR B.

International Conference on Engineering and Natural Science, Skopje, Macedonia, 15 - 19 May 2015, pp.541-548

XXI. BİR HASTANEDE AMALİYATHANE KLİMA SANTRALİ İSITMA HATTININ EKSERJİ ANALİZİ
ALTUNDAĞ A., GEDİK E., ERGÜN A., ARSLAN K., EKİCİLER R.

3. Anadolu Enerji Sempozyumu, Muğla, Turkey, 1 - 03 October 2015, pp.776-785

XXII. First and Second Law Analysis of Central Cooling System of a Multipurpose Buildings

ERGÜN A., MENLİK T., ÖZKAYA M. G.

INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE, Karabük, Turkey, 18 - 20 May 2014, vol.12, pp.1974-1983

XXIII. Çevre Sıcaklığının Gaz Türbini Performansına Etkisi

ERGÜN A., AKSU B., KURT H.

Ulusal Isı Bilimi ve Tekniği Kongresi, Zonguldak, Turkey, 8 - 11 September 2011, vol.1, pp.198-205

Supported Projects

ERGÜN A., Project Supported by Higher Education Institutions, The Examination of pv module applications installed on sea or dam: case of Antalya TURKEY, 2018 - 2018

ERGÜN A., Project Supported by Higher Education Institutions, Summer Application of Concentrated Photovoltaic Cooling System, 2017 - 2018

ERGÜN A., Project Supported by Higher Education Institutions, Nanopartikül ve Faz Değiştiren Malzemeli Bir Fotovoltaik Termal Sistemin Deneysel Analizi, 2017 - 2018

ERGÜN A., Project Supported by Higher Education Institutions, Design, Manufacturing and Experimental Investigation of

Organic Rankine Cycle Apparatus, 2017 - 2017

ERGÜN A., Project Supported by Higher Education Institutions, Organik Rankine Çevriminde Gaz Karışımlarının Deneysel Olarak İncelenmesi, 2016 - 2017

ERGÜN A., Project Supported by Higher Education Institutions, THERMODYNAMIC ANALYSIS OF INFRARED TIMBER DRYER, 2016 - 2017

ERGÜN A., Project Supported by Higher Education Institutions, EVALUATION of COMMERCIAL TYPE of SPLIT AIR CONDITIONS by USING CONDENSER WASTE HEAT in A BOILER, 2016 - 2016

Citations

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