

Assoc. Prof. BETÜL SARAÇ

Personal Information

Office Phone: [+90 462 377 8075](tel:+904623778075)

Fax Phone: [+90 462 752 2158](tel:+904627522158)

Email: bsarac@ktu.edu.tr

Web: <https://avesis.ktu.edu.tr//bsarac>

Address: 61530

International Researcher IDs

ScholarID: wJOfU00AAAAJ

ORCID: 0000-0003-3876-7314

Publons / Web Of Science ResearcherID: AAX-2546-2020

ScopusID: 3105989

Yoksis Researcher ID: 152749

Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Bölümü, Turkey 1996 - 2004

Postgraduate, Karadeniz Technical University, -, Makina Mühendisliği, Turkey 1994 - 1996

Research Areas

Mechanical Engineering, Thermodynamics, Heating, Refrigerating and Air Conditioning, Thermal Systems, Thermal machines, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Karadeniz Technical University, Sürmene Deniz Bilimleri Fakültesi, Gemi İnşaatı ve Gemi Makineleri Mühendisliği, 2019 - Continues

Assistant Professor, Karadeniz Technical University, Sürmene Deniz Bilimleri Fakültesi, Gemi İnşaatı ve Gemi Makineleri Mühendisliği, 2008 - 2019

Lecturer, Karadeniz Technical University, Sürmene Deniz Bilimleri Fakültesi, Gemi İnşaatı ve Gemi Makineleri Mühendisliği, 1998 - 2008

Lecturer, Ordu University, Vocational School, Makine Konstrüksiyon, 1995 - 1998

Academic and Administrative Experience

Head of Department, Karadeniz Technical University, Sürmene Deniz Bilimleri Fakültesi, Gemi İnşaatı ve Gemi Makineleri Mühendisliği, 2021 - Continues

Deputy Head of Department, Karadeniz Technical University, Sürmene Deniz Bilimleri Fakültesi, Gemi İnşaatı E Gemi Makineleri Mühendisliği Bölümü, 2012 - 2021

Courses

termodinamik, Undergraduate, 2021 - 2022

Advising Theses

Saraç B., Sarkaç tipi dalga enerji sistemi hidrodinamik performansının nümerik ve deneysel olarak incelenmesi, Doctorate, F.ALVER(Student), 2024

Saraç B., Gemi buhar kazanlı ısıtma sisteminde arıza risk değerlendirmesi, Postgraduate, Ş.KUTAY(Student), 2023

Saraç B., DEPENDING ON THE SHIP ROUTE, DETERMINATION OF THE PERFORMANCE OF THE SHIP COOLING SYSTEM BY USING ENERGY, EXERGY, ADVANCED EXERGY AND EXERGY ECONOMY METHODS, Postgraduate, C.Nacak(Student), 2020

Saraç B., Thesis, Postgraduate, F.Alver(Student), 2017

Saraç B., Thesis, Postgraduate, S.Karaca(Student), 2015

Jury Memberships

Doctorate, Doktora Tez savunma, Doktora Tez savunma, April, 2017

Post Graduate, Üye, Yüksek lisanas tez savunması, April, 2012

Post Graduate, Üye, Yüksek lisans tez savunması, April, 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Thermodynamic analysis of drying cycles utilizing a desiccant wheel thermoelectric modules and heat pipe for the drying of hazel nuts in the East Blacksea climatic conditions**
Saraç B., Demirtaş C., Ayhan T.
Journal of Thermal Analysis and Calorimetry, vol.1, no.1, pp.1-2, 2024 (SCI-Expanded)
- II. **Free convection heat transfer and buoyancy-assisted flow over a heated plate inserted horizontally in a vertical channel with time-varying conditions**
Saraç B., Aksu E., Demirtaş C., Ayhan T.
Journal of Thermal Analysis and Calorimetry, vol.149, no.5, pp.2255-2271, 2024 (SCI-Expanded)
- III. **Waste heat recovery assessment of triple heat-exchanger usage for ship main engine pre-heating and fresh water generation systems**
Çolak K., Ölmez H., Saraç B.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, vol.238, no.1, pp.209-230, 2024 (SCI-Expanded)
- IV. **The performance assessment of a refrigeration system which exists on a cargo vessel influenced by seawater-intake temperature**
Nacak C., Saraç B.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.146, no.3, pp.1229-1243, 2021 (SCI-Expanded)
- V. **APPLICATION OF ADVANCED EXERGY METHOD TO THE VAPOUR COMPRESSION COOLING TEST UNIT SARAÇ B.**
ISI BİLİMİ VE TEKNİĞİ DERGİSİ-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.41, no.1, pp.157-166, 2021 (SCI-Expanded)
- VI. **Estimating of shipping emissions in the Samsun Port from 2010 to 2015**
Alver F., SARAÇ B., Sahin U. A.
ATMOSPHERIC POLLUTION RESEARCH, vol.9, no.5, pp.822-828, 2018 (SCI-Expanded)
- VII. **Experimental Investigation and Computational Fluid Dynamics Analysis of Flow and Heat Transfer**

for Heated Plate

AKSU E., SARAÇ B., Ayhan T.

JOURNAL OF THERMOPHYSICS AND HEAT TRANSFER, vol.31, no.4, pp.937-946, 2017 (SCI-Expanded)

VIII. Exergy analysis in the withering process for Turkish black tea production

Sarac B.

INTERNATIONAL JOURNAL OF EXERGY, vol.18, no.3, pp.323-339, 2015 (SCI-Expanded)

IX. Experimental investigation of decaying swirl flow through a circular pipe for binary combination of vortex generators

BALİ T., SARAC B. A.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.53, pp.174-179, 2014 (SCI-Expanded)

X. Heat transfer from a short plate behind an obstacle in tandem

SARAÇ B., Al-Madani H., Ayhan T.

ENERGY CONVERSION AND MANAGEMENT, vol.52, no.10, pp.3147-3158, 2011 (SCI-Expanded)

XI. Exergy analysis of heat transfer in a turbulent pipe flow by a decaying swirl generator

BALİ T., SARAC B.

INTERNATIONAL JOURNAL OF EXERGY, vol.5, no.1, pp.64-77, 2008 (SCI-Expanded)

XII. An experimental study on heat transfer and pressure drop characteristics of decaying swirl flow through a circular pipe with a vortex generator

Sarac B. A., Bali T.

EXPERIMENTAL THERMAL AND FLUID SCIENCE, vol.32, no.1, pp.158-165, 2007 (SCI-Expanded)

XIII. Neural network methodology for heat transfer enhancement data

Ayhan-Sarac B., KARLIK B., Bali T., AYHAN T.

INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, vol.17, pp.788-798, 2007 (SCI-Expanded)

XIV. Heat Transfer and Flow Structure in a Rectangular Channel with Wing-Type Vortex Generator

SARAÇ B., Kotcooğlu İ., olgun h., Ayhan T.

Turkish Journal of Engineering and Environmental Sciences, no.22, pp.185-195, 1998 (SCI-Expanded)

Articles Published in Other Journals

I. Exergoeconomic Analysis of The Performance of a Ship Cooling System Whose Condensing Unit is Cooled by Seawater

Nacak C., Saraç B., Ayhan T.

Journal of advanced research in natural and applied sciences (Online), vol.9, no.4, pp.775-787, 2023 (Peer-Reviewed Journal)

II. Thermodynamic Analysis of Effects of the Inlet Air Cooling on Cycle Performance in Combined BraytonDiesel Cycle

Saraç B., Ayhan T.

Hittite Journal of Science and Engineering, vol.7, no.1, pp.7-16, 2020 (Peer-Reviewed Journal)

III. Ro-Ro Kargo Gemisi İçin Tanımlanan Kurutuculu Buharlaştırma Soğutma Sistemlerinin Termodinamik Analizi

Saraç B.

DEÜ FMD, vol.21, no.63, pp.733-740, 2019 (Peer-Reviewed Journal)

IV. Experimental Investigation and CFD Modeling to Assess the Performance of Solar Air Humidifier

Al-Abbasi O., SARAÇ B., Ayhan T.

INTERNATIONAL JOURNAL OF HEAT AND TECHNOLOGY, vol.37, no.1, pp.357-364, 2019 (ESCI)

V. Application of Exergy Analysis to Black Tea Production Process in Çamlı Tea Factory

Saraç B.

International Journal of Science and Research, vol.79, no.57, pp.749-755, 2018 (Peer-Reviewed Journal)

VI. Nem-Alıcı ve Buharlaştırma-Soğutmalı Hava Şartlandırma Sistemlerinin Çay Fabrikalarında

Kullanılabilirliğinin Termodinamik Analizi

SARAÇ B.

Dokuz Eylül Üniversitesi Fen ve Mühendislik Dergisi, vol.19, no.57, pp.927-937, 2017 (Peer-Reviewed Journal)

VII. Investigation of turbulators for fire tube boilers using exergy analysis

SARAÇ B., DEMİRTAŞ C.

Turkish Journal of Engineering and Environmental Sciences, vol.25, no.4, pp.249-258, 2001 (Scopus)

VIII. Konvektif ısı transferini iyileştiren türbülator performanslarının ekserji analizi yöntemiyle incelenmesi

SARAÇ B., BALI T.

Metal Makina, no.76, pp.22-29, 1996 (Non Peer-Reviewed Journal)

IX. Kazan Verimini İyileştirmede Konik Halka Yüzeyli Türbülatorların Kullanılması

Saraç B., Demirtaş C., Ayhan T., Azak Y.

Metal Makina, no.69, pp.8-14, 1995 (Non Peer-Reviewed Journal)

Books & Book Chapters

I. CANLI BALIK TRANSFERİNDE KULLANILAN POMPALAR

Göktuğ M. İ., Saraç B., Aksu E.

in: MÜHENDİSLİK ALANINDA ULUSLARARASI ÇALIŞMALAR, COŞKUN ÖZALP, SELAHATTİN BARDAK, Editor, Serüven Yayınevi / Serüven Publishing, Ankara, pp.165-175, 2024

II. Farklı Motor Güçlerindeki Gemi Atık Enerji Kazanımında Kritik Nokta Üzeri Çalışan Karbondioksitli Reküperatörlü Rankine Çevriminin Performans Analizi

Saraç B.

in: Doğa ve Mühendislik Bilimlerinde Güncel Tartışmalar 10, Hikmet Yeter ÇOĞUN, Ferit KARGIN, Editor, DGE Yayınları, Ankara, pp.15-24, 2023

III. DENİZALTI TAHRİK SİSTEMLERİNİN DEĞERLENDİRİLMESİ

Ulucutsoy A., Saraç B., Aksu E.

in: MÜHENDİSLİK ALANINDA ULUSLARARASI TEORİ, ARAŞTIRMA VE DERLEMELER CİLT 1, ÖZALP Coşkun, BARDAK Selahattin, Editor, Serüven Yayınevi, Ankara, pp.103-116, 2023

IV. Gemilerde Sevk Sistemlerinde Yenilenebilir Enerji Kullanımı

Ulucutsoy A., Aksu E., Saraç B.

in: Doğa ve Mühendislik Bilimlerinde Güncel Tartışmalar 6, ÇOĞUN Y. Hikmet, ÜZMUŞ Hasan, Editor, Bilgin Kültür Sanat Yayınları, Ankara, pp.390-404, 2022

V. THERMODYNAMIC ANALYSIS OF THE REFRIGERATION TEST EVAPORATOR UNIT WITH ADVANCED EXERGY ANALYSIS

Saraç B., Ayhan T.

in: Research and review in Engineering, Belma hasdemir, Mahmut Turhan, Cerren Karaman, Editor, Gece kitaplığı, Ankara, pp.99-121, 2021

VI. Thermodynamic Analysis of the Power Unit for Ro-Ro Cargo Vessel with Respect to Pitch Angles of Propeller Blades

KARACA S., SARAÇ B., AKSU E.

in: Developments in Science and Engineering, Recep Efe, Lia Matchavariani, Abdulkadir Yaldir, László Lévai, Editor, ST. KLIMENT OHRIDSKI UNIVERSITY PRESS, Sofija, pp.283-300, 2016

VII. Numerical and experimental investigation of enhancement of turbulent flow heat transfer in tubes by means of truncated hollow cone inserts

AYHAN T., AZAK Y., DEMİRTAŞ C., SARAÇ B.

in: Heat Transfer Enhancement of Heat Exchangers, S. KAKAÇ A.E. BERGELES F. MAYINGER H. YÜNCÜ, Editor, Kluwer Academic Publisher, pp.347-356, 1999

Refereed Congress / Symposium Publications in Proceedings

- I. **Ship Resistance Reduction Methods**
ULUCUTSOY A., SARAÇ B., AKSU E.
4th International Naval Architecture and Maritime Symposium, İstanbul, Turkey, 11 - 13 October 2023, vol.1, pp.1083-1097
- II. **WASTES OCCURRED ON SHIPS AND METHODS OF DISPOSAL OF WASTE UNDER THE MARPOL 73/78 CONVENTION**
Ulucutsoy A., Saraç B.
INTERNATIONAL SYMPOSIUM ON MARINE LITTER IN THE BLACK SEA: ECOLOGICAL AND SOCIO-ECONOMIC PROBLEMS, Trabzon, Turkey, 31 October - 02 November 2022, vol.1, pp.80
- III. **HAVADAN BAĞIMSIZ DENİZALTI SEVK SİSTEMLERİ TEKNOLOJİLERİNİN DEĞERLENDİRİLMESİ**
Ulucutsoy A., Saraç B.
5.Ulusal Deniz Bilimleri Konferansı, Trabzon, Turkey, 1 - 03 June 2022, vol.1, pp.206-207
- IV. **HAVADAN BAĞIMSIZ DENİZALTI SEVK SİSTEMLERİ TEKNOLOJİLERİNİN DEĞERLENDİRİLMESİ**
ULUCUTSOY A., SARAÇ B.
5. Ulusal Deniz Bilimleri Konferansı, Trabzon, Turkey, 01 June 2022, pp.206
- V. **OUTLINE OF THE INNOVATIVE IDEA ON THE ENHANCEMENT OF NATURAL VACUUM DESALINATION (NVD) TECHNIQUE BY USING THERMOELECTRIC MODULES**
RASHID A., AYHAN T., DEMİRTAŞ C., SARAÇ B., KESKİN F.
Proceedings of the 2nd International Congress on Ship and Marine Technology 16-18 September 2021, Yıldız Teknik Üniversitesi, İstanbul, İstanbul, Turkey, 16 - 18 September 2021, pp.105-115
- VI. **NEMLİ ATMOSFERİK HAVADAN SU ELDESİNDE KONİK KÜTLE YÜZEYİNDE OLUŞAN YOĞUŞUK ÜRETİMİNİN İNCELENMESİ**
KESKİN F., SARAÇ B., DEMİRTAŞ C., AKSU E., AYHAN T.
ULIBTK'21 Uluslararası Katılımlı 23. Isı Bilimi ve Tekniği Kongresi, 08-10 Eylül 2021, GAZİANTEP, Gaziantep, Turkey, 8 - 10 September 2021, pp.1374-1382
- VII. **GEMİ ANA MAKİNE ÖN ISITMASINDA DİZEL JENERATÖR EGZOZ GAZLARI KULLANIMININ ENERJİ TASARRUFUNA ETKİSİNİN TERMODİNAMİK ANALİZİ**
Çolak K., Ölmez H., Saraç B.
2nd INTERNATIONAL CONGRESS ON SHIP AND MARINE TECHNOLOGY, İstanbul, Turkey, 16 - 18 September 2021, pp.587-602
- VIII. **SERENDER TİPİ KURUTMA KABİNİNE UYGULANAN YENİLİKÇİ KLİMA KANALININ ENERJİ VERİMİ TASARIMI**
KESKİN F., DEMİRTAŞ C., SARAÇ B., AYHAN T.
II. International Science and Innovation Congress, 25-27 July 2021, TURKEY, Turkey, 25 - 27 July 2021
- IX. **Dönme Üreteçlerine Ait Şekil Direnci Katsayılarının Belirlenmesi İçin Boyut Analizi Esaslı Bir Yöntem**
BALI T., SARAÇ B.
15. Ulusal Isı Bilimi ve Tekniği Kongresi, Trabzon, Turkey, vol.2, pp.735
- X. **Bir Ortam Havası Soğutma Süreçlerindeki Tersinmezliklerin Üfleme Havası Ekserji Değeri Limitlerine Etkileri**
SARAÇ B., AKSU E., Ayhan T.
4th International Symposium on Innovative Approaches in Engineering and Natural Sciences, Samsun, Turkey, 22 - 24 November 2019
- XI. **Investigation of maximum work potentials in a vessel diesel engine waste heat according to Carnot theory**
SARAÇ B., AKSU E., NACA K.
3th International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, vol.25, pp.529-536
- XII. **BRAYTON-DİZEL BİLEŞİK ÇEVİRİMİNDE GİRİŞ HAVASI SOĞUTMA UYGULAMASININ ÇEVİRİM PERFORMANSINA ETKİLERİNİN TERMODİNAMİK ANALİZİ**

Saraç B., Ayhan T.

ULIBTK'19 22th Congress of Thermal Sciences and Technology, Kocaeli, Turkey, 11 - 14 September 2019, vol.1, pp.118

XIII. Optimum Insulation Thickness Of Spherical Cargo Tank Of Lng Carrier Ships

KONAL M., SARAÇ B.

1st International Technology Sciences and Design Symposium, 27 - 29 June 2018

XIV. Evaluation of Unman System Ships

SARAÇ B., NACAĞ C., ALVER F.

1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018, pp.133

XV. Evaluation of Ship Emissions in Giresun Port

SARAÇ B., ALVER F., NACAĞ C., Alver Şahin Ü.

1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018, pp.135

XVI. Carbon Dioxide Emissions From Ships in Giresun Port, Turkey

SARAÇ B., ALVER F., Alver Şahin Ü.

1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018, pp.201

XVII. Compressed Air Storage with Renewable Energy Resources

SARAÇ B., AYHAN T.

EJONS International Congress on Mathematic, Engineering and Natural Sciences-III, Mardin, Turkey, 21 - 22 April 2018, pp.163

XVIII. Design configuration analysis of renewable energy powered water harvesting device from air

SARAÇ B., AYHAN T.

International Forestry and Environment Symposium "Climate Change and Tree Migration IFES2017, Trabzon, Turkey, 7 - 11 November 2017, pp.1

XIX. Evalautaiion of ship sourced Carbondioxide emissions in Samsun Port Turkey

ALVER F., SARAÇ B., NACAĞ C., ALVER ŞAHİN Ü.

GMO SHIPMAR-2016, 5 - 07 December 2016

XX. Implementation of Computer-Aided Engineering Graphics Techniques in Naval Architecture and Marine Mechanical Engineering Program

SARAÇ B., AKSU E.

2nd International Scientific Researches Congress on Humanities and Social Sciences (IBAD-2017), İstanbul, Turkey, 20 - 23 April 2017, pp.93

XXI. EVALUATION OF SHIP SOURCED CARBON DIOXIDE EMISSIONS IN SAMSUN PORT, TURKEY

ALVER F., SARAÇ B., NACAĞ C., ALVER ŞAHİN Ü.

GMO SHIPMAR 2016, İstanbul, Turkey, 8 - 09 December 2016, pp.53

XXII. EXERGY ANALYSIS OF A SOLAR DISTILLATION UNIT (HUMIDIFICATION-DEHUMIDIFICATION CYCLE) INCLUDING AN AIR-HEATING SOLAR COLLECTOR AND A CONDENSER IN BAHRAIN

SARAÇ B., Al-Abbasi O., Abdalla A. Y., Ayhan T.

World Renewable Energy Congress – 17, Manama, Bahrain, 4 - 07 December 2016, pp.59

XXIII. Emission Inventory of Ships in Samsun Port, Turkey

ALVER F., SARAÇ B., ALVER ŞAHİN Ü.

1st INTERNATIONAL BLACK SEA CONGRESS ON ENVIRONMENTAL SCIENCES, Giresun, Turkey, 31 August - 03 September 2016, pp.111

XXIV. Neural network modelling of heat transfer from a heated plate in an array of plates

SARAÇ B., ÜNCÜ Ü., AYHAN T., Al madani H.

2nd International Conference on Informatics, Çanakkale, Turkey, 27 - 29 April 2011

XXV. Heat Transfer and Friction Factor Correlations for Decaying Turbulent Swirl Flow with Multiple Swirl Generators

BALİ T., SARAÇ B.

- 4th International Energy, Exergy and Environment Symposium, Sharjah, United Arab Emirates, 19 - 23 April 2009, vol.-
- XXVI. **Heat transfer and friction factor correlations for decaying turbulent swirl flow in a horizontal pipe**
BALI T., SARAÇ B.
The 3rd Int. Energy, Exergy and Environmental Symposium, Evora, Portugal, 1 - 05 July 2007
- XXVII. **Analysis of Exergetic Efficiency for Turbulent Swirl Flow in a Circular Pipe with Multiple Swirl Generators**
BALI T., SARAÇ B.
2th International Green Energy Conference, Oshawa, Canada, 25 - 29 June 2006, vol.-
- XXVIII. **Dönme üreteçlerine ait şekil direnci katsayılarının belirlenmesi için boyut analizi esaslı bir yöntem**
BALI T., SARAÇ B.
15. Ulusal Isı Bilimi ve Tekniği Kongresi, Trabzon, Turkey, 7 - 09 September 2005, vol.2, pp.735-740
- XXIX. **Eksenel dönme üreteçlerinin değişik tip ve konumları için azalan dönmeli akışta ısı geçişi ve basınç düşümü incelemeleri**
SARAÇ B., BALI T.
15. Ulusal Isı Bilimi ve Tekniği Kongresi, Turkey, 7 - 09 September 2005, vol.1, pp.135-142
- XXX. **Heat transfer pressure drop and exergy relationship for tubes axial swirling flow promoters**
SARAÇ B., BALI T., AYHAN T.
14th International Conference on Thermal Engineering and Thermogrammetry, Budapest, Hungary, 22 - 24 June 2005
- XXXI. **Second law analysis for augmentation of heat transfer in a rectangular channel by means of wing type vortex generator**
KOTCIOĞLU İ., AYHAN T., OLGUN H., SARAÇ B.
11th conference Thermal Engineering and Thermogrammetry, Budapest, Hungary, 16 - 19 June 1999
- XXXII. **Turbulent Flow Field and Heat Transfer in Tangentially Injected Swirl Flows in Tubes**
AYHAN B., DEMİRTAŞ C., AZAK Y.
The Second Trabzon International Energy and Environment Symposium (TIEES-98), Trabzon, Turkey, 29 - 31 July 1998, pp.437-440
- XXXIII. **Numerical and Experimental Investigation of Enhancement of Turbulent Flow Heat Transfer in Tubes by Means of Truncated Hollow Cone Inserts**
AYHAN T., AZAK Y., DEMİRTAŞ C., SARAÇ B.
Proceedings of the NATO Advanced Study Institute on Heat Transfer Enhancement of Heat Exchangers, 25 May 1998, pp.347-356
- XXXIV. **Performance evaluation of heat exchanger with a vaneless diffuser at the inlet of inner tube using exergu analysis**
SARAÇ B.
10 th International Conference on Thermal Engineering and Thermogrammetry, Budapest, Hungary, 18 - 20 June 1997, pp.1-6
- XXXV. **A second law analysis of the optimum desing and peration of conical ring inserted for turbulent flow heat transfer**
Yusuf A., DEMİRTAŞ C., SARAÇ B.
First International Energy and Environment Symposium, Trabzon, Turkey, 29 - 31 July 1996
- XXXVI. **Exergy analysis of the enhancement of turbulent convective heat transfer in tubes by means of wire-coil inserts**
SARAÇ B.
First Trabzon International Energy and Environment Symposium, Trabzon, Turkey, 29 - 31 July 1996, pp.663-668
- XXXVII. **Şartlandırılmış Hava İle Fındık Kurutma Deney Düzeneği**
DEMİRTAŞ C., KARABAY H., SARAÇ B., TEOMAN A.
Dördüncü Ulusal Soğutma ve İklimlendirme Tekniği Kongresi, Adana, Turkey, 10 - 12 April 1996, no.5, pp.32-42
- XXXVIII. **Boru girişinde dönmeli akış üreticisi bulunduran silindirik borularda ısı transferinin incelenmesi**
SARAÇ B., AYHAN T.

Supported Projects

DEMİRTAŞ C., SARAÇ B., KAYGUSUZ K., DEMİRTAŞ Ö. F., AYHAN T., ÖKSÜZ Ö., ÇAKIR O., Project Supported by Higher Education Institutions, KARADENİZ BÖLGESİNDE YETİŞEN ÜRÜNLERİNİN DOĞAL KURUTMA ŞARTLARINI SAĞLAYAN YENİLENEBİLİR ENERJİ DESTEKLİ KURUTMA SİSTEMİ TASARIMI, 2022 - Continues

SARAÇ B., ÜNVER B., AYHAN T., Project Supported by Higher Education Institutions, Havuzcuklu - Kanatçıklı Isı ve Kütle Transfer Ünitesi, 2019 - 2020

SARAÇ B., ÜNVER B., SARAL D., GÜRGEN S., Project Supported by Higher Education Institutions, Deniz Yüzeyi Çöp Toplama Gemisi, 2019 - 2020

Patent

Saral D., Ünver B., Saraç B., Kreynli Hasta Müdahale Gemisi, Utility Model, CHAPTER A Human Needs, The Invention Registration Number: 2018/08690 , Standard Registration, 2022

Ünver B., Saral D., Gürgen S., Saraç B., Deniz Yüzeyi Çöp Toplama Gemisi , Utility Model, CHAPTER A Human Needs, The Invention Registration Number: 2019/07955 , Standard Registration, 2021

Metrics

Publication: 68

Citation (WoS): 176

Citation (Scopus): 217

H-Index (WoS): 5

H-Index (Scopus): 6

Non Academic Experience

İstanbul Teknik Üniversitesi

University of Bahrain