

## Lect. PhD ARZU KEVEN

### Personal Information

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### International Researcher IDs

ORCID: 0000-0003-0040-9167

Publons / Web Of Science ResearcherID: G-1018-2018

Yoksis Researcher ID: 156363

### Education Information

Doctorate, Firat University, Institute Of Science, Turkey 2005 - 2013

Postgraduate, Firat University, Institute Of Science, Turkey 2002 - 2005

Undergraduate, Firat University, Faculty Of Technical Education, Department Of Mechanics Education, Turkey 1998 - 2002

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Lecturer PhD, Kocaeli University, Gölcük Meslek Yüksekokulu, Motorlu Araçlar ve Ulaştırma Teknolojileri, 2005 - Continues

### Academic and Administrative Experience

Internship Committee Member, Kocaeli University, Gölcük Meslek Yüksekokulu, Motorlu Araçlar ve Ulaştırma Teknolojileri, 2022 - Continues

Erasmus Program Department Coordinator, Kocaeli University, Gölcük Meslek Yüksekokulu, 2022 - Continues

Yüksekokul Kurulu Üyesi, Kocaeli University, Gölcük Meslek Yüksekokulu, Motorlu Araçlar ve Ulaştırma Teknolojileri, 2022 - Continues

Birim Kalite Komisyonu Üyesi, Kocaeli University, Gölcük Meslek Yüksekokulu, Motorlu Araçlar ve Ulaştırma Teknolojileri, 2022 - Continues

Yüksekokul Yönetim Kurulu Üyesi, Kocaeli University, Gölcük Meslek Yüksekokulu, Motorlu Araçlar ve Ulaştırma Teknolojileri, 2022 - Continues

Assistant Director of Vocational School, Kocaeli University, Gölcük Meslek Yüksekokulu, Motorlu Araçlar ve Ulaştırma Teknolojileri, 2022 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Kocaeli University, Gölcük Meslek Yüksekokulu, Motorlu Araçlar ve Ulaştırma Teknolojileri, 2021 - Continues

Deputy Head of Department, Kocaeli University, Gölcük Meslek Yüksekokulu, Motorlu Araçlar ve Ulaştırma Teknolojileri, 2008 - 2022

## Courses

Teknik resim, Associate Degree, 2023 - 2024

Benzinli motor teknolojileri, Associate Degree, 2023 - 2024

Benzinli Motor Teknolojileri, Associate Degree, 2023 - 2024

DİZEL MOTOR TEKNOLOJİLERİ, Associate Degree, 2022 - 2023

ALTERNATİF MOTOR VE YAKIT SİSTEMLERİ, Associate Degree, 2022 - 2023

ALTERNATİF MOTOR VE YAKIT SİSTEMLERİ, Associate Degree, 2022 - 2023

Teknik resim, Associate Degree, 2023 - 2024

DİZEL MOTOR TEKNOLOJİLERİ, Associate Degree, 2022 - 2023

Otomotiv Elektrikliği, Associate Degree, 2023 - 2024

BENZİNLİ MOTOR TEKNOLOJİSİ, Associate Degree, 2022 - 2023

BENZİNLİ MOTOR TEKNOLOJİSİ, Associate Degree, 2022 - 2023

HAREKET KONTROL SİSTEMLERİ, Associate Degree, 2022 - 2023

HAREKET KONTROL SİSTEMLERİ, Associate Degree, 2022 - 2023

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Analysis of cascade vapor compression refrigeration system using nanorefrigerants: Energy, exergy, and environmental (3E)**  
YILMAZ M., CİMŞİT C., KEVEN A., Karaali R.  
Case Studies in Thermal Engineering, vol.57, 2024 (SCI-Expanded)
- II. **Exergetic performance analyses of three different cogeneration plants**  
Keven A.  
OPEN CHEMISTRY, vol.21, no.1, 2023 (SCI-Expanded)
- III. **Performance analyses of detonation engine cogeneration cycles**  
Keven A.  
Open Chemistry, vol.21, no.1, 2023 (SCI-Expanded)
- IV. **Exergy analyses of two and three stage cryogenic cycles**  
Atasbak M., Keven A., Karaali R.  
APPLIED RHEOLOGY, vol.32, no.1, pp.190-204, 2022 (SCI-Expanded)
- V. **Evaluation of four different cogeneration cycles by using some criteria**  
Karaali R., KEVEN A.  
APPLIED RHEOLOGY, vol.32, no.1, pp.122-137, 2022 (SCI-Expanded)
- VI. **Investigation of an Alternative Fuel for Diesel Engines**  
KEVEN A., Karaali R.  
ACTA PHYSICA POLONICA A, vol.128, 2015 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Emission and Lubrication Performance of Hazelnut Oil as A Lubricant**  
Keven A., Öner C.  
International Journal of Computational and Experimental Science and Engineering (IJCESEN), vol.9, no.3, pp.219-

224, 2023 (Peer-Reviewed Journal)

**II. Exergy Analyses of Vehicles Air Conditioning Systems for Different Refrigerants**

Keven A.

International Journal of Computational and Experimental Science and Engineering (IJCESEN), vol.9, no.1, pp.20-28, 2023 (Scopus)

**III. Analysis of Some Tribological Properties of Hazelnut Oil in Gasoline Engines**

KEVEN A., KARAALÍ R.

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.15, no.15, pp.75-83, 2022 (Peer-Reviewed Journal)

**IV. Exergy Analysis of Inlet Air Absorption Cooling Effects on Basic Cogeneration Systems**

KARAALÍ R., KEVEN A.

Avrupa Bilim ve Teknoloji Dergisi, no.43, pp.97-103, 2022 (Peer-Reviewed Journal)

**V. Performance Analysis of Air Fuel Heating Effects on Cogeneration Cycles**

KARAALÍ R., KEVEN A.

Avrupa Bilim ve Teknoloji Dergisi, no.43, pp.91-96, 2022 (Peer-Reviewed Journal)

## **Books & Book Chapters**

**I. DETONASYON VE ŞOK DALGALARINDA EKSERJİ ANALİZİ**

Keven A., Öner C.

in: Mühendislik Alanında Uluslararası Araştırma ve Değerlendirmeler, BARDAK SELAHATTIN, Editor, Serüven Yayınevi, Ankara, pp.179-194, 2023

**II. İÇTEN YANMALI MOTORLARDA TRİBOLOJİ**

Keven A., Cimsit C., Engür A. İ.

in: Mühendislik Alanında Uluslararası Çalışmalar, PROF. DR. COŞKUN ÖZALP DOÇ. DR. SELAHATTIN BARDAK, Editor, serüven , Ankara, pp.131-145, 2023

**III. BİYODİZEL TEKNOLOJİLERİ**

Cimsit C., Keven A.

in: Mühendislik Bilimleri Alanında Akademik Çalışmalar, Prof. Dr. Coşkun ÖZALP Doç. Dr. Savaş BAYRAM Doç. Dr. Mahmut KAYAR, Editor, Gece Kitaplığı, Ankara, pp.1-14, 2023

**IV. THE ANALYSIS OF THE REFRIGERATION SYSTEM OF FRIGORIFIC VEHICLES USED IN ROAD TRANSPORT**

KEVEN A., CİMŞİT C.

in: CURRENT RESEARCH IN ENGINEERING, Selahattin BARDAK, Ümit AYATA, Editor, Gece Kitaplığı, pp.305-317, 2023

**V. DETONASYON MOTORLU KOJENERASYON ÇEVİRİMLERİNİN EKSERJİ ANALİZİ**

KEVEN A.

in: Mühendislik Alanında Uluslararası Araştırma ve Derlemeler, Prof. Dr. Coşkun ÖZALP, Doç. Dr. Selahattin BARDAK, Doç. Dr. Ertaç HÜRDOĞAN, Editor, Serüven Yayınevi, Ankara, pp.245-259, 2023

**VI. GAZ TÜRBİNLİ KOJENERASYON SİSTEMLERİNİN TERMODİNAMİK ANALİZİ**

KARAALÍ R., KEVEN A.

in: Mühendislik Alanında Uluslararası Araştırmalar, , Editor, Serüven Yayınevi, pp.245-266, 2022

**VII. GAZ TÜRBİNLİ REKUPERATÖRLÜ KOJENERASYON SİSTEMLERİNİN TERMODİNAMİK ANALİZİ**

KARAALÍ R., KEVEN A.

in: Mühendislik Alanında Uluslararası Araştırmalar, , Editor, Serüven Yayınevi, pp.137-153, 2022

## **Refereed Congress / Symposium Publications in Proceedings**

**I. Performance analyses of basic cogeneration basic cogeneration plants in agriculture and food production**

Karaali R., KEVEN A.

3rd International Conference on Research of Agricultural and Food Technologies, I-CRAFT 2023, Adana, Turkey, 4 - 06 October 2023, vol.85

- II. **Performance analyses of basic cogeneration basic cogeneration plants in agriculture and food roduction**  
KARAALÍ R., KEVEN A.  
3RD International Conference on Research of Agricultural and Food Technologies (I-CRAFT-2023), Adana, Turkey, 04 October 2023
- III. **Exergetic analyses of air-fuel preheated cogeneration plants in food production**  
KEVEN A., KARAALÍ R.  
3RD International Conference on Research of Agriculture and Food Technologies, Adana, Turkey, 04 October 2023
- IV. **REKÜPERATÖRLÜ GAZ TÜRBİNLİ KOJENERASYON TESİSLERİNDE KOMPRESYON ORANININ BAZI PERFORMANSLARA ETKİSİ**  
KEVEN A., KARAALÍ R.  
ANADOLU 13TH INTERNATIONAL CONGRESS ON APPLIED SCIENCES, Diyarbakır, Turkey, 15 - 17 September 2023, pp.123-131
- V. **HAVA ÖN ISITMALI GAZ TÜRBİNLİ KOJENERASYON TESİSLERİNDE BAZI PERFORMANSLARIN ANALİZİ**  
KARAALÍ R., KEVEN A.  
ANADOLU 13TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Diyarbakır, Turkey, 15 - 17 September 2023
- VI. **Rekuperatörlü Kombine Güç Çevrimlerinde Toluen İş Akışkanının Performans Analizi**  
Karaali R., Keven A.  
1ST INTERNATIONAL CONFERENCE ON MODERN AND ADVANCED RESEARCH ICMAR, Konya, Turkey, 29 - 31 July 2023, pp.257-262
- VII. **Toluen İş Akışkanlı Kombine Çevrim Güç Tesislerinin Termodinamik Analizi**  
Karaali R., Keven A.  
1ST INTERNATIONAL CONFERENCE ON MODERN AND ADVANCED RESEARCH ICMAR, Konya, Turkey, 29 - 31 July 2023
- VIII. **Gaz Türbinli Kombine Güç Çevrimlerinin Termodinamik Analizi**  
Karaali R., Keven A.  
5TH INTERNATIONAL CONFERENCE ON APPLIED ENGINEERING AND NATURAL SCIENCES ICAENS 2023, Konya, Turkey, 10 - 12 July 2023, pp.581-585
- IX. **Rekuperatörlü Kombine Güç Çevrimlerinin Optimum Çalışma Şartları ve Performans Analizi**  
Keven A., Karaali R.  
5th International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 - 12 July 2023, pp.586-591
- X. **PERFORMANCE ANALYSES OF NEWLY MANUFACTURED REFRIGERANTS FOR VAPOR COMPRESSION REFRIGERATION CYCLES**  
KEVEN A., KARAALÍ R.  
ANADOLU 11 th International Conference on Applied Science, 29 December 2022, pp.1115-1122
- XI. **ANALYSIS OF COGENERATION FACILITIES WITH RECUPERATORS ACCORDING TO SOME CRITERIA**  
KARAALÍ R., KEVEN A.  
ANADOLU 11 th International Conference on Applied Science, 29 December 2022, pp.14-22
- XII. **Absorpsiyon Soğutmalı Gaz Türbinli Kojenerasyon Sistemlerinin Termodinamik Analizi**  
KARAALÍ R., KEVEN A.  
1st International Conference on Engineering, Natural and Social Sciences, 20 December 2022, pp.157-162
- XIII. **Yakıt Hava Isıtımlı Gaz Türbinli Kojenerasyon Sistemlerinin Termodinamik Analizi**  
KARAALÍ R., KEVEN A.  
1st International Conference on Engineering, Natural and Social Sciences, 20 December 2022, vol.151
- XIV. **Analysis of Some Tribological Properties of Canola Oil in Two-Stroke Gasoline Engines**

Keven A., Karaali R.

G-AMSE22, Van, Turkey, 3 - 04 October 2022, pp.432-440

**XV. Exergy Analysis of Hypersonic Flow**

Karaali R., Keven A., Topal E. N.

ICADET, Bayburt, Turkey, 28 - 30 September 2022, pp.411-415

**XVI. Taşıt Klima Sistemlerinde Enerji Verimliliği Yöntemleri**

Büker H., Cimşit C., Keven A.

International Marmara Sciences Congress (Imascon 2022 Spring), Kocaeli, Türkiye, Kocaeli, Turkey, 13 - 14 May 2022, pp.376-385

## Supported Projects

Keven A., Cimşit C., Karaali R., Project Supported by Higher Education Institutions, Tepsili Bir Kurutucuda Deveci ve Santa Maria Armut Dilimlerinin Kurutma Performansları ve Enerji Ekserji Analizi, 2024 - 2025

## Scientific Refereeing

International Journal of Computational and Experimental Science and Engineering (IJCESEN), National Scientific Refreed Journal, October 2023

International Journal of Computational and Experimental Science and Engineering (IJCESEN), National Scientific Refreed Journal, September 2023

International Journal of Automotive Engineering and Technologies, Other Journals, May 2022

## Metrics

Publication: 34

Citation (WoS): 23

Citation (Scopus): 37

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H-Index (Scopus): 3