

Personal Information

Email: yasin.karagoz@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/ykaragoz>

Education

Doctorate, Yildiz Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği/Enerji, Turkey 2012 - 2017

Postgraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği/Enerji, Turkey 2010 - 2012

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği, Turkey 2005 - 2009

Research Areas

Mechanical Engineering, Machine Theory and Dynamics, Vehicle Systems Dynamics, Thermodynamics, Fuels and Combustion, Internal Combustion Engines, Engineering and Technology

Academic Positions

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği, 2011 - Continues

Journal articles indexed in SCI, SSCI, and AHCI

- I. **The Effect of Converting a Conventional Tractor into a Hybrid Drive Tractor Using the ECMS Method on Fuel Consumption and Emissions**
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- II. **Performance analysis of a hybrid lightweight vehicle with downsized engine**
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- III. **Investigation of hydrogen usage on combustion characteristics and emissions of a spark ignition engine**
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- IV. **Effect of hythane enrichment on performance, emission and combustion characteristics of an ci engine**
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- V. **Electronic control unit development and emissions evaluation for hydrogen diesel dual-fuel engines**
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- VI. **Effect of hydrogen addition using on-board alkaline electrolyser on SI engine emissions and combustion**
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- IX. **Effects of hydrogen and methane addition on combustion characteristics, emissions, and performance of a CI engine**
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- XI. **Effects of hydrogen and oxygen enrichment on performance and emissions of an SI engine under idle operating condition**
Karagoz Y., SANDALCI T., DALKILIÇ A. S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, no.28, pp.8607-8619, 2015 (SCI-Expanded)
- XII. **Effect of hydrogen and oxygen addition as a mixture on emissions and performance characteristics of a gasoline engine**
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- XIII. **Engine performance and emission effects of diesel burns enriched by hydrogen on different engine loads**
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- XIV. **EFFECT OF HYDROGEN ENRICHED DIESEL COMBUSTION ON EMISSIONS AND ENGINE PERFORMANCE AT PARTIAL LOAD**
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- XVI. **An experimental investigation on the performance characteristics of a hydroxygen enriched gasoline engine with water injection**
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- XVII. **EFFECT OF HYDROGEN ENRICHED DIESEL COMBUSTION ON EMISSIONS AND ENGINE PERFORMANCE AT PARTIAL LOAD CONDITIONS**
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ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.35, no.2, pp.107-117, 2015 (SCI-Expanded)
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XIX. An Experimental Investigation of Ethanol-Diesel Blends on Performance and Exhaust Emissions of Diesel Engines

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Articles Published in Other Journals

I. EFFECT OF DIFFERENT LEVELS OF HYDROGEN

KARAGÖZ Y., KÖTEN H.

JOURNAL OF THERMAL ENGINEERING, vol.5, no.2, pp.58-69, 2019 (ESCI)

II. EFFECT OF HYDROGEN ADDITION AT DIFFERENT LEVELS ON EMISSIONS AND PERFORMANCE OF A DIESEL ENGINE

Karagoz Y.

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Papers Presented at Peer-Reviewed Scientific Conferences

I. EFFECT OF VARIOUS LEVELS OF HYDROGEN ADDITION ON CI ENGINE PERFORMANCE AND COMBUSTION CHARACTERISTICS

KARAGÖZ Y.

ICAME 2018 (4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2018, 19-21 DECEMBER 2018), İstanbul, Turkey, 19 December 2018, vol.1, no.1, pp.1254-1280

II. Investigation of Hydrogen Usage on Combustion Characteristics and Emissions of A Spark Ignition Engine

KARAGÖZ Y., BALCI Ö., KÖTEN H.

ECRES 2018 (THE 6TH EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS Istanbul/Turkey 25-27 June 2018), İstanbul, Turkey, 25 June 2018, pp.662-673

III. Effect of Different Levels of Ethanol Addition on Performance, Emission and Combustion Characteristics of A Gasoline Engine

KÖTEN H., KARAGÖZ Y., BALCI Ö.

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IV. EMISSIONS AND PERFORMANCE CHARACTERISTICS OF AN SI ENGINE WITH BIOGAS FUEL AT DIFFERENT CO₂ RATIOS

KARAGÖZ Y., KALE S.

ICPAT 2018 (PROCEEDINGS BOOK OF INTERNATIONAL CONFERENCE ON PROGRESSES IN AUTOMOTIVE TECHNOLOGIES 2018), İstanbul, Turkey, 10 May 2018, pp.93-105

V. EFFECT OF DIFFERENT LEVELS OF HYDROGEN LPG ADDITION ON EMISSIONS AND PERFORMANCE OF A COMPRESSION IGNITION ENGINE

KARAGÖZ Y., KÖTEN H.

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VI. EFFECT OF DIFFERENT HYDROGEN ADDITION ON PERFORMANCE, EMISSIONS AND COMBUSTION

KARAGÖZ Y.

3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017 ICAME2017, 19 - 21 December 2017

- VII. **EFFECT OF USING ETHANOL-DIESEL MIXTURE ON PERFORMANCE AND EMISSIONS OF A DIESEL ENGINE**
KARAGÖZ Y., SANDALCI T.
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- VIII. **MODELING AND ANALYZING OF DIESEL ENGINE USING COMPUTATIONAL FLUID DYNAMICS**
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- X. **EXPERIMENTAL INVESTIGATION OF HYDROGEN ENRICHED CHARGE WITH DIESEL IGNITION ON ENGINE PERFORMANCE AND CO EMISSION**
KARAGÖZ Y.
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- XI. **EFFECT OF HYDROGEN ENRICHMENT ON PERFORMANCE AND EMISSIONS OF A DIESEL ENGINE AT DIFFERENT ENGINE LOADS**
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- XII. **EFFECT OF HYDROGEN AND OXYGEN ADDITION ON PERFORMANCE AND NOX EMISSIONS OF AN SI ENGINE WITH WATER INJECTION**
KARAGÖZ Y.
2ND INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 11 - 13 May 2016, vol.1, pp.906-916
- XIII. **EFFECT OF DIFFERENT LEVEL HYDROGEN ADDITION ON PERFORMANCE AND EMISSIONS OF AN CI ENGINE**
KARAGÖZ Y., SANDALCI T.
CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2016 – ICAME2016, 11 - 13 May 2016
- XIV. **EFFECT OF USING NATURAL GAS DIESEL FUEL MIXTURES ON PERFORMANCE AND EMISSIONS OF A COMPRESSION IGNITION ENGINE**
KARAGÖZ Y., ÖZENER O., SANDALCI T.
INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS ISTANBUL 2015 - ICES'xx1523-25 December 2015, Yildiz Technical University, Istanbul, Turkey, 23 - 25 December 2015
- XV. **EXPERIMENTALLY DETERMINATION OF INJECTION CHARACTERISTIC OF A MECHANICAL FUEL SYSTEM EQUIPPED DIESEL ENGINE CONVERTED TO COMMON RAIL FUEL SYSTEM**
Tunçer E., Sandalcı T., Karagöz Y., Dalkılıç A. S.
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- XVI. **EFFECTS OF HYDROGEN ENRICHMENT ON PERFORMANCE AND EMISSION CHARACTERISTICS OF AN SI ENGINE AT IDLE CONDITION**
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COMPRESSION IGNITION ENGINE

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KARAGÖZ Y.

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XX. BİODİZEL/SU EMÜLSİYONLARININ TEK SİLİNDİRLİ CFR MOTORUNUN PERFORMANS VE EMİSYONLARINA ETKİSİNİN ARAŞTIRILMASI

ORAK E., KARAGÖZ Y., AKGÜN N., ÖZKAN M.

12. Uluslararası Yanma Sempozyumu (ICS 2012), 01 May 2012

Activities in Scientific Journals

Journal of Thermal Engineering, Assistant Editor/Section Editor, 2017 - Continues

Peer Reviews in Scientific Publications

SİGMA, Other Indexed Journal, December 2017

FUEL, SCI Journal, August 2017

Journal of ETA Maritime Science, Other Indexed Journal, August 2017

Journal of Thermal Engineering, National Scientific Refreed Journal, July 2017

Journal of Thermal Engineering, Other Indexed Journal, February 2016

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