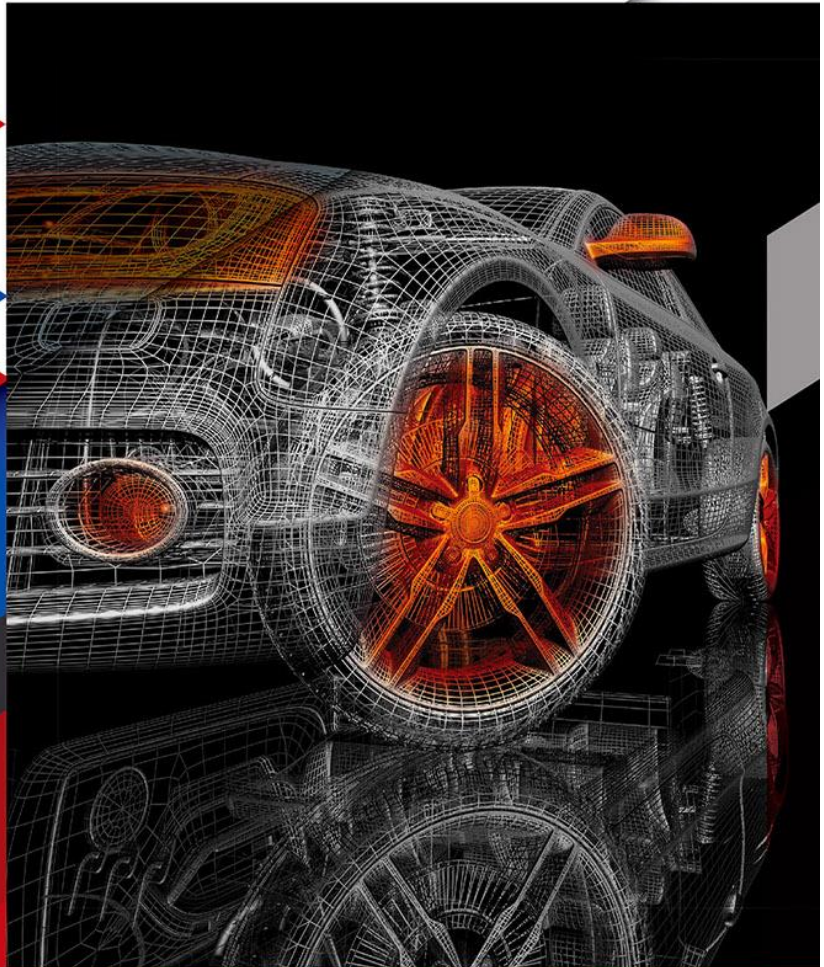




International
Journal of Automotive
Engineering and
Technologies



e-ISSN 2146-9067

e-mail: editorofijaet@gmail.com

Editor: Prof. Dr. Murat CİNİVİZ

**International Journal of Automotive
Engineering and Technologies**

e-ISSN: 2146-9067, **Period:** Quarterly

Founded: 2012, **Publisher:** Murat CİNİVİZ

Year : 2024

Volume : 13

Number : 4

<https://dergipark.org.tr/tr/pub/ijaet>



Editor in Chief

Prof. Dr. Murat Ciniviz

Editors

Prof. Dr. Murat Ciniviz

Assistant Editor

Prof. Dr. Can Haşimoğlu

Prof. Dr. Seyfi Polat

Prof. Dr. Mesut Düzgün

Assoc. Prof. Dr. Fatih Aydın

Editorial Board

	Editorial Board Member
1.	Dr. Abdul Aziz Hairuddin
2.	Dr. Venkata Murthy
3.	Dr. Sanjay KUMBHAR
4.	Prof. Dr. Halit KARABULUT
5.	Uzm. Dr. Simona MEROLA
6.	Prof. Dr. Hanbey HAZAR
7.	Dr. Hoon NG
8.	Prof. Dr. Seyfi POLAT
9.	Dr. Nitin NAİR
10.	Prof. Dr. Ünal Akdağ
11.	Prof. Dr. Evangelos GİAKOUMİS

12.	Prof. Dr. Apostolos PESİRİDİS
13.	Dr. Mohammad AL ZUBİ
14.	Dr. Öğr. Üyesi Fatih AYDIN
15.	Dr. Öğr. Üyesi Mehmet DEMİRALP
16.	Prof. Dr. Tanzer ERYILMAZ
17.	Prof. Dr. Fatih AKSOY
18.	Prof. Dr. Habib GÜRBÜZ
19.	Doç. Dr. Aleksandr KABANOV

Language Editor

1.	DR. Öznur YEMEZ
----	-----------------

SN	Author(s)	Article Title	Pages
1.	Fatih Aydın ¹ *, Hidayet Oğuz ² , Seda Şahin ³ , Hüseyin Ögüt ⁴ , Fatma Kayaçetin ⁵	Impact of turnip biodiesel-diesel blends on engine performance and fuel properties: a comparative analysis	144 - 152
2.	Hakan Ünsal ¹ *, Mesut Düzgün ²	Modeling the aerodynamic performance of unmanned aerial vehicle (UAV) propellers with multifidelity method	153 - 169
3.	Mustafa Aydın ¹ *, İsmail Gürbüz ²	IoT based a low cost battery monitoring system using ESP8266 and Arduino IoT cloud platform	170 - 179
4.	Mustafa Albdairi ¹ *, Ali Almusawi ² , Syed Shah Sultan Mohiuddin Qadri ³	Comparative conflict analysis of human-driven and autonomous vehicles at signalized intersections	180 - 190
5.	Yunus Emre Karabacak	Condition monitoring of internal combustion engines with vibration signals and fault detection by using machine learning techniques	191 - 199
6.	Halil Erdi Gülcan	Investigation of the role of methane injection timing and pressure on engine performance, emissions and environmental impact in a diesel engine	200 – 215
7.	Nurullah Gültekin	The hydrogen injection strategy's influence on the performance and emissions (exhaust, vibration, and noise) of a dual-fuel engine	216 - 228