

# ZEKİ YILBAŞI

## LECT.

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### Learning Knowledge

Doctorate 2018 - Continues	Yozgat Bozok University, Lisansüstü Eğitim Enstitüsü, Makine Mühendisliği (Dr), Turkey
Undergraduate 2020 - 2021	Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, Turkey
Postgraduate 2004 - 2007	Zonguldak Bülent Ecevit University, Fen Bilimleri Enstitüsü, Makine Eğitimi (YI) (Tezli), Turkey
Undergraduate 1999 - 2003	Zonguldak Bülent Ecevit University, Karabük Teknik Eğitim Fakültesi, Otomotiv Öğretmenliği Pr., Turkey

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Personal Evolution, Tez Yazımını Destekleyen ProQuest Yazar Çalıştayı, ProQuest LLC. , 2021

Renewable Energy Sources, 6th Renewable Energy Systems Winter School, Afyon Kocatepe Üniversitesi, 2021

Vocational Course, 17th Exergy and Its Applications Course, Ankara Yıldırım Beyazıt Üniversitesi, 2020

Personal Evolution, Web of Science Core Collection: Keşif Burada Başlıyor!, Web of Science Group, 2020

### Dissertations

Postgraduate, Bir dizel motorun performansının ekserji analizi ile belirlenmesi, Zonguldak Bülent Ecevit University, Fen Bilimleri Enstitüsü, Makine Eğitimi (YI) (Tezli), 2007

### Academic Titles / Tasks

Lecturer 2021 - Continues	Yozgat Bozok University, Yozgat Meslek Yüksekokulu, Motorlu Araçlar Ve Ulaştırma Teknolojileri
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Lecturer  
2017 - 2021

Yozgat Bozok University, Teknik Bilimler Meslek Yüksekokulu, Motorlu Araçlar Ve  
Ulaştırma Teknolojileri

Lecturer  
2008 - 2017

Yozgat Bozok University, Akdağmadeni Meslek Yüksekokulu, Ulaştırma Hizmetleri

## Supported Projects

1. Yeşilyurt M. K. , Yılbaşı Z., Project Supported by Higher Education Institutions, Pentanol/aspir yağ biyodizeli/dizel yakıtı üçlü karışımlarını kullanan modifiye edilmemiş bir dizel motorunun performans, egzoz emisyonları ve yanma karakteristikleri, 2019 - 2021

## Awards

1. Yılbaşı Z., ULAKBİM YAYIN TEŞVİK 1, Tübitak, December 2020
2. Yılbaşı Z., ULAKBİM YAYIN TEŞVİK 2, Tübitak, December 2020

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

1. **The production of methyl ester from industrial grade hemp (Cannabis sativa L.) seed oil: a perspective of Turkey — the optimization study using the Taguchi method**  
Yılbaşı Z., Yesilyurt M. K. , Arslan M.  
Biomass Conversion and Biorefinery, 2021 (Journal Indexed in SCI Expanded)
2. **The performance, emissions, and combustion characteristics of an unmodified diesel engine running on the ternary blends of pentanol/safflower oil biodiesel/diesel fuel**  
Yeşilyurt M. K. , Yılbaşı Z., Aydın M.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.140, no.6, pp.2903-2942, 2020 (Journal Indexed in SCI)
3. **Investigation on the structural effects of the addition of alcohols having various chain lengths into the vegetable oil-biodiesel-diesel fuel blends: An attempt for improving the performance, combustion, and exhaust emission characteristics of a compression ignition engine**  
YEŞİLYURT M. K. , Aydın M., YILBAŞI Z., ARSLAN M.  
FUEL, vol.269, 2020 (Journal Indexed in SCI)
4. **The production of biodiesel from safflower (Carthamus tinctorius L.) oil as a potential feedstock and its usage in compression ignition engine: A comprehensive review**  
YEŞİLYURT M. K. , Cesur C., ASLAN V., YILBAŞI Z.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.119, 2020 (Journal Indexed in SCI)

## Articles Published in Other Journals

1. **Application of Energy and Exergy Analyses to a CI Engine Using Biodiesel Fuel**  
Sekmen P., Yılbaşı Z.  
Mathematical and Computational Applications, vol.16, no.4, pp.797-808, 2011 (Journal Indexed in ESCI)

## Refereed Congress / Symposium Publications in Proceedings

1. **Analysis of a spark-ignition engine fueled with gasoline/acetone blends in view of energy, exergy, and sustainability index**  
YEŞİLYURT M. K. , YAMAN H., YILBAŞI Z.  
Çukurova 5th International Scientific Researches Conference, Adana, Turkey, 9 - 11 October 2020, pp.420-449
2. **Insights into the biodiesel derived from hemp (Cannabis sativa L.) seed oil as an important raw material and its fuel characteristics**  
Yılbaşı Z., Yeşilyurt M. K. , Arslan M.  
4. International Marmara Sciences Congress (IMASCON-Spring 2020), Kocaeli, Turkey, 19 - 20 June 2020, pp.571-584
3. **The effects of hexanol-diesel fuel blends on the performance and emissions of a compression-ignition engine**  
YILBAŞI Z., YEŞİLYURT M. K.  
4th International Zeugma Conference on Scientific Researches, Gaziantep, Turkey, 29 - 31 May 2020, pp.327-342
4. **Dizel-biyodizel-aseton karışımlarını kullanan tek silindirli bir dizel motorun performans ve emisyon karakteristikleri açısından değerlendirilmesi**  
YEŞİLYURT M. K. , YILBAŞI Z.  
7th International Scientific Research Congress (UBAK 2020), Ankara, Turkey, 13 - 14 March 2020, pp.329-349

## Academic and Administrative Experience

2021 - Continues	<b>Head of Department</b>	Yozgat Bozok University, Yozgat Meslek Yüksekokulu, Motorlu Araçlar Ve Ulaştırma Teknolojileri
2020 - Continues	<b>Meslek Yüksekokulu Kurulu Üyesi</b>	Yozgat Bozok University, Yozgat Meslek Yüksekokulu
2018 - 2021	<b>Meslek Yüksekokulu Kurulu Üyesi</b>	Yozgat Bozok University, Teknik Bilimler Meslek Yüksekokulu
2018 - 2021	<b>Head of Department</b>	Yozgat Bozok University, Teknik Bilimler Meslek Yüksekokulu, Motorlu Araçlar Ve Ulaştırma Teknolojileri
2017 - 2021	<b>Assistant Director of Vocational School</b>	Yozgat Bozok University, Teknik Bilimler Meslek Yüksekokulu
2017 - 2021	<b>Meslek Yüksekokulu Yönetim Kurulu Üyesi</b>	Yozgat Bozok University, Teknik Bilimler Meslek Yüksekokulu
2015 - 2016	<b>Assistant Director of Vocational School</b>	Yozgat Bozok University, Akdağmadeni Meslek Yüksekokulu
2015 - 2016	<b>Meslek Yüksekokulu Yönetim Kurulu Üyesi</b>	Yozgat Bozok University, Akdağmadeni Meslek Yüksekokulu
2013 - 2016	<b>Meslek Yüksekokulu Kurulu Üyesi</b>	Yozgat Bozok University, Akdağmadeni Meslek Yüksekokulu
2013 - 2015	<b>Head of Department</b>	Yozgat Bozok University, Akdağmadeni Meslek Yüksekokulu, Ulaştırma Hizmetleri

## Courses

YAKITLAR VE YANMA, Associate Degree, 2021 - 2022  
YENİLENEBİLİR ENERJİ SİSTEMLERİ, Associate Degree, 2021 - 2022  
ULAŞTIRMA SİSTEMLERİ, Associate Degree, 2021 - 2022  
TERMODİNAMİK, Associate Degree, 2021 - 2022  
STAJ, Associate Degree, 2021 - 2022  
OTOMOTİVDE YENİ TEKNOLOJİLER, Associate Degree, 2018 - 2019, 2020 - 2021  
TAŞIT GÜVENLİK VE KONFOR SİSTEMLERİ, Associate Degree, 2018 - 2019, 2020 - 2021  
SERVİS İŞLETMECİLİĞİ VE MÜŞTERİ İLİŞKİLERİ, Associate Degree, 2018 - 2019, 2020 - 2021  
KALİTE GÜVENCESİ VE STANDARTLAR, Associate Degree, 2018 - 2019, 2020 - 2021  
MEKANİK VE DİNAMİK, Associate Degree, 2017 - 2018, 2020 - 2021  
ALTERNATİF MOTORLAR VE YAKIT SİSTEMLERİ, Associate Degree, 2020 - 2021  
MOTOR VE TAŞIT DİAGNOSTİK, Associate Degree, 2020 - 2021  
TERMODİNAMİK, Associate Degree, 2013 - 2014, 2017 - 2018, 2019 - 2020, 2020 - 2021  
KALİTE GÜVENCE SİSTEM VE STANDARTLARI, Associate Degree, 2019 - 2020  
KALİTE KONTROL, Associate Degree, 2019 - 2020  
Girişimcilik, Associate Degree, 2017 - 2018, 2018 - 2019, 2019 - 2020  
TERSİNE MÜHENDİSLİK VE KALİTE KONTROL, Associate Degree, 2017 - 2018, 2019 - 2020  
SİSTEM ANALİZİ VE TASARIMI, Associate Degree, 2015 - 2016, 2018 - 2019  
BİLGİ VE İLETİŞİM TEKNOLOJİSİ, Associate Degree, 2016 - 2017, 2018 - 2019  
MESLEK ETİĞİ, Associate Degree, 2017 - 2018, 2018 - 2019  
MOTOR TEKNOLOJİSİ, Associate Degree, 2018 - 2019  
OTOMOTİV ELEKTİRİK VE ELEKTRONİĞİ, Associate Degree, 2017 - 2018, 2018 - 2019  
İŞLETME YÖNETİMİ II, Associate Degree, 2017 - 2018  
KALİTE GÜVENCE VE STANDARTLARI, Associate Degree, 2017 - 2018  
İŞLETME YÖNETİMİ, Associate Degree, 2017 - 2018  
TAŞIT MOTORLARI I, Associate Degree, 2013 - 2014, 2015 - 2016, 2016 - 2017  
ÇEVRE VE SOSYAL SORUMLULUK, Associate Degree, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2016 - 2017  
UYGULAMALI SÜRÜCÜ EĞİTİMİ I, Associate Degree, 2011 - 2012, 2012 - 2013, 2014 - 2015, 2015 - 2016, 2016 - 2017  
YÖNLENDİRİLMİŞ ÇALIŞMA I, Associate Degree, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017  
UYGULAMALI SÜRÜCÜ EĞİTİMİ II, Associate Degree, 2011 - 2012, 2013 - 2014, 2014 - 2015, 2015 - 2016  
BİLGİSAYAR DESTEKLİ TASARIM II, Associate Degree, 2015 - 2016  
TAŞIT MOTORLARI II, Associate Degree, 2014 - 2015, 2015 - 2016  
KİTLE TAŞIMACILIĞI, Associate Degree, 2015 - 2016  
YÖNLENDİRİLMİŞ ÇALIŞMA II, Associate Degree, 2013 - 2014, 2014 - 2015, 2015 - 2016  
SİSTEM ANALİZİ VE TASARIMI I, Associate Degree, 2015 - 2016  
TEMEL BİLGİSAYAR TEKNOLOJİLERİ KULLANIMI, Associate Degree, 2014 - 2015  
HARİTA VE YOL BİLGİSİ, Associate Degree, 2013 - 2014, 2014 - 2015  
İLETİŞİM, Associate Degree, 2011 - 2012, 2014 - 2015  
KENTİÇİ ULAŞIM, Associate Degree, 2014 - 2015  
MESLEKİ İNGİLİZCE I, Associate Degree, 2014 - 2015  
SİGORTA VE TAŞIMACILIK HUKUKU, Associate Degree, 2014 - 2015  
ULAŞTIRMA MEVZUATI, Associate Degree, 2011 - 2012, 2012 - 2013, 2014 - 2015  
İLERİ SÜRÜCÜLÜK TEKNİKLERİ, Associate Degree, 2011 - 2012, 2013 - 2014, 2014 - 2015  
İLK YARDIM VE SAĞLIK BİLGİSİ I, Associate Degree, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015  
GÖRGÜ KURALLARI, Associate Degree, 2013 - 2014, 2014 - 2015  
ULAŞTIRMA SİSTEMLERİ, Associate Degree, 2011 - 2012, 2012 - 2013, 2013 - 2014  
OTOBÜSTE TEKNİK SİSTEMLER, Associate Degree, 2011 - 2012, 2012 - 2013, 2013 - 2014  
MAKİNE BİLİMİ VE ELEMANLARI, Associate Degree, 2013 - 2014  
MAKİNE ELEMANLARI, Associate Degree, 2013 - 2014  
SÜRÜCÜLÜK PSİKOLOJİSİ, Associate Degree, 2012 - 2013, 2013 - 2014  
İLK YARDIM VE SAĞLIK BİLGİSİ II, Associate Degree, 2011 - 2012, 2012 - 2013, 2013 - 2014

GENEL TRAFİK BİLGİSİ-I, Associate Degree, 2011 - 2012, 2012 - 2013, 2013 - 2014  
TAŞIT ELEKTRİK SİSTEMLERİ, Associate Degree, 2011 - 2012, 2012 - 2013  
TAŞIT MOTORLARI, Associate Degree, 2011 - 2012, 2012 - 2013  
ARAÇ VE YOL GÜVENLİĞİ, Associate Degree, 2011 - 2012, 2012 - 2013  
GENEL TRAFİK BİLGİSİ-II, Associate Degree, 2011 - 2012, 2012 - 2013  
MOTORLAR II, Associate Degree, 2011 - 2012, 2012 - 2013  
İŞ GÜVENLİĞİ, Associate Degree, 2011 - 2012, 2012 - 2013  
TAŞIT MEKANİĞİ, Associate Degree, 2011 - 2012, 2012 - 2013  
DİREKSİYON EĞİTİMİ IV, Associate Degree, 2011 - 2012  
MOTORLAR I, Associate Degree, 2011 - 2012  
DİREKSİYON EĞİTİMİ III, Associate Degree, 2011 - 2012  
METEOROLOJİ, Associate Degree, 2011 - 2012  
MATEMATİK, Associate Degree, 2011 - 2012

### **Edit Congress and Symposium Activities**

International World Energy Conference, Attendee, Kayseri, Turkey, 2021  
Çukurova 5th International Scientific Researches Conference, Attendee, Adana, Turkey, 2020  
4. International Marmara Sciences Congress (IMASCON-Spring 2020), Attendee, Kocaeli, Turkey, 2020  
4th International Zeugma Conference on Scientific Researches, Attendee, Gaziantep, Turkey, 2020  
7th International Scientific Research Congress (UBAK 2020), Attendee, Ankara, Turkey, 2020

### **Citations**

Total Citations (WOS):116  
h-index (WOS):3

### **Research Areas**

Mechanical Engineering, Fuels and Combustion, Internal Combustion Engines