

# İLHAMİ ÇOLAK

## PROFESÖR



E-Posta Adresi : ilhami.colak@nisantasi.edu.tr  
Telefon (İş) : -  
Telefon (Cep) :  
Adres :

### Öğrenim Bilgisi

Doktora 1992 1/Haziran/1994	Aston University Elektrik Elektronik Mühendisliği Tez adı: Mixed-frequency testing of induction machine using inverter (1994) Tez Danışmanı:(Seamus D. Garwey)
Yüksek Lisans 1990 1/Ocak/1991	The University of Birmingham Elektrik-Elektronik Mühendisliği Tez adı: High frequency resonant DC link inverter (1991) Tez Danışmanı:(Hector Zelaya De La Parra)
Yüksek Lisans 1986 1988	GAZİ ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ/ELEKTRİK EĞİTİMİ (YL) (TEZLİ) Tez adı: Rotorlu sargılı asenkron motorlarda yarı iletken kullanarak hızın kontrol edilmesi (1988) Tez Danışmanı:(Doğan Çalikoğlu)
Lisans 1981 1986	GAZİ ÜNİVERSİTESİ TEKNİK EĞİTİM FAKÜLTESİ/ELEKTRİK EĞİTİMİ BÖLÜMÜ/ELEKTRİK ÖĞRETMENLİĞİ PR.

### Akademik Görevler

PROFESÖR 2016	NİŞANTAŞI ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ PR. (TAM BURLU) (19 Eylül 2016 da başladı)
PROFESÖR 2015-2016	İSTANBUL GELİŞİM ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/MEKATRONİK MÜHENDİSLİĞİ BÖLÜMÜ/MEKATRONİK MÜHENDİSLİĞİ PR. (TAM BURLU) (2 Ağustos 2016 da görevi bitmiştir.)
PROFESÖR 2011-2015	GAZİ ÜNİVERSİTESİ/TEKNOLOJİ FAKÜLTESİ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ PR.)
PROFESÖR 2005-2011	GAZİ ÜNİVERSİTESİ/TEKNİK EĞİTİM FAKÜLTESİ/ELEKTRİK EĞİTİMİ BÖLÜMÜ/ENERJİ TESİSLERİ EĞİTİMİ ANABİLİM DALI)

DOÇENT 1999-2005	GAZİ ÜNİVERSİTESİ/TEKNİK EĞİTİM FAKÜLTESİ/ELEKTRİK EĞİTİMİ BÖLÜMÜ/ENERJİ TESİSLERİ EĞİTİMİ ANABİLİM DALI)
YARDIMCI DOÇENT 1995-1998	GAZİ ÜNİVERSİTESİ/TEKNİK EĞİTİM FAKÜLTESİ/ELEKTRİK EĞİTİMİ BÖLÜMÜ/ENERJİ TESİSLERİ EĞİTİMİ ANABİLİM DALI)
ARAŞTIRMA GÖREVLİSİ 1985-1994	GAZİ ÜNİVERSİTESİ/TEKNİK EĞİTİM FAKÜLTESİ/ELEKTRİK EĞİTİMİ BÖLÜMÜ/ENERJİ TESİSLERİ EĞİTİMİ ANABİLİM DALI)

## Yönetilen Tezler

### Yüksek Lisans

2022

1. ÇAKIR MAİDE, (2022). Performance of Structured Measurement Matrices in Compressed Sensing of Digital Pathological Images, Ankara Yıldırım Beyazıt Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik-Elektronik Mühendisliği Ana Bilim Dalı (Devam Ediyor)

2016

2. AYAZ MELİKE SELCEN, (2016). Rüzgâr türbinlerinde kullanılan generatör tiplerinin akıllı şebekeler üzerindeki etkileri, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Enerji Sistemleri Mühendisliği Ana Bilim Dalı (Tamamlandı)

2013

3. ISSI FATİH, (2013). Topraklama direncinin dspic kullanılarak sabit tutulması uygulaması, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)

2008

4. BEKTAŞ AŞKIN, (2008). Endüstriyel işletmelerde enerjinin izlenmesi, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)

2007

5. KURUŞÇU SEZAI, (2007). Programlanabilir asansör eğitim seti tasarımı ve uygulaması, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)
6. SOYSAL MUSTAFA, (2007). Dogru akım motorunun dört bölge kontrolünün PIC ile gerçekleştirilmesi, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)
7. KÜÇÜK BAYRAM, (2007). Pnömatik motor ile tahrik edilen DA generatörü çıkış geriliminin kontrolü, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)

2005

8. KAPLAN ORHAN, (2005). PIC denetimli kondansatör grupları ile güç katsayısının düzeltilmesi, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)
9. BAYRAKTAR UMUT, (2005). Üç fazlı asenkron motor deneylerinin eğitim amaçlı benzetimi, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)

2004

10. KAHRAMAN HAMDİ TOLGA, (2004). Otomatik klima tasarımı, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)

2002

11. ÖZBAHÇE ABDULLAH, (2002). Senkron makinaların modellenmesi ve simülasyonu, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)
12. BÜKECİK CEMAL, (2002). Alternatif enerji kaynakları ve Türkiye'de kullanılabilirliği, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)

2001

13. DOĞANÇAY İLYAS, (2001). Eprom kontrollü iki adım motorunun bir torna tezgahında kullanılması, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)
14. IRMAK ERDAL, (2001). Bilgisayar kontrollü bina güvenlik sisteminin tasarımı ve uygulanması, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)
15. ÖZER DENİZHAN, (2001). Kalite güvence sisteminin böbrek taşı kırma cihazı imal eden işyerinde uygulanması ve sonuçlarının gözlenmesi, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)

16. KÖKSAL SEFA, (2001). Hız kontrol cihazı ile çalışan asenkron motora harmoniklerin etkisi, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)  
2000
17. ÇELİK HAKAN, (2000). Asenkron motor değişkenlerinin bilgisayar yardımıyla belirlenmesi ve motorların korunması, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)
18. DEMİRTAŞ MEHMET, (2000). Rotoru sargılı asenkron motorlarda yüksek frekansta çalışan yarıiletken kullanılarak hızın kontrol edilmesi, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)  
1997
19. YILDIRIM MUSTAFA FEVZİ, (1997). Bilgisayar desteği ile güvenlik sisteminin izlenmesi ve kontrolü, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)
20. TAŞCI AHMET, (1997). Fırçasız D.A. motorlarının PI ile hız kontrolü, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)  
1996
21. GARİP İLHAN, (1996). 0-650 watt çıkışı ayarlanabilir DC/DC konvektör tasarımı ve uygulaması, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Diğer (Tamamlandı)
22. OVAK HASAN, (1996). İç aydınlatma sistemlerinde enerji tasarrufunun geliştirilmesi, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Diğer (Tamamlandı)
- Doktora**
- 2019
23. KEVEN GÖKHAN, (2019). Asimetrik çok seviyeli kaskad evirici tasarımı ve uygulaması, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)  
2015
24. ŞAHİN MURAT, (2015). Kendinden ayarlamalı PID kontrolör ile iki eksenli gimbal uygulaması, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)  
2014
25. YAVANOĞLU URAZ, (2014). Parmak izinden yüz eşkâli belirleme için yeni yöntem ve sistem geliştirme, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)  
2013
26. YEŞİLBUDAK MEHMET, (2013). Rüzgâr gücü tahmin sistemi tasarımı ve uygulaması, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)  
2012
27. ÖZBİLEN ALPER, (2012). TCP/IP tabanlı dağıtık endüstriyel denetim sistemlerinde güvenlik ve çözüm önerileri, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)  
2011
28. KAPLAN ORHAN, (2011). Bir fazlı paralel aktif güç filtreleri için sensörsüz da gerilim kontrolü, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)  
2010
29. KABALCI ERSAN, (2010). Çok seviyeli invertörler için yeni bir SDGM tekniğinin geliştirilmesi, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)  
2009
30. KAHRAMAN HAMDİ TOLGA, (2009). Web-tabanlı uyarıları zeki öğretim sistemi tasarımı ve uygulaması, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)  
2008
31. DEMİRTAŞ MEHMET, (2008). Güneş ve rüzgâr enerjisi kullanılarak şebeke ile paralel çalışabilen hibrit enerji santrali tasarımı ve uygulaması, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)
32. GARİP İLHAN, (2008). Alternatörlerin otomatik paralel bağlanması için eğitim amaçlı bir deney setinin geliştirilmesi ve etkililiğinin değerlendirilmesi, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)  
2007
33. IRMAK ERDAL, (2007). Uzaktan eğitim amaçlı internet tabanlı laboratuvar uygulaması, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)  
2003

34. YILMAZ ERCAN NURCAN, (2003). İnternet ağları kullanarak SCADA sistem tasarımı, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)
  35. KOŞALAY İLHAN, (2003). Bir transformatör merkezindeki elektromanyetik uyumluluk ve kirliliğin yapay sinir ağları ile incelenmesi, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)
- 2002
36. BAYINDIR RAMAZAN, (2002). Bulanık mantık denetimli senkron motor ile reaktif güç kompanzasyonu, Gazi Üniversitesi->Fen Bilimleri Enstitüsü->Elektrik Eğitimi Ana Bilim Dalı (Tamamlandı)

## Projelerde Yaptığı Görevler:

1. Bir Fazlı Aktif Filtre Tasarımı ve Uygulaması, TÜBİTAK PROJESİ, Yönetici, 2009-2010 (ULUSAL)
2. Programlanabilir Asansör Eğitim Seti Prototopinin Geliştirilmesi, DİĞER, Yönetici, 2007-2007)
3. Endüstriyel işletmelerde enerjinin izlenmesi, TÜBİTAK PROJESİ, Yönetici, 2007-2008 (ULUSAL)
4. Doğru akım motorunun dört bölge kontrolünün PIC ile gerçekleştirilmesi, TÜBİTAK PROJESİ, Yönetici, 2006-2007 (ULUSAL)
5. Güneş ve rüzgar enerjisi kullanılarak şebeke ile paralel çalışabilen hibrit enerji santrali tasarımı ve uygulaması, DİĞER, Yönetici, 2005-2007)
6. Endüktif yükler için güneş pili kaynaklı inverter tasarım ve uygulaması, BAP, Yönetici, 2004-2006 (ULUSAL)
7. Bilgisayar kontrollü bina güvenlik sisteminin tasarımı ve uygulaması, BAP, Yönetici, 2002-2004 (ULUSAL)
8. Rezonans Da hat evirici tasarımı ve uygulaması, BAP, Yönetici, 2009-2010 (ULUSAL)
9. Bulanık mantık denetimli senkron motor ile reaktif güç kompanzasyonu, BAP, Yönetici, 2001-2003 (ULUSAL)
10. Rüzgâr gücü tahmin sistemi tasarımı, BAP, Yönetici, 2011-2013 (ULUSAL)
11. Topraklama direncinin mikrodenetleyici kullanılarak ölçülmesi ve sabit tutulması, BAP, Yönetici, 2011-2013 (ULUSAL)
12. Üç fazlı şebeke etkileşimli bir rezonans Lcl evirici tasarımı ve uygulaması, BAP, Yönetici, 2011-2013 (ULUSAL)
13. Uzaktan erişimli bir Plc eğitim setinin tasarımı ve uygulanması, BAP, Yönetici, 2010-2012 (ULUSAL)
14. Rotoru sargılı asenkron motorun hız kontrolünün data acquisition kart kullanarak yapılması, ARAŞTIRMA PROJESİ, Yönetici, 1999-2000)
15. Dental materyaller için abrasion test cihazının geliştirilmesi, ARAŞTIRMA PROJESİ, Yönetici, 2001-2002)
16. Neuro Fuzzy ile kontrol edilen bir senkron motor kullanarak sistemin güç katsayısını düzeltmek, ARAŞTIRMA PROJESİ, Yönetici, 2001-2002)
17. Bilgisayar kontrollü bina güvenlik sisteminin tasarımı ve uygulaması, ARAŞTIRMA PROJESİ, Yönetici, 2002-2003)
18. Endüktif yükler için güneş pili kaynaklı inverter tasarım ve uygulaması, BAP, Yönetici, 2004-2006 (ULUSAL)
19. Doğru akım motorunun dört bölge kontrolünün PIC ile gerçekleştirilmesi, BAP, Yönetici, 2006-2007 (ULUSAL)
20. Güneş ve rüzgar enerjisi kullanılarak şebeke ile paralel çalışabilen hibrit enerji santrali tasarımı ve uygulaması, DİĞER, Yönetici, 2005-2007)
21. Programlanabilir asansör eğitim seti prototopinin geliştirilmesi, BAP, Yönetici, 2007-2009 (ULUSAL)
22. Endüstriyel işletmelerde enerjinin izlenmesi, BAP, Yönetici, 2007-2008 (ULUSAL)
23. Elektrik Makinaları Dersleri ve Deneylerinin İnternet Ortamında Uzaktan Öğretim İle Gerçekleştirilmesi, TÜBİTAK PROJESİ, Yönetici, 2010-2011 (ULUSAL)
24. Exchange of European Union Lecturers in the Field of Latest Developments in Distance Education, Avrupa Birliği, Yönetici, 2010-2012 (ULUSLARARASI)
25. Bir fazlı aktif filtre tasarımı ve uygulaması, BAP, Yönetici, 2009-2010 (ULUSAL)
26. İki eksenli gimbal sisteminin stabilizasyonunu gerçekleştirecek bir kontrol sisteminin oluşturulması, BAP, Yönetici, 2012-2014 (ULUSAL)
27. PCL 1800 Data Acquisition kartı kullanarak rotoru sargılı asenkron motorun hızının kontrol edilmesi, BAP, Yönetici, 2000-2001 (ULUSAL)
28. zerO net water And eNergy aGriculturE (ORANGE), Avrupa Birliği, Proje Koordinatörü, , 01/01/2018 (Devam Ediyor) (ULUSLARARASI)

## İdari Görevler

Bilimsel Araştırma Projeleri Koordinasyon Birimi Koordinatörü 2020	NİŞANTAŞI ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ PR. (TAM BURSLU)
Bölüm Başkanı 2016	NİŞANTAŞI ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ PR. (TAM BURSLU)
Müdür 2020-2020	NİŞANTAŞI ÜNİVERSİTESİ/LİSANSÜSTÜ EĞİTİM ENSTİTÜSÜ
Enstitü Müdürü 2019-2020	NİŞANTAŞI ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ PR. (TAM BURSLU)
Dekan 2018-2019	NİŞANTAŞI ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ PR. (TAM BURSLU)
Enstitü Müdürü 2016-2019	NİŞANTAŞI ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ PR. (TAM BURSLU)
Dekan Vekili 2015-2019	İSTANBUL GELİŞİM ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/MEKATRONİK MÜHENDİSLİĞİ BÖLÜMÜ
Rektör Yardımcısı 2017-2018	NİŞANTAŞI ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ
Dekan Vekili 2016-2018	NİŞANTAŞI ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ PR. (TAM BURSLU)
Bölüm Başkanı 2016-2017	NİŞANTAŞI ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ/İNŞAAT MÜHENDİSLİĞİ PR. (İNGİLİZCE) (TAM BURSLU)
Bölüm Başkanı 2014-2016	İSTANBUL GELİŞİM ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ
Rektör Yardımcısı 2014-2016	İSTANBUL GELİŞİM ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ PR. (TAM BURSLU)
Dekan 2014-2016	İSTANBUL GELİŞİM ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/MEKATRONİK MÜHENDİSLİĞİ BÖLÜMÜ/MEKATRONİK MÜHENDİSLİĞİ PR. (TAM BURSLU)
Anabilim Dalı Başkanı 2011-2015	GAZİ ÜNİVERSİTESİ/TEKNOLOJİ FAKÜLTESİ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ PR.
Bölüm Başkanı 2006-2012	GAZİ ÜNİVERSİTESİ/TEKNOLOJİ FAKÜLTESİ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ/ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ PR.
MYO/Yüksekokul Müdürü 2002-2005	GAZİ ÜNİVERSİTESİ/TEKNİK EĞİTİM FAKÜLTESİ/ELEKTRİK EĞİTİMİ BÖLÜMÜ/ENERJİ TESİSLERİ EĞİTİMİ ANABİLİM DALI
MYO/Yüksekokul Müdürü 2002-2004	GAZİ ÜNİVERSİTESİ/TEKNİK EĞİTİM FAKÜLTESİ/ELEKTRİK EĞİTİMİ BÖLÜMÜ/ENERJİ TESİSLERİ EĞİTİMİ ANABİLİM DALI

## Ödüller

1. Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, 2015
2. Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, 2014
3. Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, 2013
4. Outstanding Paper Award, International Conference on Renewable Energy Research and Applications (ICRERA'12), 2012
5. Honorable Award, International Conference on Renewable Energy Research and Applications (ICRERA'12) , 2012

6. Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, 2012
7. Appreciation Award , 11th International Conference on Machine Learning and Applications (ICMLA'12) , 2012
8. Best Special Session on Renewable Energies, International Conference and Exhibition on Ecological Vehicles and Renewable Energies (EVER'11), 2011
9. Uluslararası Bilimsel Yayınları Teşvik Ödülü, TÜBİTAK, 2011
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220. GARWEY S,WRIGHT MT,ÇOLAK İLHAMİ (1994). Aspects of mixed frequency testing of induction machines. International Conference on Electrical Machines (ICEM'94), 623-628. (Tam Metin Bildiri/)(Yayın No:1512880)
221. ELMAS ÇETİN,SAĞIROĞLU ŞEREF,ÇOLAK İLHAMİ,BAL GÜNGÖR (1994). Nonlinear modelling of a switched reluctance drive based on neural networks. Proceedings of MELECON '94. Mediterranean Electrotechnical Conference, 809-812., Doi: 10.1109/MELCON.1994.380979 (Tam Metin Bildiri/)(Yayın No:1512888)
222. ÇOLAK İLHAMİ,ELMAS ÇETİN,BAL GÜNGÖR,COŞKUN İSMAİL (1994). High frequency resonant DC link PWM inverter. Proceedings of MELECON '94. Mediterranean Electrotechnical Conference, 1251-1254., Doi: 10.1109/MELCON.1994.380839 (Tam Metin Bildiri/)(Yayın No:1512889)
223. ÇOLAK İLHAMİ,GARWEY S,WRIGHT MT (1993). Mixed frequency testing of induction machines using inverters. 5th European Conference on Power Electronics and Applications (EPE'93), 317-322. (Tam Metin Bildiri/)(Yayın No:1513039)
224. ÇOLAK İLHAMİ,GARWEY S,WRIGHT MT (1993). Estimation of induction machine parameters for simulation of a mixed frequency test. 6th International Conference on Electrical Machines and Drives, 208-212. (Tam Metin Bildiri/)(Yayın No:1513040)

## C. Yazılan ulusal/uluslararası kitaplar veya kitaplardaki bölümler:

### C1. Yazılan ulusal/uluslararası kitaplar:

1. Optimization and Control of Electrical Machines (2018)., Aissaoui Abdel Ghani,Tahour Ahmed,ÇOLAK İLHAMİ, IntechOpen, Editör:Abdel Ghani Aissaoui, Ahmed Tahour, İlhami Colak, Basım sayısı:1, ISBN:978-1-78923-453-4, İngilizce(Bilimsel Kitap), (Yayın No: 4321843)
2. Elektrik Makinaları-2 (2018)., ÇOLAK İLHAMİ, Seçkin, Editör:ilhami Çolak, Basım sayısı:4, Sayfa Sayısı 352, ISBN:978-975-02-4276-2, Türkçe(Ders Kitabı), (Yayın No: 4198201)
3. Elektrik Kumanda Devreleri ve S7 1200 ile PLC Programlama (2018)., ÇOLAK İLHAMİ,BAYINDIR RAMAZAN,VADİ SEYFETTİN, SEÇKİN YAYINCILIK, Basım sayısı:5, Sayfa Sayısı 296, ISBN:9789750250842, Türkçe(Bilimsel Kitap), (Yayın No: 3138185)
4. Elektrik Makineleri-2 (Asenkron Motorlar - Senkron Makinalar) (2017)., ÇOLAK İLHAMİ, Seçkin Yayınevi, Basım sayısı:4, Sayfa Sayısı 352, ISBN:978-975-02-4276-2, Türkçe(Ders Kitabı), (Yayın No: 3566439)
5. Elektrik Kumanda Devreleri ve S7 1200 ile PLC Programlama Endüstriyel Otomasyon (2016)., ÇOLAK İLHAMİ,BAYINDIR RAMAZAN,VADİ SEYFETTİN, SEÇKİN YAYINCILIK, ISBN:9789750236655, Türkçe(Ders Kitabı), (Yayın No: 2881983)
6. Senkron Makinalar (2010)., ÇOLAK İLHAMİ, SEÇKİN YAYINEVİ, Türkçe(Ders Kitabı), (Yayın No: 1089684)
7. Elektrik Kumanda Devreleri (2008)., ÇOLAK İLHAMİ,BAYINDIR RAMAZAN, SEÇKİN YAYINEVİ, Basım sayısı:2, Sayfa Sayısı 197, ISBN:9789750208546, Türkçe(Ders Kitabı), (Yayın No: 1089683)
8. Asenkron Makinalar (2008)., ÇOLAK İLHAMİ, SEÇKİN YAYINEVİ, Basım sayısı:2, Sayfa Sayısı 174, ISBN:9789750207112, Türkçe(Ders Kitabı), (Yayın No: 1089682)
9. Elektrik Kumanda Devreleri (2004)., ÇOLAK İLHAMİ,BAYINDIR RAMAZAN, SEÇKİN YAYINEVİ, Basım sayısı:1, Sayfa Sayısı 197, ISBN:9750208546, Türkçe(Ders Kitabı), (Yayın No: 60216)
10. Senkron Makinalar (2003)., ÇOLAK İLHAMİ, SEÇKİN YAYINEVİ, Basım sayısı:1, Sayfa Sayısı 182, ISBN:9789753476942, Türkçe(Ders Kitabı), (Yayın No: 60215)
11. Asenkron Makinalar (2001)., ÇOLAK İLHAMİ, NOBEL YAYINEVİ, Basım sayısı:1, Sayfa Sayısı 204, ISBN:9789755911946, Türkçe(Ders Kitabı), (Yayın No: 60214)

## C. Yazılan ulusal/uluslararası kitaplar veya kitaplardaki bölümler:

### C2. Yazılan ulusal/uluslararası kitaplardaki bölümler:

1. Multilevel Inverters, Bölüm adı:(Conventional H-bridge and recent multilevel inverter topologies) (2021)., ÇOLAK İLHAMİ, KEVEN GÖKHAN, KABALCI ERSAN, Academic Press, Editör:Ersan Kabalci, Basım sayısı:1, Sayfa Sayısı 263, ISBN:978-0-12-821668-2, İngilizce(Bilimsel Kitap), (Yayın No: 7667043)
2. Multilevel Inverters, Bölüm adı:(Asymmetrical multilevel inverter topologies) (2021)., ÇOLAK İLHAMİ, KABALCI ERSAN, KEVEN GÖKHAN, ACADEMIC PRESS, Editör:ERSAN KABALCI, Basım sayısı:1, Sayfa Sayısı 263, ISBN:978-0-12-821668-2, İngilizce(Bilimsel Kitap), (Yayın No: 7667047)
3. Control Methods Applied in Renewable Energy Systems, Bölüm adı:(Use, Operation and Maintenance of Renewable Energy Systems: Experiences and Future Approaches) (2014)., ÇOLAK İLHAMİ,KABALCI ERSAN, SPRINGER INTERNATIONAL PUBLISHING, Sayfa Sayısı 41, İngilizce(Bilimsel Kitap), (Yayın No: 1089685)

## D. Ulusal hakemli dergilerde yayımlanan makaleler :

1. ÇOLAK İLHAMİ,KABALCI ERSAN,KEVEN GÖKHAN (2012). Asimetrik çok seviyeli eviricilerin incelenmesi. EMO Bilimsel Dergi, 2(3), 29-35. (Kontrol No: 1089511)
2. ÇOLAK İLHAMİ,KABALCI ERSAN (2009). Çok seviyeli eviricilerin kontrol yöntemleri. TÜBAV Bilim Dergisi, 1(2), 45-54. (Kontrol No: 1089262)
3. GARİP İLHAN,BAYHAN SERTAÇ,ÇOLAK İLHAMİ (2009). Alternatörlerin paralel bağlanma şartlarından gerilim eşitliğinin mikrodenetleyici ile sağlanması. New World Sciences Academy, 4(4), 348-359. (Kontrol No: 1089260)
4. ÇOLAK İLHAMİ,BAYINDIR RAMAZAN,DEMİRTAŞ MEHMET (2009). Türkiye nin Enerji Geleceği. TÜBAV Bilim Dergisi, 1(2), 36-44. (Kontrol No: 1089259)
5. SAĞIROĞLU ŞEREF,ÇOLAK İLHAMİ,BAYINDIR RAMAZAN,ÖZBİLEN ALPER (2009). Dağıtık denetim sistemlerine yönelik elektronik tehditler. TÜBAV Bilim Dergisi, 1(2), 82-88. (Kontrol No: 1089261)
6. ÇOLAK İLHAMİ,BAYINDIR RAMAZAN,BEKTAŞ AŞKIN (2008). Bir endüstriyel işletmede enerjinin izlenmesi. Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 24(1-2), 154-164. (Kontrol No: 1089387)
7. ÇOLAK İLHAMİ,KOŞALAY İLHAN (2008). Elektrik tesislerinde yıldırımın etkilerinin elektromanyetik uyumluluk açısından incelenmesi. TÜBAV Bilim Dergisi, 1(1), 7-12. (Kontrol No: 1089372)
8. ÇOLAK İLHAMİ,DEMİRTAŞ MEHMET (2008). Rüzgâr enerjisinden elektrik üretiminin Türkiye deki gelişimi. TÜBAV Bilim Dergisi, 1(2), 64-72. (Kontrol No: 1089386)
9. BAYINDIR RAMAZAN,SAĞIROĞLU ŞEREF,ÇOLAK İLHAMİ (2007). Yapay sinir ağı tabanlı reaktif güç kompanzasyonu. Politeknik Dergisi, 10(2), 129-135. (Kontrol No: 1089362)
10. BAYINDIR RAMAZAN,BEKTAŞ AŞKIN,ÇOLAK İLHAMİ (2007). Asenkron motorların korunmasına yönelik PLC tabanlı uygulama. Politeknik Dergisi, 10(2), 117-121. (Kontrol No: 1089367)
11. ÇOLAK İLHAMİ,IRMAK ERDAL,BAYINDIR RAMAZAN,SOYSAL MEHMET (2007). Doğru akım motorunun dört bölge denetiminin eğitim amaçlı gerçekleştirilmesi. Politeknik Dergisi, 10(3), 219-227. (Kontrol No: 1089366)
12. ÇOLAK İLHAMİ,BAYINDIR RAMAZAN,KURUŞÇU SEZAI (2007). PLC kontrollü asansör eğitim seti tasarımı ve uygulaması. Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 23(1-2), 86-94. (Kontrol No: 1089370)
13. ÇOLAK İLHAMİ,DEMİRBAŞ ŞEVKİ,IRMAK ERDAL (2006). Asenkron motor benzetimi için web tabanlı bir eğitim aracı. Politeknik Dergisi, 9(4), 233-239. (Kontrol No: 1089358)
14. ÇOLAK İLHAMİ,BAYINDIR RAMAZAN (2005). Klasik yol verme metodlarının denetleyici yardımıyla gerçekleştirilmesi. Fırat Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, 17(1), 10-18. (Kontrol No: 1089316)
15. ÇOLAK İLHAMİ,BAYINDIR RAMAZAN (2005). DA motoru hız kontrolü için denetleyiciyi PI kontrolör olarak programlama. Pamukkale Üniversitesi Mühendislik Fakültesi Mühendislik Bilimleri Dergisi, 11(2) (Kontrol No: 1089319)
16. ÇOLAK İLHAMİ,KOŞALAY İLHAN,SEFA İBRAHİM (2005). Yüksek gerilimli güç sistemlerinde elektromanyetik uyumluluk problemi yaratan temel kaynakların incelenmesi. Gazi Üniversitesi Fen Bilimleri Dergisi, 18(3), 397-407. (Kontrol No: 1089323)
17. ÇOLAK İLHAMİ,BAYINDIR RAMAZAN (2003). Güç katsayısının bir mikrodenetleyici kullanarak ölçümü. Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 19(1-2), 50-58. (Kontrol No: 1089309)
18. ÇOLAK İLHAMİ,IRMAK ERDAL (2003). Bilgisayar kontrollü bina güvenlik sisteminin tasarımı ve uygulaması. Gazi Üniversitesi Fen Bilimleri Dergisi, 16(2), 411-421. (Kontrol No: 1089308)
19. ÇOLAK İLHAMİ,BAYINDIR RAMAZAN (2001). Güç iletim ve dağıtım hatlarının modellenmesi ve simülasyonu. Politeknik Dergisi, 4(4), 103-107. (Kontrol No: 1089303)
20. BAL GÜNGÖR,ÇOLAK İLHAMİ (1995). Sabit kondansatör tristör kontrollü reaktör tipi reaktif güç kompanzatorü. Gazi Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 8(2), 9-15. (Kontrol No: 1089299)

## D. Ulusal hakemli dergilerde yayımlanan makaleler :

21. ÇALIKOĞLU DOĞAN,ÇOLAK İLHAMİ (1988). Rotoru sargılı asenkron motorlarda yarıiletken kullanarak hızın kontrol edilmesi. Teknik Eğitim Fakültesi Dergisi, 1(4), 39-47. (Kontrol No: 1089288)

## E. Ulusal bilimsel toplantılarda sunulan ve bildiri kitaplarında basılan bildiriler:

1. ÇOLAK İLHAMİ (2018). Dijital Dönüşüm. Nish Fikir Atölyesi (Tam Metin Bildiri/Davetli Konuşmacı)(Yayın No:4785981)
2. ÇOLAK İLHAMİ (2017). Mühendislik Teknolojilerinde Etik. Teknoloji ve Etik Çalıştayı (Tam Metin Bildiri/Davetli Konuşmacı)(Yayın No:3566441)
3. ÇOLAK İLHAMİ (2017). Akıllı Şebekeler. Nish Fikir Atölyesi (Tam Metin Bildiri/Davetli Konuşmacı)(Yayın No:3566440)
4. ÇOLAK İLHAMİ,ISSI FATİH (2012). Matlab ile usb portu üzerinden mikrodenetleyici kontrolü. Ulusal Meslek Yüksekokulları Çalıştayı ve Öğrenci Sempozyumu (UMÇÖS'12), 1-4. (Tam Metin Bildiri/)(Yayın No:1513206)
5. ÇOLAK İLHAMİ,BAYINDIR RAMAZAN,KAPLAN ORHAN (2009). DSP tabanlı tek fazlı şönt aktif güç filtreleri. 13. Ulusal Türk Elektrik Mühendisliği Komitesi Konferansı, 1-4. (Tam Metin Bildiri/)(Yayın No:1513204)
6. ÇOLAK İLHAMİ,BAYINDIR RAMAZAN,KAPLAN ORHAN (2009). Yenilenebilir enerji kaynaklarına aktif güç filtresi aracılığı ile şebekeye enerji aktarımı. Uluslararası Katılımlı Nükleer ve Yenilenebilir Enerji Kaynakları Konferansı (NUYEK'09), 1-4. (Tam Metin Bildiri/)(Yayın No:1513203)
7. KABALCI ERSAN,IRMAK ERDAL,ÇOLAK İLHAMİ (2009). Rüzgâr türbinleri için AA DA çevirici tasarımı. Uluslararası Katılımlı Nükleer ve Yenilenebilir Enerji Kaynakları Konferansı (NUYEK'09), 346-351. (Tam Metin Bildiri/)(Yayın No:1513202)
8. KABALCI ERSAN,BAYINDIR RAMAZAN,ÇOLAK İLHAMİ (2009). Fotovoltaik paneller pv için kontrollü 6 fazlı çok seviyeli eviricilerin tasarımı ve harmonik analizi. Uluslararası Katılımlı Nükleer ve Yenilenebilir Enerji Kaynakları Konferansı (NUYEK'09), 175-180. (Tam Metin Bildiri/)(Yayın No:1513201)
9. ÇOLAK İLHAMİ,KAPLAN ORHAN,BAYINDIR RAMAZAN,KUNDAKOĞLU HÜSEYİN (2008). Reaktif güç kompanzasyonu uygulamalarının eğitim amaçlı benzetimi. Elektrik, Elektronik, Bilgisayar Mühendisliği Sempozyumu ve Fuarı, 1-5. (Tam Metin Bildiri/)(Yayın No:1513200)
10. ÇOLAK İLHAMİ,KABALCI ERSAN (2008). Evirici topolojileri ve gelişimleri üzerine bir inceleme. Elektrik, Elektronik, Bilgisayar Mühendisliği Sempozyumu ve Fuarı, 1-5. (Tam Metin Bildiri/)(Yayın No:1513198)
11. KOŞALAY İLHAN,ÇOLAK İLHAMİ (2008). 34 5 0 6 kV luk bir orta gerilim transformatör merkezindeki elektromanyetik alan değerlerinin incelenmesi. Elektrik, Elektronik, Bilgisayar Mühendisliği Sempozyumu ve Fuarı, 1-3. (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:1513196)
12. ÇOLAK İLHAMİ,SEFA İBRAHİM,BAYINDIR RAMAZAN,DEMİRBAŞ ŞEVKİ,DEMİRTAŞ MEHMET (2006). Güneş pillerinin elektrik enerjisi üretiminde kullanımı. VI. Ulusal Temiz Enerji Sempozyumu (UTES'06), 84-92. (Tam Metin Bildiri/)(Yayın No:1513195)
13. ÇOLAK İLHAMİ,BAYINDIR RAMAZAN,SEFA İBRAHİM,DEMİRBAŞ ŞEVKİ,DEMİRTAŞ MEHMET (2006). Hibrit enerji sistemleri için paralel çalışabilen boost konvektör simülasyonu. VI. Ulusal Temiz Enerji Sempozyumu (UTES'06), 725-734. (Tam Metin Bildiri/)(Yayın No:1513167)
14. BAYINDIR RAMAZAN,SEFA İBRAHİM,DEMİRBAŞ ŞEVKİ,ÇOLAK İLHAMİ (2005). Bulanık mantık denetimli senkron motor ile reaktif güç kompanzasyonu benzetimi. Bilimde Modern Yöntemler Sempozyumu (BMYS'05), 1-4. (Tam Metin Bildiri/)(Yayın No:1513163)
15. DEMİRBAŞ ŞEVKİ,IRMAK ERDAL,SEFA İBRAHİM,BAYINDIR RAMAZAN,ÇOLAK İLHAMİ (2005). Doğru akım motorunun web tabanlı modellenmesi ve analizi. Bilimde Modern Yöntemler Sempozyumu (BMYS'05), 1-4. (Tam Metin Bildiri/)(Yayın No:1513164)
16. ÇOLAK İLHAMİ,BAYINDIR RAMAZAN,SEFA İBRAHİM,DEMİRBAŞ ŞEVKİ,ERGEN H (2005). Alternatif enerji kaynaklarının kullanımı. III. Yenilenebilir Enerji Kaynakları Sempozyumu ve Sergisi, 1-4. (Tam Metin Bildiri/)(Yayın No:1513161)
17. ÇOLAK İLHAMİ,BAYINDIR RAMAZAN,DEMİRBAŞ ŞEVKİ,ARSLAN C (2005). Sanayide enerji verimliliği. 1. Enerji Verimliliği ve Kalite Sempozyumu, 336-339. (Tam Metin Bildiri/)(Yayın No:1513160)
18. ÇOLAK İLHAMİ,BAYINDIR RAMAZAN,SEFA İBRAHİM,DEMİRBAŞ ŞEVKİ,DEMİRTAŞ MEHMET (2005). Güneş takip sistemi tasarım ve uygulaması. 1. Enerji Verimliliği ve Kalite Sempozyumu, 301-305. (Tam Metin Bildiri/)(Yayın No:1513159)

## Teknik Not, Vaka Takdimi, Araştırma notu vb.

1. Özet, Pires Vitor Fernão, ÇOLAK İLHAMİ, KUOKAWA FUJIO (2022). Smart Grid as a Key Tool for the Future of Electrical Distribution Networks. Energies, 15, Doi: 10.3390/en15093281 (Yayın No: 8364821)

## Editörlük

1. POLİTEKNİK (Diğer endeksler), Dergi, Yayın Kurulu Üyeliği, GAZİ ÜNİVERSİTESİ, 15.05.2018
2. Electric Power Components and Systems (SCI-Expanded), Dergi, Editör, Taylor and Francis, 01.07.2022
3. Journal of Power Electronics (JPE) (SCI-Expanded), Dergi, Editör, Elsevier, 01.01.2012
4. Tübav Bilim Dergisi (Alan endeksleri), Dergi, Editör, Türk Bilim Araştırma Vakfı, 01.04.2018-30.06.2018
5. International Journal of Engineering Science and Application (IJESA) (Alan endeksleri), Dergi, Editör, Nişantaşı Üniversitesi, 01.01.2017
6. International Journal of Engineering Technologies (IJET) (Alan endeksleri), Dergi, Editör, ULAKBİM, 01.01.2015-30.11.2016
7. International Journal of Renewable Energy Research (IJRER) (Alan endeksleri), Dergi, Editör, IJRER, 01.01.2011
8. International Journal of Smart Grid (ijSmartGrid) (Endekste taranmıyor), Dergi, Editör, ijSmartGrid, 01.01.2017

## Üniversite Dışı Deneyim

2019-2019	<b>Visiting Scholar</b>	Nagasaki University, Graduate School of Engineering, Acceptance as a visiting scholar from 1 April, 2019 to 31 March, 2020., (Yurtdışı Üniversite)
2016-2017	<b>Visiting Scholar</b>	Nagasaki University, Graduate School of Engineering, Acceptance as a visiting scholar from 1 April, 2016 to 31 March, 2017., (Yurtdışı Üniversite)
2012-2014	<b>Scientific Officer</b>	European Commission, Institute for Energy and Transport, Joint Research Centre, JRC, Avrupa Komisyonuna akıllı şebekler alanında rapor hazırlamak, (Avrupa Birliği)

## Çalıştay

- 122122 IEEE 16th International Conference on Machine Learning and Applications (ICMLA2017), IEEE 16th International Conference on Machine Learning and Applications (ICMLA2017), Cancun, Çalıştay, 18.12.2017 -21.12.2017 (Uluslararası)
- 122121 IEEE 6th International Conference on Renewable Energy Research and Applications (ICRERA2017), IEEE 6th International Conference on Renewable Energy Research and Applications (ICRERA2017), San Diego, Çalıştay, 05.11.2017 -08.11.2017 (Uluslararası)