

## Asst. Prof. Erdin GÖKALP

### Personal Information

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### Education Information

Doctorate, Yildiz Technical University, Graduate School of Natural and Applied Sciences, Turkey 1988 - 1994

Postgraduate, Yildiz Technical University, Graduate School of Natural and Applied Sciences, Turkey 1986 - 1988

Undergraduate, Yildiz Technical University, Faculty of Electrical & Electronics, Electrical Engineering Department, Turkey 1981 - 1986

### Dissertations

Doctorate, Üç ve çok fazlı enerji sistemlerinde simetrik bileşenler yöntemi ve faz koordinatları yöntemi ile arıza analizi, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 1994

### Research Areas

Electrical and Electronics Engineering, Energy, Power System Analysis, Electric Power Transmission, Distribution and Protection, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2018 - Continues

Assistant Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 1994 - 2018

Research Assistant, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 1986 - 1994

### Courses

Enerji Dağıtımı, Undergraduate, 2020 - 2021, 2021 - 2022

Enerji İletim Sistemleri, Undergraduate, 2020 - 2021

### Advising Theses

GÖKALP E., Akıllı şebekeler kapsamında Koruma, Doctorate, M.Tan(Student), Continues

GÖKALP E., Akıllı şebekeler güvenilirlik, Doctorate, S.Mirza(Student), Continues

GÖKALP E., Elektrikli araç bataryalarının akıllı şebekeler kapsamında depolama ünitesi olarak yeniden değerlendirilmesi, Postgraduate, S.Mirza(Student), 2015

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

- I. **Effect of electric vehicle parking lots equipped with roof mounted photovoltaic panels on the distribution network**  
TURAN M. T. , ATEŞ Y., ERDİNÇ O., GÖKALP E., Catalao J. P. S.  
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.109, pp.283-289, 2019 (Journal Indexed in SCI)
- II. **Relay coordination analysis and protection solutions for smart grid distribution systems**  
Turan M. T. , GÖKALP E.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.2, pp.474-482, 2016 (Journal Indexed in SCI)
- III. **A new perspective in grid connection of electric vehicles: Different operating modes for elimination of energy quality problems**  
BOYNUEĞRİ A. R. , UZUNOĞLU M., Erdinc O., GÖKALP E.  
APPLIED ENERGY, vol.132, pp.435-451, 2014 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Fault Analysis in Multi-Phase Power Systems Considering Symmetrical Components and Phase Coordinates Methods**  
Gökalp E., Tercan S. M.  
JOURNAL OF ENGINEERING AND TECHNOLOGY, vol.3, pp.42-60, 2019 (International Refereed University Journal)
- II. **Optimal Bağlantı Kriterlerine Göre Güneş Enerji Santrallerinin Şebeke Entegrasyonu ve Ada Modunda Çalışmada Kritik Yüklerin Enerjilendirilmesi**  
Gökalp E.  
Avrupa Bilim ve Teknoloji Dergisi, vol.1, pp.306-314, 2018 (Other Refereed National Journals)
- III. **Enerji Dağıtım Sistemlerinde Güneş Enerji Santrali Entegrasyonu ve Rôle Koordinasyonu**  
Turan M. T. , Ateş Y., Gökalp E.  
EMO Bilimsel Dergi, vol.8, pp.63-69, 2018 (Other Refereed National Journals)
- IV. **Dijital Darbe Kayıtları kullanılarak Yapılan Yıldırım Araştırmasının Faydaları**  
GÖKALP E.  
Kaynak elektrik, 2002 (Other Refereed National Journals)
- V. **Yıldırım Koruması**  
GÖKALP E.  
Kaynak Elektrik, 2002 (Other Refereed National Journals)
- VI. **Enerji Dağıtım Şebekelerine İlişkin Yatırımlarda Ortaya Çıkan Fiyat Farklarının İncelenmesi**  
GÖKALP E.  
Kaynak Elektrik, 1997 (Other Refereed National Journals)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of Distributed Generation Based Campus Model Combined with Electric Vehicle Charging Stations on the Distribution Network**  
TURAN M. T. , ATEŞ Y., ERDİNÇ O., GÖKALP E.  
2019 International Conference on Smart Energy Systems and Technologies (SEST), Porto, Portugal, Portugal, 9 - 11 September 2019

- II. **Daily energy use planning with distributed energy storage systems**  
Tercan S. M. , Demirci A., Gökalp E.  
10th International Symposium on Intelligent Manufacturing and Service Systems (IMSS'19), Sakarya, Turkey, 9 - 11 September 2019
- III. **Impacts of Grid-Integrated Wind Turbines with Scenario-based Load Flow Analysis According to Demand Power**  
Çankırı K. E. , Gökalp E., Turan M. T.  
World Energy Strategies Congress and Exhibition (WESCE-2019), İstanbul, Turkey, 26 - 28 August 2019
- IV. **A CASE STUDY OF ENERGY STORAGE SYSTEM IN DISTRIBUTION GRID FOR DIFFERENT STRATEGIES**  
Tercan S. M. , Gökalp E.  
World Energy Strategies Congress and Exhibition (WESCE-2019) , İstanbul, Turkey, 26 - 28 August 2019, vol.1, no.1, pp.113
- V. **Senaryo Tabanlı Kısa Devre ve Güç Akışı Analizleri ile Rüzgâr Türbinlerinin Şebeke Üzerinde Oluşturduğu Etkilerin İncelenmesi**  
GÖKALP E., ÇANKIRI K. E.  
Ereğli International Science and Academic Congress, Konya, Turkey, 9 - 10 March 2019, vol.2, pp.57-63
- VI. **Harmonik içeren endüstriyel tesislerde düşük ayarlı pasif harmonik filtre tasarımı ve uygulaması**  
Şerbetçi M. B. , Tercan S. M. , Gökalp E.  
1st International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), Ankara, Turkey, 22 - 23 November 2018
- VII. **Fault Analysis in Multi-Phase Power Systems Considering Symmetrical Components and Phase Coordinates Methods**  
GÖKALP E., TERCAN S. M.  
1st INTERNATIONAL ENGINEERING AND TECHNOLOGY SYMPOSIUM (IETS'2018), Batman, Turkey, 3 - 05 May 2018, vol.1, pp.583-590
- VIII. **Economic analysis of energy storage preventing energy outages in distribution grid in Turkey**  
Tercan S. M. , Gökalp E., Kekezoğlu B.  
6th International Conference on Control Engineering and Information Technology, CEIT 2018, İstanbul, Turkey, 25 - 27 October 2018
- IX. **Integration of Electric Vehicle Parking Lot Equipped With Solar Power Plant to the Distribution Network Considering Optimal Operation Criteria**  
TURAN M. T. , ATEŞ Y., GÖKALP E.  
2018 53rd International Universities Power Engineering Conference (UPEC), Glasgow, İSKOÇYA, 4 - 07 September 2018
- X. **Integration of Solar Power Plant to Existing Network with Adaptive Relay Protection in the Concept of Smart Grid**  
Turan M. T. , ATEŞ Y., GÖKALP E.  
9th International Exergy, Energy and Environment Symposium (IEEES), Split, Croatia, 14 - 17 May 2017, pp.351-362
- XI. **Enerji Dağıtım Sistemlerinde Güneş Enerji Santrali Entegrasyonu ve Röle Koordinasyonu**  
Turan M. T. , ATEŞ Y., GÖKALP E.  
1. Ulusal Elektrik Enerjisi Dönüşümü Kongresi, Elazığ, Turkey, 21 - 22 October 2017
- XII. **Elektrikli Araçların Karbon Salınımı**  
TERCAN S. M. , GÖKALP E.  
1. Ulusal Elektrik Enerjisi Dönüşümü Kongresi, Elazığ, Turkey, 21 - 22 September 2017, pp.67-71
- XIII. **Elektrikli Araçların Dağıtım Şebekesi Üzerindeki Harmonik Etkileri**  
TERCAN S. M. , GÖKALP E.  
1. Ulusal Elektrik Enerjisi Dönüşümü Kongresi, Elazığ, Turkey, 21 - 22 September 2017, vol.1, pp.47-50
- XIV. **Self-healing distribution network design with renewable power sources considering adaptive relay protection**  
TURAN M. T. , ATEŞ Y., GÖKALP E.

9th International Exergy, Energy and Environment Symposium (IEEES-9), Split, Croatia, 14 - 17 May 2017

- XV. **UTILIZATION of RURAL OFF-GRID SOLAR ENERGY via C2V and V2G CONCEPT USING SECOND USE VEHICLE BATTERIES**  
TERCAN S. M. , GÖKALP E.  
International Green Energy Euro-mediterranean Hydrogen Technologies Conference (InGECEmHyTec) 2016, GMMARTH, Tunisia, 9 - 12 May 2016, pp.94
- XVI. **Supplying residential loads using second-life electric vehicle batteries**  
TERCAN S. M. , GÖKALP E.  
INTERNATIONAL ENERGY TECHNOLOGIES CONFERENCE (ENTECH) 2014, İstanbul, Turkey, 22 - 24 December 2014, vol.1, pp.137-146
- XVII. **GELENEKSEL BİR RİNG ŞEBEKENİN AKILLI ŞEBEKE ALTYAPISINA UYGUN HATA ANALİZİ VE RÖLE KOORDİNASYONU**  
Turan M. T. , ATEŞ Y., GÖKALP E., YUMURTACI R.  
Elektrik Elektronik ve Bilgisayar Sempozyumu, Elazığ, Turkey, 5 - 07 October 2011, vol.1, pp.217-221
- XVIII. **Geleneksel Bir Ring Şebekesinin Akıllı Şebeke Altyapısına Uygun Hata Analizi Ve Röle Koordinasyonu**  
Ateş Y., Gökalp E., UZUNOĞLU M., Yumurtacı R., Karakaş A.  
01 October 2011
- XIX. **A Concept for The Thermal Model of An Oil Immersed Power Transformer**  
TRABULUS S., GÖKALP E.  
Internatiol Conference On Electrical Engineering, 9 - 13 July 2006
- XX. **Enerji Dağıtım Fiderlerinin Şebeke kayıplarını Azaltmak amacıyla Genetik algoritma Yöntemi Kullanarak Yeniden Yapılandırılması**  
GÖKALP E., ÖZDEŞ A., PEKİNER F. O.  
Elektrik elektronik bilgisayar mühendisliği 11.Ulusal Kongresi ve Fuarı, Turkey, 22 - 25 September 2005
- XXI. **Protection against Lightning Surges of Electrical and Industrial Installations**  
TRABULUS S., GÖKALP E.  
2003 IEEE PES Transmission and Distribution Conference, Dallas, TX, United States Of America, 7 - 12 September 2003, vol.2, pp.515-519
- XXII. **Common Criteria for Right Selection of the Medium Voltage Circuit Breakers**  
TRABULUS S., GÖKALP E., BEKİROĞLU K. N.  
Electrical Insulation Conferece and Electrical ManufacturingCoil Winding Technology Conferece, 23 - 25 September 2003
- XXIII. **Protection Against Lighting Surges of electrical and Industrial Installation**  
TRABULUS S., GÖKALP E.  
IEEE Pes Transmission Distribution Conference, 7 - 12 September 2003
- XXIV. **Integration of Digital Measuring teknoloji in Gas Insulated Substations(GIS)**  
TRABULUS S., GÖKALP E., BEKİROĞLU K. N.  
The 11.Mediterranean Conference on ControlAutomation, 18 - 20 June 2003
- XXV. **The Effect of Switching Overvoltages On Insulation Coordination of Gas Insulated High Voltage Swichgear**  
TRABULUS S., GÖKALP E.  
Nordic Insulation Symposium, 11 - 13 June 2003
- XXVI. **Common criteria for right selection of the medium voltage circuit breakers**  
Trabulus S., Gokalp E., Donmezturk N.  
Electrical Insulation Conference/Electrical-Manufacturing-and-Coil-Winding-Association Exposition, Indiana, United States Of America, 23 - 25 September 2003, pp.161-165
- XXVII. **Protection against lightning surges of electrical and industrial installations**  
Trabulus S., Gokalp E.  
IEEE PES Transmission and Distribution Conference and Exposition, Texas, United States Of America, 7 - 12 September 2003, pp.515-519
- XXVIII. **Kuru Tip Yüksek Gerilim Güç Transformatörlerinin Sargı İzalasyonu İçin Yeni Bir Taslak**

TRABULUS S., GÖKALP E.

Elektrik elektronik bilgisayar Mühendisliği Sempozyumu, Turkey, 8 - 12 November 2000

XXIX. **Cadde ve sokak Aydınlatma Tesislerinin kurulması Sırasında Kontrollük Teşkilatının İşlevi**

GÖKALP E., UMURKAN N.

2.ulusal Aydınlatma Kongresi, Turkey, 26 - 27 November 1998

XXX. **Güç Sistemlerinde Durum Tahmini ve Hatalı Verilerin Yok Edilmesi**

GÖKALP E., Ümitsen H.

Bursa IV. Elektromekanik Sempozyumu, Turkey, 17 - 21 December 1997

XXXI. **Elektrik Enerjisi Yatırımı Kontrollük Hizmetlerinde Bilimsel Destekli bir Model**

UMURKAN N., GÖKALP E.

II.Karamürsel Denizcilik Sempozyumu, Turkey, 30 June - 04 July 1996

XXXII. **SF6 Kesicilerin Geliştirilmesi İçin İleri Diagnostik Metodlar**

GÖKALP E., ÇAKIR H., TRABULUS S.

Elektrik Mühendisliği 6.Ulusal Kongresi, Turkey, 11 - 17 September 1995

XXXIII. **SF6 Tesislerinin Çeşitli Kapsülleme Biçimlerinin Kıyaslanması**

GÖKALP E., ÇAKIR H., TRABULUS S.

Elektrik Mühendisliği 6.Ulusal Kongresi, Turkey, 11 - 17 September 1995

## Supported Projects

GÖKALP E., Project Supported by Higher Education Institutions, Elektrikli Araç Bataryalarının Akıllı Şebekeler Kapsamında Depolama Ünitesi Olarak Yeniden Değerlendirilmesi, 2014 - 2015

## Citations

Total Citations (WOS):46

h-index (WOS):3