

## Prof. BÜLENT ORAL

### Personal Information

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### Biography

Bülent Oral was born in Çorlu in 1970. He graduated from Haydarpaşa Technical High School in 1988. He graduated from Marmara University Technical Education Faculty Electrical Education Department in 1994. He was a teacher at Private Atilla Artam Technical High School for a short time. In 1994, he started his graduate education at Marmara University Institute of Pure and Applied Sciences. In December of the same year, he began work as a research assistant in Marmara University Technical Education Faculty, Department of Electricity Education. He completed his master's degree in 1997, with thesis title "Instrument transformer examined under dynamic behaviour" under the supervisor of Prof. Dr. İrfan Güney. In 1998, he started his PhD at Marmara University Institute of Pure and Applied Sciences. After completing the courses stage, he was a guest lecturer for a period of 6 months at the Loughborough University Electrical and Electronics Engineering CREST Research Center. In 1999, he was appointed as lecturer at Marmara University Technical Education Faculty Electrical Education Department. In February 2001, He started his PhD thesis titled "The determination of national electrical energy policy in the European Union participation and comparison with the European Union countries" under the supervisor of Prof. Dr. İrfan Güney and completed in 2004. He received the academic positions of Assistant Professor in 2006, Associate Professor in 2012 and Professor in 2018. During this period, he served as Vice Head of Department, Vice Dean of the Faculty and Vice Director of the Institute. He has still worked as the Head of Power System Division. Prof.Dr. Bülent ORAL is married and has a child.

### Education Information

Doctorate, Marmara University, Institute For Graduate Studies İn Pure And Applied Sciences, Department Of Electrical Education, Turkey 1997 - 2004

Postgraduate, Marmara University, Institute For Graduate Studies İn Pure And Applied Sciences, Department Of Electrical Education, Turkey 1994 - 1997

Undergraduate, Marmara University, Faculty Of Technical Education, Electric Education, Turkey 1989 - 1994

### Dissertations

Doctorate, Avrupa Birliği'ne Giriş Sürecinde Ulusal Elektrik Enerji Politikasının Belirlenmesi ve Avrupa Birliği Ülkeleri İle Karşılaştırılması, Marmara University, Institute For Graduate Studies İn Pure And Applied Sciences, Department Of Electrical Education, 2004

Postgraduate, Ölçü Transformatörlerinin Dinamik Davranışının İncelenmesi, Marmara University, Institute For Graduate Studies İn Pure And Applied Sciences, Department Of Electrical Education, 1997

## Research Areas

Electrical and Electronics Engineering, Energy, Lighting Technology, Power System Analysis, Generating Stations and Plants, Electric Power Transmission, Distribution and Protection, Protection Systems, Renewable energy, High Voltage Technique

## Academic Titles / Tasks

Professor, Marmara University, Faculty Of Technology, Electrical And Electronics Engineering, 2018 - Continues  
Associate Professor, Marmara University, Faculty Of Technology, Electrical And Electronics Engineering, 2013 - 2018  
Associate Professor, Marmara University, Faculty Of Technical Education, Electric Education, 2012 - 2013  
Assistant Professor, Marmara University, Faculty Of Technical Education, Electric Education, 2006 - 2012  
Lecturer, Marmara University, Faculty Of Technical Education, Electric Education, 1999 - 2006  
Research Assistant, Marmara University, Faculty Of Technical Education, Electric Education, 1994 - 1999

## Academic and Administrative Experience

Head of Department, Marmara University, Faculty Of Technology, Electrical And Electronics Engineering, 2018 - Continues  
Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2013 - 2014  
Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2013 - 2014  
Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2013 - 2014  
Marmara University, Faculty of Technical Education, 2011 - 2013  
Marmara University, Faculty of Technical Education, Electric Education, 2009 - 2011  
Marmara University, Faculty of Technical Education, Electric Education, 2001 - 2002

## Advising Theses

Oral B., Sağlam Ş., Fotovoltaik panel testleri için ışık spektrumu kontrollü solar simülatör tasarımı, Doctorate, V.ESEN(Student), 2020  
Sağlam Ş., Oral B., POLİKRİSTAL YAPILI FOTOVOLTAİK PANELLERİN LABORATUVAR TESTLERİ VE FİZİBİLİTE ÇALIŞMALARI İLE SAHA UYGULAMASI SONUÇLARININ KARŞILAŞTIRILMASI, Postgraduate, E.KILINÇ(Student), 2019  
ORAL B., Eğitim amaçlı elektrik piyasası simülatörünün geliştirilmesi, Postgraduate, O.Altuntaş(Student), 2019  
Varbak Neşe S., Oral B., Değişken yenilenebilir enerji penetrasyonu artışının Türkiye güç sistemine etkisi, Postgraduate, S.IMPRAM(Student), 2019  
Oral B., Öner Y., Yüksek gerilim tesislerinde yapılan canlı bakım çalışmalarında elektromanyetik alan seviyeleri ve değerlendirilmesi, Postgraduate, M.ZEKİ(Student), 2019  
ORAL B., Elektrikli araçların dağıtım şebekesine entegrasyonu, Postgraduate, M.Emrah(Student), 2019  
ORAL B., Fotovoltaik güç sistemlerinin stadyumlara entegre edilmesi, Postgraduate, E.Arslan(Student), 2019  
Oral B., Sahne kurulumu ve performansı sırasında iş güvenliği riskleri:Öönleme ve çözüm önerileri, Postgraduate, E.ŞENEL(Student), 2018  
Oral B., Sağlam Ş., Bina montajlı güneş-rüzgar hibrid elektrik güç sistemlerinin analizi, Postgraduate, D.AYHAN(Student), 2011  
ORAL B., Enterkonnekte şebekelerde oluşan sistem çökmelerinin irdelenmesi, Postgraduate, P.Candar(Student), 2011  
Oral B., Akıncı T. Ç., Elektrik güç sistemlerinde kısa devre ve toprak arızalarının zaman-frekans analizi yöntemiyle belirlenmesi, Postgraduate, V.Esen(Student), 2011  
ORAL B., TOPUZ V., Rüzgar- güneş hibrid güç sistem beslemeli bir mekanın aydınlık düzeyinin led'li armatürler kullanılarak kontrolü, Doctorate, İ.Kıyak(Student), 2010

ORAL B., Alçak gerilim şebekelerinde temasa karşı koruma tedbirleri eğitim seti tasarımı ve yapımı, Postgraduate, K.Gökkurt(Student), 2008

Oral B., Genel afet sonrası elektrik şebekelerinde oluşan sistem çökmelerinin bilgisayar destekli analizi, Postgraduate, F.DÖNMEZ(Student), 2008

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

- I. **Electric field analysis of 66 kV and 110 kV SiR insulators under combined AC-DC voltages**  
İSPİRLİ M. M. , ORAL B., Kalenderli Ö.  
ENERGY REPORTS, vol.8, pp.361-368, 2022 (Journal Indexed in SCI)
- II. **The Effect of DC Voltage Pre-Stress on the Breakdown Voltage of Air under Composite DC and LI Voltage and Test Circuit: Design and Application**  
İSPİRLİ M. M. , Kalenderli Ö., Seifert F., Rock M., ORAL B.  
Energies, vol.15, no.4, 2022 (Journal Indexed in SCI Expanded)
- III. **Toward Class AAA LED Large Scale Solar Simulator With Active Cooling System for PV Module Tests**  
Esen V., Sağlam Ş., Oral B., Ceylan Esen Ö.  
IEEE Journal of Photovoltaics, vol.12, no.1, pp.364-371, 2022 (Journal Indexed in SCI Expanded)
- IV. **Investigation of impact of DC component on breakdown characteristics for different electric fields under composite AC & DC voltage**  
İspirli M. M. , Kalenderli Ö., Seifert F., Rock M., ORAL B.  
HIGH VOLTAGE, 2022 (Journal Indexed in SCI)
- V. **Challenges of renewable energy penetration on power system flexibility: A survey**  
İmram S., Nese S., ORAL B.  
ENERGY STRATEGY REVIEWS, vol.31, 2020 (Journal Indexed in SCI)
- VI. **Light sources of solar simulators for photovoltaic devices: A review**  
Esen V., SAĞLAM Ş., ORAL B.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.77, pp.1240-1250, 2017 (Journal Indexed in SCI)
- VII. **Smart indoor LED lighting design powered by hybrid renewable energy systems**  
KIYAK İ., ORAL B., TOPUZ V.  
ENERGY AND BUILDINGS, vol.148, pp.342-347, 2017 (Journal Indexed in SCI)
- VIII. **Natural gas reserve/production ratio in Russia, Iran, Qatar and Turkmenistan: A political and economic perspective**  
Esen V., ORAL B.  
ENERGY POLICY, vol.93, pp.101-109, 2016 (Journal Indexed in SCI)
- IX. **The determination of short circuits and grounding faults in electric power systems using time-frequency analysis**  
Esen V., ORAL B., AKINCI T. Ç.  
JOURNAL OF ENERGY IN SOUTHERN AFRICA, vol.26, no.2, pp.123-132, 2015 (Journal Indexed in SCI)
- X. **Design and comparative analysis of high power led with fluorescent lamp in laboratory lighting systems**  
KIYAK İ., ORAL B., TOPUZ V.  
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.29, no.2, pp.1147-1158, 2012 (Journal Indexed in SCI)
- XI. **Modeling of dimmable High Power LED illumination distribution using ANFIS on the isolated area**  
KIYAK İ., TOPUZ V., ORAL B.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.38, no.9, pp.11843-11848, 2011 (Journal Indexed in SCI)
- XII. **The impacts of natural disasters on power systems: Anatomy of the marmara earthquake blackout**  
ORAL B., Dönmez F.  
Acta Polytechnica Hungarica, vol.7, no.2, pp.107-118, 2010 (Journal Indexed in SCI)
- XIII. **Analysis of the Power Blackout in the Marmara Earthquake**

## Articles Published in Other Journals

- I. **Spectrum Measurement of Variable Irradiance Controlled LED-Based Solar Simulator**  
ESEN V., SAĞLAM Ş., ORAL B., CEYLAN ESEN Ö.  
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.10, no.1, pp.109-116, 2020 (Journal Indexed in ESCI)
- II. **ELECTRIC AND MAGNETIC FIELD MEASUREMENTS FOR HIGH VOLTAGE TRANSMISSION LINES: THE CASE OF TURKEY**  
çelik m. z. , İSPİRLİ M. M. , ÖNER Y., ORAL B.  
Journal Of Energy Technology - JET, vol.12, no.3, pp.1-10, 2019 (Refereed Journals of Other Institutions)
- III. **Comparison of the Effects of Regional Meteorological and Geographical Parameters on PV Generation Simulation Results**  
SAĞLAM Ş., kılınç e., ORAL B.  
WSEAS TRANSACTIONS on CIRCUITS and SYSTEMS, vol.18, pp.84-89, 2019 (Refereed Journals of Other Institutions)
- IV. **Evaluation of Stadiums in Urban Areas for Photovoltaic Potential: A Case Study**  
ORAL B., ARSLAN TUNCAR E.  
Academic Journal of Science, 2018 (Refereed Journals of Other Institutions)
- V. **The Training of Renewable Energy Systems: Undergraduate Studies**  
ESEN V., VARBAK NEŞE S., SAĞLAM Ş., ORAL B.  
Balkan Journal of Electrical and Computer Engineering, vol.5, pp.26-29, 2017 (Refereed Journals of Other Institutions)
- VI. **Measurements of meteorological parameter effects on photovoltaic energy production**  
SAĞLAM Ş., ORAL B., GÖRGÜLÜ S.  
International Journal of Circuits, Systems and Signal Processing, vol.9, pp.240-246, 2015 (Refereed Journals of Other Institutions)
- VII. **Computer Simulation Modeling and Analysis of Sudden Load Rejection In Power System of Istanbul European Side**  
ORAL B., SAĞLAM Ş.  
International Review on Computers and Software, vol.5, pp.557-561, 2010 (Refereed Journals of Other Institutions)
- VIII. **Modern Lighting Sources and Controls for Energy Efficient Lighting and a Smart Control Algorithm Application**  
SAĞLAM Ş., ORAL B.  
WSEAS Transactions on Systems, vol.9, pp.1098-1108, 2010 (Refereed Journals of Other Institutions)
- IX. **The importance of in service training in restructuring sectors**  
ORAL B., SAĞLAM Ş.  
Procedia - Social and Behavioral Sciences, vol.2, pp.4383-4386, 2010 (Refereed Journals of Other Institutions)
- X. **AB Elektrik İç Pazar Uyumu Sürecinde Üye Ülkelerden Bazılarına Tanınan Ayrıcalıklar ve Türkiye nin Konumu**  
ORAL B., SOHTAOĞLU N. H. , GÜNEY K. R. İ.  
Avrupa Araştırmaları Dergisi, vol.14, pp.245-255, 2006 (Other Refereed National Journals)
- XI. **AB Elektrik Enerjisi Sektöründeki Düzenlemeler ve Birlik Üyelerindeki Uygulamalar**  
ORAL B., SOHTAOĞLU N. H. , GÜNEY K. R. İ.  
Marmara Avrupa Araştırmaları Dergisi, vol.13, pp.87-110, 2005 (Other Refereed National Journals)

## Books & Book Chapters

- I. **The Flexibility in Power System with High Photovoltaic Penetration into Extra-High Voltage Level**  
Impram S., VARBAK NEŞE S., ORAL B.  
in: A Practical Guide for Advanced Methods in Solar Photovoltaic Systems, Adel Mellit, Mohamed Benghanem, Editor, Springer, Cham, pp.165-202, 2020
- II. **Solar Irradiation Fundamentals and Solar Simulators**  
ESEN V., SAĞLAM Ş., ORAL B.  
in: A Practical Guide for Advanced Methods in Solar Photovoltaic Systems, Mellit Adel, Benghanem Mohamed, Editor, Springer, Cham, pp.3-28, 2020

## Refereed Congress / Symposium Publications in Proceedings

- I. **Application and Comparative Analysis of Fuzzy Inference System for Transformer Fault Diagnosis with Dissolved Gases in Oil**  
İSPİRLİ M. M. , Adah H., KALENDERLİ Ö., Çelik M. Z. , ORAL B.  
The 3rd International Conference on High Voltage Engineering and Power System, Bandung, Indonesia, 05 October 2021
- II. **Electric field analysis of 66 kV and 110 kV SiR insulators under combined AC-DC voltages**  
İSPİRLİ M. M. , ORAL B., KALENDERLİ Ö.  
8th International Conference on Power and Energy Systems Engineering (CPESE 2021), Fukuoka, Japan, 12 September 2021
- III. **Analysis of a Building-Mounted Wind-Solar Hybrid Power System in Urban Residential Areas: The Case Study of Istanbul**  
ORAL B., SAĞLAM Ş., Mellit A.  
2nd International Conference on Electronic Engineering and Renewable Energy, Saida, Algeria, 13 - 15 April 2020, vol.1, pp.729-737
- IV. **Assessment of occupational health and safety issues in geothermal energy systems**  
ERTEN B., ORAL B., UTLU Z.  
33rd International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, Osaka, Japan, 29 June - 03 July 2020, pp.2274-2285
- V. **TÜRKİYE'DEKİ ENERJİ İLETİM HATLARINDAKİ CANLI BAKIM ÇALIŞMALARININ ENERJİ MALİYETİNE ETKİSİ**  
Çelik M. Z. , İSPİRLİ M. M. , SAĞLAM Ş., ORAL B.  
ELEKTRİK İLETİM VE ÜRETİMİNDE ENERJİ VERİMLİLİĞİ SEMPOZYUMU, Ankara, Turkey, 24 February 2020
- VI. **ELECTRIC AND MAGNETIC FIELD MEASUREMENTS FOR HIGH VOLTAGE TRANSMISSION LINES: THE CASE OF TURKEY**  
çelik m. z. , İSPİRLİ M. M. , ÖNER Y., ORAL B.  
14th International Conference on Applied Electromagnetics - PIEC 2019, Niš, 26 - 28 August 2019
- VII. **INVESTIGATION OF LOW VOLTAGE RIDE THROUGH LIMITATIONS IN TERMS OF RENEWABLE ENERGY**  
ORAL B., VARBAK NEŞE S., Impram S.  
4th International Conference on Viable Energy Trends, 26 - 28 April 2019
- VIII. **Micro-grid reactive power sharing using an adaptive virtual impedance technique**  
Sellamna H., Mellit A., Rabhi A., Hajji B., ORAL B.  
5th International Conference on Wireless Technologies, Embedded and Intelligent Systems, WITS 2019, Fez, Morocco, 3 - 04 April 2019
- IX. **Elektrikli araç mimarileri ve batarya teknolojilerinin değerlendirilmesi**  
ORAL B., ÖZCAN M. E.  
EurasianSciEnTech 2018, 22 - 23 November 2018, vol.1
- X. **Elektrikli araçların elektrik dağıtım şebekesi üzerine etkilerinin incelenmesi**

ORAL B., ÖZCAN M. E.

EurasianSciEnTech 2018), 22 - 23 November 2018

- XI. **A Simulator Study on Learning about Operation of Turkish Electricity Market**  
ORAL B., altuntaş O.  
CIEA'xx 2018, 20 - 22 September 2018
- XII. **A Literature Review on the Electricity Market Simulators**  
ORAL B., altuntaş O.  
CIEA'xx 2018, 20 - 22 September 2018
- XIII. **Estimation of Solar Radiation Using Artificial Neural Network with Meteorological Data of Marmara University Goztepe Campus**  
SAĞLAM Ş., AKAR O., ORAL B.  
International Conference on Science and Technology, Prizren, Serbia, 5 - 09 September 2018, vol.1, pp.695-704
- XIV. **Analysis of Blackout Cases in the Power Systems**  
ORAL B., SAĞLAM Ş.  
International Science and Technology Conference, Paris, France, 18 July - 20 August 2018, vol.1, pp.95-102
- XV. **Low Cost Led Based Solar Simulator with Variable Spectrum Controller**  
ESEN V., SAĞLAM Ş., ORAL B., CEYLAN ESEN Ö.  
6. European Conference on Renewable Energy Systems, İstanbul, Turkey, 25 - 27 June 2018, vol.1, pp.967-972
- XVI. **A Study of Occupational Safety Risk Assessment on Natural Gas Combined Cycle Power Plant**  
ORAL B., Kılıç Ç.  
8TH INTERNATIONAL ADVANCED TECHNOLOGIES SYMPOSIUM, Elazığ, Turkey, 19 - 22 October 2017
- XVII. **The Integrated PV Power Plants on the Roof of Stadiums: Sustainability and Energy Economy**  
ORAL B., Tuncar E.  
8TH INTERNATIONAL ADVANCED TECHNOLOGIES SYMPOSIUM, 19 - 22 October 2017
- XVIII. **AÇIK VE KAPALI ALANLARDA SAHNE PERFORMANSI VE KURULUMU SIRASINDA MEYDANA GELEN KAZALAR VE ANALİZİ**  
Şenel E., ORAL B.  
2. INTERNATIONAL CONGRESS ON OCCUPATIONAL SAFETY AND SECURITY, Kocaeli, Turkey, 8 - 09 November 2017
- XIX. **SAHNE KURULUMU VE PERFORMANSI KONUSUNDA ETKİNLİK GÜVENLİĞİ ÜZERİNE ULUSLARARASI ÖLÇÜTTE BAKIŞ**  
Şenel E., ORAL B.  
2. INTERNATIONAL CONGRESS ON OCCUPATIONAL SAFETY AND SECURITY, Kocaeli, Turkey, 8 - 09 November 2017
- XX. **EVALUATION OF STADIUMS IN URBAN AREAS FOR PHOTOVOLTAIC POTENTIAL: A CASE STUDY**  
ORAL B., Tuncar E.  
International Journal of Arts Sciences' (IJAS) International Conference for Engineering and Technology, Prague, Czech Republic, 23 - 26 October 2017
- XXI. **Investigation of Wavelength Changes of the LEDs Used for Illumination**  
ESEN V., SAĞLAM Ş., ORAL B.  
Lux Europa 2017, Ljubljana, Slovenia, 18 - 20 September 2017, pp.299-303
- XXII. **The Economic Impacts of the Renewable Energy Development in Turkey**  
ORAL B., oral d.  
International Conference on Sustainable Development 5th ICSD 2017, Roma, Italy, 6 - 07 September 2017
- XXIII. **Under The National Criteria Evaluation of Associate Degree Programs In Occupational Health and Safety**  
ORAL B., ORAL B.  
International Conference on Safety and Health, 8 - 11 May 2016
- XXIV. **İş Sağlığı ve Güvenliği Ön Lisans Programlarının Ulusal Ölçütte Değerlendirilmesi Under The National Criteria Evaluation of Associate Degree Programs in Occupational Health and Safety**  
ORAL B., ORAL B.  
8. Uluslararası İş Sağlığı ve Güvenliği Konferansı, 8 - 11 May 2016

- XXV. **Building Mounted Solar Wind Hybrid Electric Power System Analysis**  
SAĞLAM Ş., ORAL B., Dursun A.  
10th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES '15), 27 September - 02 October 2015
- XXVI. **İş Güvenliği Uzaktan Öğretim Programındaki Öğrencilerin Memnuniyet ve Beklentileri UZEM Örneği**  
çırakoğlu s., AKKUL N., ORAL B.  
EJER CONGRESS 2015, Ankara, Turkey, 8 - 10 June 2015
- XXVII. **The Effects of the Economic Crisis on the Electricity in Turkey**  
ORAL B., SAĞLAM Ş.  
International Conference on Science Technology and Management (ICSTM), 2 - 04 August 2015
- XXVIII. **The Effects of The Economic Crisis On The Electricity Sector in Turkey**  
ORAL B., SAĞLAM Ş.  
International Conference on Science Technology and Management, Barcelona, Spain, Barcelona, Spain, 1 - 02 August 2015
- XXIX. **Comparison of Regional Photovoltaic Energy Production Marmara Region**  
SAĞLAM Ş., ORAL B., GÖRGÜLÜ S.  
13th International Conference on Instrumentation, Measurement, Circuits and Systems (IMCAS'xx14), 15 - 17 December 2014
- XXX. **Energy Efficient Lighting Controls and a Sample Application**  
SAĞLAM Ş., ORAL B.  
WSEAS International Conference on Energy Planning, Energy Saving, Environmental Education (EPESE'xx 10), 3 - 06 May 2010, vol.1, pp.176
- XXXI. **The importance of in-service training in restructuring sectors**  
ORAL B., SAĞLAM Ş.  
2nd World Conference on Educational Sciences (WCES-2010), İstanbul, Turkey, 4 - 08 February 2010, vol.2, pp.4383-4386
- XXXII. **Transformation of technical education faculties in Turkey in the process of European Union: Faculty of applied sciences**  
SAĞLAM Ş., ORAL B.  
2nd World Conference on Educational Sciences (WCES-2010), İstanbul, Turkey, 4 - 08 February 2010, vol.2, pp.4513-4517
- XXXIII. **Effects of lighting performance on cooling for power LED**  
KIYAK İ., ORAL B., TOPUZ V.  
11th European Lighting Conference, 9 - 11 September 2008
- XXXIV. **Modeling of High Power LED Illumination Distribution Using ANN**  
KIYAK İ., TOPUZ V., ORAL B.  
6.th International Conference on Electrical and Electronics Engineering, 1 - 03 September 2009
- XXXV. **Yerleşim Bölgelerinde Rüzgâr Enerjisi Kullanımının Yaygınlaştırılması Bina Montajlı Rüzgâr Türbinleri**  
KIYAK İ., ORAL B., TOPUZ V.  
Türkiye 11.Enerji Kongresi ve Sergisi, Turkey, 1 - 03 June 2009
- XXXVI. **Analysis of Disturbances in Large Power Systems Case Study of the 1999 Marmara Earthquake**  
ORAL B., Ferdun D.  
6. International Electric Power Quality and Supply Reliability Conference, 27 - 29 August 2008
- XXXVII. **A Comparative Study on the Similarities Di**  
ORAL B., SOHTAOĞLU N. H. , GÜNEY K. R. İ.  
31st IAEE Annual International Conference, 18 - 20 June 2008
- XXXVIII. **Güneş Pili Sistemlerinde Enerjinin Depolanması Fotovoltaik Hidrojen Sistemleri**  
ORAL B., TERZİ Ü. K. , GÜNEY K. R. İ.  
III. Ulusal Temiz Enerji Sempozyumu, İstanbul, Turkey, 15 - 17 November 2000, pp.185-192
- XXXIX. **Güneş Hidrojen Sistemlerinin Teknolojik ve Ekonomik Açından incelenmesi**

ORAL B., TERZİ Ü. K., GÜNEY K. R. İ.

Güneş Günü Sempozyumu 98, İzmir, Turkey, 1 - 02 June 1998, pp.29-33

**XL. Güneş Pili Asenkron Motor Sisteminin PSpice İle Analizi**

GÜNEY K. R. İ., TERZİ Ü. K., ORAL B.

4. Elektromekanik Sempozyumu, Bursa, Turkey, 17 - 21 December 1997, pp.162-165

**XLI. Hidrojen Enerjisi Teknolojileri ve Ülkemiz İçin Değerlendirmesi**

GÜNEY K. R. İ., TERZİ Ü. K., ORAL B.

5. Yanma Semp., Turkey, 21 - 23 July 1997, pp.76-81

**XLII. Marmara Üniversitesi Teknik Eğitim Fakültesi Elektrik Eğitimi Bölümü Elektrik Makinaları ve Elektrik Devreleri Laboratuvarlarının Aydınlatma Gürültü ve Antropometrik Açidan İncelenmesi**

EKREN N., büyüktürk f., TERZİ Ü. K., ORAL B.

Yöneylem Araştırması ve Endüstri Mühendisliği 96, XVIII. Ulusal Kongresi, İstanbul, Turkey, 23 - 26 October 1996, pp.148-151

## Supported Projects

Erdal H., Oral B., Aküner M. C., Çakır M., TUBITAK Project, 2019 Yılı Marmara Üniversitesi ile BEST A.Ş. İşbirliği Sanayi Doktora Projesi, 2020 - 2024

Oral B., Project Supported by Higher Education Institutions, Fotovoltaik Güç Sistemlerinin Stadyumlara Entegre Edilmesi, 2016 - 2021

Oral B., Akgiray Ö., TUBITAK Project, Marmara Üniversitesi Ar Ge Strateji Belgesi Çevre Teknolojiler, 2016 - 2018

Oral B., Erdoğan B., TUBITAK Project, Enerji verimliliğine yönelik nem ve karbondioksit sensörlerinin tasarımı, 2014 - 2017

Kıyak İ., Baba A. F., Oral B., Dursun E., Varbak Neşe S., Bayar H., Project Supported by Higher Education Institutions, Hidrejen Yakıt Pili Temelli Hibrit Güç Sistemlerinin Entegrasyonu Laboratuvarının Kurulması, 2014 - 2016

Topuz V., Oral B., Kıyak İ., Atış S., Sağlam Ş., Project Supported by Higher Education Institutions, RÜZGAR GÜNEŞ HİBRİD GÜÇ SİSTEM BESLEMELİ BİR MEKANIN AYDINLIK DÜZEYİNİN LED'Lİ ARMATÜRLER KULLANILARAK KONTROLÜ, 2007 - 2010

## Patent

Kıyak İ., Oral B., Topuz V., POWER LED MODÜL İÇEREN DAHİLİ AKILLI AYDINLATMA ARMATÜRÜ, Patent, CHAPTER H Electricity, The Invention Recourse Number: , Initial Registration, 2017

## Citations

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