

Prof. Mehmet Emin Meral

Personal Information

Office Phone: [+90 432 444 5065](tel:+904324445065) Extension: 28166

Email: emeral@yyu.edu.tr

Web: <https://avesis.yyu.edu.tr/emeral>

Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 2005 - 2009

Postgraduate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 2001 - 2003

Undergraduate, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 1997 - 2001

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Voltage Quality Enhancement with Custom Power Park, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, 2009

Postgraduate, Doğrusal Olmayan Güç Sistemi Devrelerinin Durum Uzayı Tekniğiyle Çözümü, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, 2003

Research Areas

Electrical and Electronics Engineering, Electronic, Circuit Theory, Energy, Power System Analysis, Electric Power Transmission, Distribution and Protection, Renewable energy, Power Electronics, Power Quality, Engineering and Technology

Academic Titles / Tasks

Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği Bölümü, 2019 - Continues
Associate Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği Bölümü, 2013 - 2019

Assistant Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği Bölümü, 2010 - 2013

Research Assistant, Cukurova University, Fen Bilimleri Enstitüsü, 2005 - 2009

Academic and Administrative Experience

Van Yüzüncü Yil University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü Elektrik Tesisleri Ana Bilim Dalı, 2013 - Continues

Head of Department, Van Yüzüncü Yil University, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği Bölümü, 2020 - 2021

Fakülte Kurulu Üyesi, Van Yüzüncü Yil University, Mühendislik Fakültesi, 2020 - 2021

Fakülte Yönetim Kurulu Üyesi, Van Yüzüncü Yil University, Mühendislik Fakültesi, 2015 - 2019

Rectorate Commissioner, Van Yüzüncü Yil University, Rektörlük, 2015 - 2017

Fakülte Kurulu Üyesi, Van Yüzüncü Yil University, Mühendislik Fakültesi, 2015 - 2017

Advising Theses

Meral M. E. , Mikro Şebeke Uygulamalarında Evirici Kontrol Yöntemlerinin Geliştirilmesi, Doctorate, D.Çelik(Student), 2020

Meral M. E. , Dağıtım Şebekelerinde D-STATKOM ile Gerilim Kalitesinin İyileştirilmesi, Postgraduate, F.ÇAKMAK(Student), 2018

Meral M. E. , Dağıtılmış Üretim Sistemlerinin Modellenmesi, Analizi Ve Şebekeyle Entegrasyonunun İncelenmesi, Postgraduate, D.ÇELİK(Student), 2016

Meral M. E. , Maden Konsantrasyon Tesislerinde Kullanılan Bilyalı Değirmenlerin Otomasyonu ve Verimlilik Analizi, Postgraduate, E.BAYKAN(Student), 2014

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

- I. **A coordinated virtual impedance control scheme for three phase four leg inverters of electric vehicle to grid (V2G)**
Çelik D., Meral M. E.
ENERGY, vol.246, 2022 (Journal Indexed in SCI)
- II. **Mitigation of DC-link voltage oscillations to reduce size of DC-side capacitor and improve lifetime of power converter**
Meral M. E. , Çelik D.
ELECTRIC POWER SYSTEMS RESEARCH, vol.194, 2021 (Journal Indexed in SCI)
- III. **Minimisation of power oscillations with a novel optimal control strategy for distributed generation inverter under grid faulty and harmonic networks**
Meral M. E. , Çelik D.
IET Renewable Power Generation, vol.14, no.15, pp.3010-3022, 2020 (Journal Indexed in SCI)
- IV. **Multi-objective control scheme for operation of parallel inverter-based microgrids during asymmetrical grid faults**
Çelik D., Meral M. E.
IET RENEWABLE POWER GENERATION, vol.14, no.13, pp.2487-2498, 2020 (Journal Indexed in SCI)
- V. **Proportional complex integral based control of distributed energy converters connected to unbalanced grid system**
Meral M. E. , Çelik D.
Control Engineering Practice, vol.103, 2020 (Journal Indexed in SCI)
- VI. **Voltage support control strategy of grid-connected inverter system under unbalanced grid faults to meet fault ride through requirements**
Çelik D., Meral M. E.
IET GENERATION TRANSMISSION & DISTRIBUTION, vol.14, no.16, pp.3198-3210, 2020 (Journal Indexed in SCI)
- VII. **PERFORMANCE COMPARISON OF SEQUENCE EXTRACTORS FOR REFERENCE CURRENT GENERATION AND SAG/SWELL DETECTION IN POWER SYSTEMS**
Çelik D., Meral M. E.
REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE, vol.65, pp.21-26, 2020 (Journal Indexed in SCI)

- VIII. **A novel current control strategy for grid connected renewable energy source inverters**
Meral M. E. , Çelik D.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.1, pp.537-550, 2020 (Journal Indexed in SCI)
- IX. **Virtual Park-based control strategy for grid-connected inverter interfaced renewable energy sources**
Çelik D., Meral M. E. , Inci M.
IET RENEWABLE POWER GENERATION, vol.13, no.15, pp.2840-2852, 2019 (Journal Indexed in SCI)
- X. **A novel control strategy for grid connected distributed generation system to maximize power delivery capability**
Çelik D., Meral M. E.
ENERGY, vol.186, 2019 (Journal Indexed in SCI)
- XI. **Current control based power management strategy for distributed power generation system**
Çelik D., Meral M. E.
CONTROL ENGINEERING PRACTICE, vol.82, pp.72-85, 2019 (Journal Indexed in SCI)
- XII. **A comprehensive survey on control strategies of distributed generation power systems under normal and abnormal conditions**
Meral M. E. , Çelik D.
ANNUAL REVIEWS IN CONTROL, vol.47, pp.112-132, 2019 (Journal Indexed in SCI)
- XIII. **A flexible control strategy with overcurrent limitation in distributed generation systems**
Çelik D., Meral M. E.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.104, pp.456-471, 2019 (Journal Indexed in SCI)
- XIV. **Benchmarking simulation and theory of various PLLs produce orthogonal signals under abnormal electric grid conditions**
Meral M. E. , Çelik D.
ELECTRICAL ENGINEERING, vol.100, no.3, pp.1805-1817, 2018 (Journal Indexed in SCI)
- XV. **Comparison of SRF/PI- and STRF/PR-based power controllers for grid-tied distributed generation systems**
Meral M. E. , Çelik D.
ELECTRICAL ENGINEERING, vol.100, no.2, pp.633-643, 2018 (Journal Indexed in SCI)
- XVI. **Experimental and simulation based study of an adaptive filter controlled solid state transfer switch**
Meral M. E. , CUMA M. U. , TEKE A., TÜMAY M., BAYINDIR K. Ç.
ELECTRICAL ENGINEERING, vol.96, no.4, pp.385-395, 2014 (Journal Indexed in SCI)
- XVII. **OPEN unified power quality conditioner with control based on enhanced phase locked loop**
TEKE A., Meral M. E. , CUMA M. U. , TÜMAY M., BAYINDIR K. Ç.
IET GENERATION TRANSMISSION & DISTRIBUTION, vol.7, no.3, pp.254-264, 2013 (Journal Indexed in SCI)
- XVIII. **Implementation of a Non-Linear Adaptive Filter Based Sag Detection Method for Dynamic Voltage Restorers under Unbalanced Fault Conditions**
CUMA M. U. , TEKE A., Meral M. E. , BAYINDIR K. Ç. , TÜMAY M.
JOURNAL OF POWER ELECTRONICS, vol.13, no.2, pp.304-312, 2013 (Journal Indexed in SCI)
- XIX. **A practical disturbance generator to test performances of various power quality mitigation devices**
TEKE A., Meral M. E. , TÜMAY M., CUMA M. U.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.21, no.1, pp.38-54, 2013 (Journal Indexed in SCI)
- XX. **Computer simulation and experimental implementation of a PIC-controlled hybrid multilevel inverter for undergraduate laboratories**
Saribulut L., TEKE A., Meral M. E. , TÜMAY M.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.20, no.3, pp.445-453, 2012 (Journal Indexed in SCI)
- XXI. **Improved phase-locked loop for robust and fast tracking of three phases under unbalanced electric grid conditions**

- Meral M. E.
IET GENERATION TRANSMISSION & DISTRIBUTION, vol.6, no.2, pp.152-160, 2012 (Journal Indexed in SCI)
- XXII. **Using active power factor correction (PFC) boost rectifiers for an improved topology of static series compensators with no energy storage**
Meral M. E.
IET POWER ELECTRONICS, vol.5, no.8, pp.1438-1445, 2012 (Journal Indexed in SCI)
- XXIII. **Implementation of fuzzy logic controller using FORTRAN language in PSCAD/EMTDC**
TEKE A., Meral M. E. , Saribulut L., TÜMAY M.
INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, vol.48, no.4, pp.372-390, 2011 (Journal Indexed in SCI)
- XXIV. **A review of the factors affecting operation and efficiency of photovoltaic based electricity generation systems**
Meral M. E. , DINCER F.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.15, no.5, pp.2176-2184, 2011 (Journal Indexed in SCI)
- XXV. **Power quality improvement with an extended custom power park**
MERAL M. E. , TEKE A., BAYINDIR K. Ç. , TÜMAY M.
ELECTRIC POWER SYSTEMS RESEARCH, vol.79, no.11, pp.1553-1560, 2009 (Journal Indexed in SCI)
- XXVI. **Sequence reference frame-based new sag/swell detection method for static transfer switches**
TÜMAY M., MERAL M. E. , BAYINDIR K. Ç.
IET POWER ELECTRONICS, vol.2, no.4, pp.431-442, 2009 (Journal Indexed in SCI)
- XXVII. **Extraction of voltage harmonics using multi-layer perceptron neural network**
TÜMAY M., MERAL M. E. , BAYINDIR K. Ç.
NEURAL COMPUTING & APPLICATIONS, vol.17, pp.585-593, 2008 (Journal Indexed in SCI)
- XXVIII. **State-space modeling and analysis of fault arcs**
MAMIS M., Meral M. E.
ELECTRIC POWER SYSTEMS RESEARCH, vol.76, pp.46-51, 2005 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Power Management Strategy of Grid Connected Solar Power Generation**
Çelik D., Meral M. E.
International Journal on Technical and Physical Problems of Engineering, vol.10, pp.14-18, 2018 (Refereed Journals of Other Institutions)
- II. **DSOGI-PLL BASED POWER CONTROL METHOD TO MITIGATE CONTROL ERRORS UNDER DISTURBANCES OF GRID CONNECTED HYBRID RENEWABLE POWER SYSTEMS**
Meral M. E. , Çelik D.
ADVANCES IN ELECTRICAL AND ELECTRONIC ENGINEERING, vol.16, no.1, pp.81-91, 2018 (Journal Indexed in ESCI)
- III. **Modelling, Design and Control of a Single Phase Solid Oxide Fuel Cell based Power System**
Çelik D., Meral M. E.
İĞDIR ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.8, no.2, pp.81-88, 2018 (National Refreed University Journal)
- IV. **Şebekeye Bağlı SOGI-PLL Tabanlı Tek Fazlı Eviricinin PR ve HCC ile Güç Kontrolü**
Çelik D., Meral M. E.
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.20, pp.10-21, 2015 (National Refreed University Journal)
- V. **Performance comparison of PWM methods for 27-level hybrid multilevel inverters**
Saribulut L., Meral M. E. , TEKE A., TÜMAY M.
Gazi University Journal of Science, vol.25, no.3, pp.689-695, 2012 (Refereed Journals of Other Institutions)
- VI. **Active power filter: Review of converter topologies and control strategies**

TEKE A., Saribulut L., Emin Meral M. E. , TMAY M.

Gazi University Journal of Science, vol.24, no.2, pp.283-289, 2011 (Refereed Journals of Other Institutions)

VII. Trkiye'nin Gney Sanayi Blgelerindeki Gç Kalitesi zerine Bir Arařtırma

TEKE A., Meral M. E. , TUMAY M., BAYINDIR K. C.

Uludağ niversitesi Mhendislik-Mimarlık Fakltesi Dergisi, vol.14, no.2, pp.23-31, 2009 (National Refreed University Journal)

VIII. Elektrik Tesislerinde Enerji Verimliliđi

Meral M. E. , TEKE A., TUMAY M.

Uludağ niversitesi Mhendislik-Mimarlık Fakltesi Dergisi, vol.14, no.1, pp.31-37, 2009 (National Refreed University Journal)

IX. Dynamic Voltage Restorers: A Literature Review

TEKE A., Meral M. E. , SARIBULUT L., TUMAY M.

Faculty of Electrical Engineering Universiti Teknologi Malaysia, vol.12, no.1, pp.7-13, 2009 (International Refereed University Journal)

X. Evaluation of Available Power Disturbance Generators for Testing of Power Quality Mitigation Devices

TEKE A., Meral M. E. , TUMAY M.

International Journal on Sciences and Techniques of Automatic Control and Computer Engineering, vol.1, pp.624-635, 2008 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **An overvoltage and undervoltage prevention control for superconducting magnetic energy storage based power converter connected to a weak grid**
elik D., Meral M. E.
2nd IEEE International Power and Renewable Energy Conference, IPRECON 2021, Kollam, India, 24 - 26 September 2021
- II. **Restrictions and Driving Forces for Renewable Energy Production Development and Electrical Energy Demand in General and During COVID-19**
elik D., Meral M. E. , Waseem M.
12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, 25 - 27 March 2021
- III. **A Current Limiting Control Strategy of Grid Connected Inverter for Overcurrent Protection**
Meral M. E. , elik D.
International Conference on Engineering Technologies (ICENTE'19), Konya, Turkey, 25 - 27 October 2019, pp.205-209
- IV. **An improved sequence based control strategy for three phase grid interfaced inverter systems**
elik D., Meral M. E.
The 4th International Conference on Power Electronics and their Applications (ICPEA'19), Elazıđ, Turkey, 25 - 27 September 2019, pp.1-6
- V. **Dual Average Filter based PNS Extractor for Inverter Applications in Power Systems**
Meral M. E. , elik D.
ENAR'18, Antalya, Turkey, 14 - 16 November 2018, vol.1, no.1, pp.1-10
- VI. **Applications of Artificial Neural Networks in Agriculture and Food Industry**
ner B., Meral R., Meral M. E.
International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.354
- VII. **Dađıtım Őebekelerinde Gerilim kmesinin D-STATCOM Kullanılarak Kompanze Edilmesi**
akmak F., elik D., Meral M. E.
IMESET' 17, Bitlis, Turkey, 27 - 29 October 2017, vol.1, no.1, pp.302-307
- VIII. **Generation of Fast and Accurate Positive-Negative Sequences for Control of Three Phase Inverter**

- Meral M. E. , Çelik D.
2nd International Iğdır Symposium, Iğdır, Turkey, 9 - 12 October 2017, vol.1, no.1, pp.1
- IX. **Modeling and Design of a Single Phase SOFC System's Control**
Çelik D., Meral M. E.
2nd International Iğdır Symposium, Iğdır, Turkey, 9 - 11 October 2017, vol.1, no.1, pp.1
- X. **Power Control and Management of Solar Power Generation**
Çelik D., Meral M. E.
13th International Conference on Technical and Physical Problems of Electrical Engineering, Van, Turkey, 21 - 23 September 2017, vol.1, no.1, pp.269-272
- XI. **The Effect of Disturbances on Grid Tied Power Converters and DSOGI Based Power Controller Solution**
Çelik D., Meral M. E.
5th International Conference on Advanced Technology & Sciences (ICAT'17), İstanbul, Turkey, 9 - 12 May 2017, vol.1, no.1, pp.486-491
- XII. **Comparison of two different Power Controllers for Grid Tied Distributed Generation Systems**
Çelik D., Meral M. E.
International Conference on Advanced Technology & Sciences 3th International Conference (ICAT'16), Konya, Turkey, 1 - 03 September 2016, vol.1, no.1, pp.781-786
- XIII. **Grid Tied Fuel Cell System Using Single Phase PLL Based SOGI with PI and PR Current Controllers**
Meral M. E. , Çelik D.
The 5th International Congress on Engineering and Information (ICEAI 2016), Osaka, Japan, 10 May - 12 June 2016, pp.513-524
- XIV. **A novel switching signals generation method for hybrid multilevel inverters**
MERAL M. E. , Saribulut L., TEKE A., TUMAY M.
6th International Conference on Electrical and Electronics Engineering, ELECO 2009, Bursa, Turkey, 5 - 08 November 2009
- XV. **İnternet Tabanlı Elektrik ve Güç Kalitesi İzleme Sistemi**
Meral M. E. , TEKE A., BAYINDIR K. C. , TUMAY M., Tan A., Şenses O.
3. Enerji Verimliliği ve Kalitesi Sempozyumu, Kocaeli, Turkey, 1 - 04 April 2009, pp.1-5
- XVI. **Güç Kalitesi Bozucusu: Teorisi ve Simülasyonu**
SARIBULUT L., Yüzbaşıoğlu S., Meral M. E. , TEKE A., TUMAY M.
Eleco'08, Elektrik - Elektronik Ve Bilgisayar Mühendisliği Sempozyumu, Bursa, Turkey, 1 - 05 November 2008, pp.351-357
- XVII. **Overview of an Extended Custom Power Park**
MERAL M. E. , TEKE A., TUMAY M.
2nd International Power and Energy Conference (PECon 2008), Johor-Bahru, Malaysia, 1 - 03 December 2008, pp.1364-1368
- XVIII. **Power Quality Survey on South Industrial Districts of Turkey**
BAYINDIR K. C. , TEKE A., Yiğit İ., Meral M. E. , TUMAY M., Yalçın B.
ICPS'07, International Conference on Power Systems, Bangalore, India, 12 - 14 December 2007, pp.1
- XIX. **Positive Sequence SRF based Sag/Swell Detection Method for Static Transfer Switch**
BAYINDIR K. C. , Meral M. E. , TUMAY M.
ICEAI 2016, International Conference on Power Systems,, Bangalore, India, 12 December 2007, pp.1
- XX. **Parafudurun Geçici Rejim Altındaki Davranışının İncelenmesi**
Meral M. E. , MAMIS M.
Elektrik_Elektornik-Bilgisayar Mühendisliği 10. Ulusal Kongresi, İstanbul, Turkey, 18 - 21 September 2003, vol.1, no.1, pp.52-55

Supported Projects

Meral M. E. , Çelik D., Project Supported by Higher Education Institutions, Şebekeye Bağlı Üç Fazlı Eviricinin Döngüsel İşlemci Emülatörü Tabanlı Gerçek Zamanlı Kontrolü, 2019 - 2021

Meral M. E. , Project Supported by Higher Education Institutions, Güç Sistemlerine Bağlı Eviricilerde Aşırı Akım Koruması ve Elektik Alan Ölçümü, 2019 - 2020

Meral M. E. , Project Supported by Higher Education Institutions, Güç Sistemi İnverter Uygulamaları için Çift Ortalama Filtre Tabanlı PNS Üretici, 2018 - 2019

Meral M. E. , Çelik D., Project Supported by Higher Education Institutions, Yenilenebilir Enerji Kaynaklı Eviricilerin GüçAkım Kontrolünde Kullanılan Yöntemlerin İncelenmesi ve Geliştirilmesi, 2017 - 2019

Meral M. E. , Project Supported by Higher Education Institutions, Sayısal Kontrolcü Cihaz Altyapısının Geliştirilmesi, 2017 - 2018

Genç N., Üzmuş H., Atan Ö., Meral M. E. , Saraçoğlu R., Almalı M. N. , Project Supported by Higher Education Institutions, 13. Uluslararası Elektrik Elektronik Mühendisliğinin Teknik ve Fiziksel Problemleri Konferansı, ICTPE-2017 (The 13th International Conference on Technical and Physical Problems of Electrical Engineering ICTPE-2017), 2017 - 2017

Meral M. E. , Project Supported by Higher Education Institutions, Görsel-İşitsel Cihazlar Kullanılarak Lisansüstü Ders Verimliliğinin Arttırılması, 2016 - 2017

Meral M. E. , Project Supported by Higher Education Institutions, Siirt Madenköy Bakır Konsantrasyon Tesisi Otomasyon Sisteminin İncelenmesi ve Optimizasyon Analizi, 2012 - 2014

Tümay M., Bayındır K. Ç. , Meral M. E. , Teke A., Cuma M. U. , TUBITAK Project, Özel Güç Parkının Modellenmesi ve Uygulanması, 2007 - 2010

Scientific Refereeing

Renewable and Sustainable Energy Reviews, SCI Journal, December 2018

IEEE Power Engineering Letters, Other Indexed Journal, December 2018

Project Supported by Higher Education Institutions, April 2018

Renewable and Sustainable Energy Reviews, SCI Journal, February 2018

TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, December 2017

TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES , SCI Journal, September 2017

IET Generation, Transmission and Distribution, SCI Journal, August 2017

IEEE Transactions on Energy Conversion, SCI Journal, July 2017

IET Generation, Transmission and Distribution, SCI Journal, April 2017

International Transactions on Electrical Energy Systems, SCI Journal, April 2017

ELECTRICAL ENGINEERING,, SCI Journal, July 2016

IET RENEWABLE POWER GENERATION, SCI Journal, April 2016

The Journal of Engineering, Other Indexed Journal, February 2016

TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, February 2016

TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, February 2016

Turkish Journal of Electrical Engineering & Computer Sciences, SCI Journal, October 2015

Electrical Engineering, SCI Journal, April 2015

IET Generation, Transmission & Distribution, SCI Journal, January 2015

Edit Congress and Symposium Activities

TOK 2021: Otomatik Kontrol Ulusal Toplantısı, Session Moderator, Van, Turkey, 2021

TOK 2021: Otomatik Kontrol Ulusal Toplantısı, Working Group, Van, Turkey, 2021

ICENTE' 19, Session Moderator, Konya, Turkey, 2019

Citations

Total Citations (WOS):463

h-index (WOS):12

Awards

Meral M. E. , E.E.M. Alanında Dünyanın en etkili bilim insanları listesinde yer alınmasından ötürü plaket takdimi, Van Yyu Rektörlüğü, December 2020

Meral M. E. , Mühendislik Fakültesi İkincisi Plaket ve Başarı Belgesi, İnönü Üniversitesi Rektörlüğü, June 2001