

Asst. Prof. YELDA KARATEPE MUMCU

Personal Information

Office Phone: +90 216 336 5770 Extension: 1502

Email: ykaratepe@marmara.edu.tr

Web: <https://avesis.marmara.edu.tr/ykaratepe>

Address: GÖZTEPE MH FAHRETTİN KERİM GÖKAY CD MARMARA ÜNİVERSİTESİ TEKNİK BİLİMLER MESLEK YÜKSEKOKULU A BLOK GÖZTEPE KADIKÖY İSTANBUL



Education Information

Doctorate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Electrical Education, Turkey 2001 - 2006

Postgraduate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Electrical Education, Turkey 1998 - 2001

Undergraduate, Marmara University, Faculty Of Technical Education, Electric Education, Turkey 1994 - 1998

Biography

Yelda Karatepe Mumcu, lisans derecesini 1998 yılında Marmara Üniversitesi Elektrik Öğretmenliği bölümünde tamamladı. 1998 yılında aynı üniversitede Araştırma Görevlisi olarak göreve başladı. Yüksek Lisans ve Doktora programını Marmara Üniversitesi Fen Bilimleri Enstitüsü'nde tamamladı. 2011 yılında Dr. Öğr. Üyesi olarak Marmara Üniversitesi Teknik Bilimler Meslek Yüksekokulu Elektrik ve Enerji Bölümünde göreve başladı. Halen aynı bölümde göreve devam etmektedir.

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Farklı kömür yakıtları ile elektrik enerjisi üretimi ve yakıt performansının yapay zeka yöntemi kullanılarak saptanması, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (YI) (Tezli), 2006

Postgraduate, Enerji iletim hatlarının güç-gerilim (P-V) eğrilerinin incelenmesi, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (YI) (Tezli), 2001

Research Areas

Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Marmara University, Vocational School Of Technical Sciences, Electrical And Energy, 2011 - Continues
Research Assistant, Marmara University, Faculty Of Technical Education, Electric Education, 2006 - 2011
Research Assistant, Marmara University, Faculty Of Engineering, Chemical Engineering, 2003 - 2006
Research Assistant, Marmara University, Faculty Of Technical Education, Electric Education, 1998 - 2003

Academic and Administrative Experience

University Executive Board Member, Marmara University, Vocational School Of Technical Sciences, Electrical And Energy, 2018 - 2021
Head of Department, Marmara University, Vocational School Of Technical Sciences, Electrical And Energy, 2018 - 2021

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

- I. **Usage level of educational technologies of students at electronic computer department in technical high school**
ERSOY S., KARATEPE MUMCU Y.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.30, no.1, pp.137-142, 2012 (Journal Indexed in SCI)
- II. **The levels of awareness about the renewable energy sources of university students in Turkey**
KARATEPE MUMCU Y., VARBAK NEŞE S., Kecebas A., Yumurtaci M.
RENEWABLE ENERGY, vol.44, pp.174-179, 2012 (Journal Indexed in SCI)
- III. **The technological tools use in education: Turkish electric teacher's candidates' ideas**
KARATEPE MUMCU Y., VARBAK NEŞE S., Yumurtaci M.
TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT-TTEM, vol.7, no.1, pp.245-248, 2012 (Journal Indexed in SCI)
- IV. **Spectrum Analysis of GMA Welter in Various Working Modes**
GÖKMEN G., KARATEPE MUMCU Y., AKINCI T. Ç. , KURTULMUŞ M.
ACTA POLYTECHNICA HUNGARICA, vol.9, no.4, pp.5-16, 2012 (Journal Indexed in SCI)
- V. **Measurements of noise at crossroads and on transportations, its effects and possible measures to take**
ERSOY S., Karatepe Y.
JOURNAL OF VIBROENGINEERING, vol.13, no.1, pp.109-119, 2011 (Journal Indexed in SCI)
- VI. **Measurements of noise at crossroads and on transportations its effects and possible measures to take**
ERSOY S., KARATEPE MUMCU Y.
Journal Of Vibroengineering, vol.13, pp.109-119, 2011 (Journal Indexed in SCI Expanded)
- VII. **Determination of views about usage level of education technologies of teachers at electronic and computer department of technical high school**
KARATEPE MUMCU Y., ERSOY S., VARBAK NEŞE S.
Technics Technologies Education Management-Ttem, 2011 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **RFID Teknolojisi ile Otopark Sistemleri**
KARATEPE MUMCU Y., Gürkan T., Ak B., ŞAHİN F., BAKIR E.
Electricity Turkey Magazine, vol.11, no.114, pp.86-96, 2021 (Other Refereed National Journals)
- II. **A Review of the Generation of Electrical Energy with Renewable Energy Sourced Piezoelectric**

Material

KARATEPE MUMCU Y., Dağlar N. D. , MALKOÇ F.

International Journal of Innovative Research and Reviews, vol.5, no.2, pp.59-67, 2021 (Refereed Journals of Other Institutions)

- III. **Estimation of Screen Density According to Different Screening Methods With Artificial Neural Network Method in Flexo Printing System**
KURT M. B. , KARATEPE MUMCU Y., ÖZDEMİR L.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, vol.21, no.3, pp.575-580, 2018 (Journal Indexed in ESCI)
- IV. **Füzyon (Fusion) Enerjisinin İncelenmesi ve Dünyadaki ve Türkiye'xxdeki Yeri**
Investigation of Fusion Energy and Place in The World and in Turkey
Öztürk S., KARATEPE MUMCU Y.
Electricity Turkey Magazine, pp.116-120, 2018 (Other Refereed National Journals)
- V. **HVDC (Yüksek Gerilim Doğru Akım) Enerji İletim Sistemlerinin İncelenmesi**
YİĞİT M., KARATEPE MUMCU Y.
Electricity Turkey Dergisi, vol.8, pp.78-82, 2017 (Other Refereed National Journals)
- VI. **Elektrik Enerjisinde Maliyet İncelenmesi**
Kızılkaya R., Kartın K., Bozkurt Y., KARATEPE MUMCU Y.
3E Electrotech Dergisi, vol.276, pp.20-24, 2017 (Other Refereed National Journals)
- VII. **HVDC Enerji İletim Sistemlerinin İncelenmesi**
CİHAN E., YILDIZ F., ÖZTÜRK S., BASDİL M., BEKCAN H., KARATEPE MUMCU Y.
3E Electrotech, vol.275, pp.28-34, 2017 (Other Refereed National Journals)
- VIII. **AKILLI ŞEBEKELER VE TÜRKİYE'DEKİ POTANSİYELİ**
KÖROĞLU E., AKGÜN F., YILDIRIM E., ERDEM Y., ÇAKMAK Ö., KARATEPE MUMCU Y.
ELECTRICITY TURKEY DERGİSİ, 2017 (Other Refereed National Journals)
- IX. **TÜRKİYE'NİN YENİLENEBİLİR ENERJİ POTANSİYELİNİN İNCELENMESİ**
VARIŞ H., MEMİŞ M., GÖKALP M., KARATEPE MUMCU Y.
3E ELECTROTECH, vol.275, pp.70-74, 2017 (Other Refereed National Journals)
- X. **Türkiye Elektrik Üretim ve Dağıtım Sistemleri ve Siber Güvenlik**
KARATEPE MUMCU Y.
Electricity, pp.124-125, 2017 (Other Refereed National Journals)
- XI. **Neural Network Solution to Low Order Odd Current Harmonics in Short Chorded Induction Motors**
KARATEPE MUMCU Y., NOĞAY H. S. , BİRBİR Y.
INTERNATIONAL JOURNAL of SYSTEMS APPLICATIONS, ENGINEERING & DEVELOPMENT, pp.21, 2008 (Refereed Journals of Other Institutions)
- XII. **Hall Effect Sensor and Artificial Neural Networks Application in Current Transformer**
KARATEPE MUMCU Y., GÖKMEN G., EKREN N.
INTERNATIONAL JOURNAL of CIRCUITS, SYSTEMS and SIGNAL PROCESSING, pp.42, 2008 (Refereed Journals of Other Institutions)
- XIII. **Nanotechnology in Education and General Framework of Nanomanufacturing**
Karatepe Mumcu Y., Özel S.
INTERNATIONAL JOURNAL of EDUCATION AND INFORMATION TECHNOLOGIES, vol.2, no.2, pp.113-120, 2008 (Journal Indexed in ESCI)
- XIV. **Application of Neural Network to the Cogeneration System by Using Coal**
Karatepe Mumcu Y., Arca E., Güney K. R. İ.
International Journal of Energy, vol.11, no.1, pp.105, 2007 (Refereed Journals of Other Institutions)
- XV. **İşık Kirliliği**
KARATEPE MUMCU Y., EKREN N.
Aktif Bankacılık ve Finans Dergisi, vol.4, pp.78-83, 2002 (National Non-Refereed Journal)

Books & Book Chapters

I. POWER-VOLTAGE (P-V) CURVES OF ENERGY TRANSMISSION LINES

KARATEPE MUMCU Y., GÜNEY K. R. İ.

in: Research & Reviews in Engineering - II, Prof. Dr. Banu Nergis, Assoc. Prof. Dr. Selahattin BARDAK, Assoc. Prof. Dr. Mahmut KAYAR, Dr. Arif Furkan MENDİ, Editor, Gece Kitaplığı, İstanbul, pp.51-72, 2021

Refereed Congress / Symposium Publications in Proceedings

I. Estimation of Effect of Fabric Width and Assortment Distribution on Fabric Usage Efficiency by Neural Network Method

Kayar M., Karatepe Mumcu Y.

ICENS - International Conference on Engineering and Natural Sciences, Skopje, Macedonia, 15 - 19 May 2015, pp.264

II. A Different Approach for the Prediction of Fabric Spreading Time in Cutting Department of Apparel Companies

Karatepe Mumcu Y., Kayar M.

ICENS - International Conference on Engineering and Natural Sciences, Skopje, Macedonia, 15 - 19 May 2015, pp.326

III. Tensile Properties Estimation of Biaxial Glass Fibre/ Waste Paper Reinforced Polyester Composites by using Ann (Artificial Neural Network) Method

Yenidoğan S., Sesli Y., Karatepe Mumcu Y., Koçak E. D. , Akalın M.

International Conference on Value Addition & Innovation In Textiles , Faisalabad, Pakistan, 14 - 15 March 2011, pp.14-15

IV. The Microgrid Systems An overview in Turkey and the World

Karatepe Mumcu Y., Varbak Neşe S.

5th International Ege Energy Symposium and Exhibition, İzmir, Turkey, 27 - 30 June 2010, pp.148

V. Using Neural Network Method to Solve Marker Making Calculation of Fabric Lays Quantities Efficiency for Optimum Result in the Apparel Industry

Kayar M., Karatepe Mumcu Y.

the 8th WSEAS International Conference on SIMULATION, MODELLING and OPTIMIZATION (SMO 'xx08)

Santander, Cantabria, Spain, September 23-25, 2008, Santander, Spain, 23 - 25 September 2008, pp.219-223

VI. Using Neural Network Method to Solve Marker Making "Calculation of Fabric Lays Quantities" Efficiency for Optimum Result in the Apparel Industry

Kayar M., Ozel Y.

8th WSEAS International Conference on Simulation, Modelling and Optimization, Santander, Spain, 23 - 25 September 2008, pp.219-220

VII. An Application of Neural Network Solution in the Apparel Industry for Cutting Time Forecasting

Ozel Y., Kayar M.

8th WSEAS International Conference on Simulation, Modelling and Optimization, Santander, Spain, 23 - 25 September 2008, pp.214-215

VIII. Neuro Network Solution to the Design of a Hall Effect Current Transformer

KARATEPE MUMCU Y., GÖKMEN G., EKREN N.

12th WSEAS International Conference on CIRCUITS Heraklion, Greece, July 22-24, 2008, 22 - 24 July 2008, pp.184

IX. Estimation of low order odd current harmonics in short chorded induction motors using Artificial Neural Network

BİRBİR Y., Nogay H. S. , Ozel Y.

9th WSEAS International Conference on Neural Networks (NN 08), Sofija, Bulgaria, 2 - 04 May 2008, pp.194-197

X. Neural Network Solution to the Cogeneration System by Using Coal

Ozel Y., Guney I., ARCA E.

12th WSEAS International Conference on Circuits, Heraklion, Greece, 22 - 25 July 2008, pp.279-280

XI. Nanotechnology in Education: Nanoeducation

Ozel S., Ozel Y.

5th IASME/WSEAS International Conference on Engineering Education, Heraklion, Greece, 22 - 24 July 2008, pp.372-373

XII. Yakıt Pili Teknolojisi Ekonomisi ve Uygulama Alanları

GÜNEY K. R. İ. , ÖZEL S., KARATEPE MUMCU Y.

3. Uluslararası İleri Teknolojiler Sempozyumu, Ankara, Turkey, 18 - 20 August 2003, pp.252-265

XIII. Yakıt Olarak Hidrojen ve Türkiyedeki Yeri

GÜNEY K. R. İ. , ÖZEL S., KARATEPE MUMCU Y.

3. Uluslararası İleri Teknolojiler Sempozyumu, Ankara, Turkey, 18 - 20 August 2003, pp.49-57

Citations

Total Citations (WOS):64

h-index (WOS):3

Awards

Ersoy S., Karatepe Mumcu Y., Yayın Teşvik Ödülü, Tübitak Ulakbim, December 2012