

Asst. Prof. Celal Fadıl KUMRU

Personal Information

Email: celalkumru@sdu.edu.tr

Other Email: cfkumru@gmail.com

Web: <https://avesis.sdu.edu.tr/celalkumru>

Address: Süleyman Demirel Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Batı Yerleşkesi, 32260 / ISPARTA

Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektrik Mühendisliği, Turkey
2009 - 2016

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektrik Mühendisliği, Turkey
2007 - 2009

Undergraduate, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, Turkey
2003 - 2007

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Yüksek Gerilim Kablolarında Dielektrik Kayıp Parametrelerinin Farklı İşletme Koşullarında Deneysel ve Yapay Sinir Ağları ile İncelenmesi, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektrik Mühendisliği, 2016

Postgraduate, Dağıtım sistemlerinin enerji kalitesi bakımından incelenmesi, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektrik Mühendisliği, 2009

Research Areas

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

Academic Titles / Tasks

Assistant Professor, Suleyman Demirel University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2020
- Continues

Research Assistant, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2010 - 2020

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

- I. **Experimental investigation on creep characteristic of the spacer between winding turns of power transformers**
ARABUL A. Y. , KUMRU C. F. , KESKİN ARABUL F., ŞENOL İ.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.43, no.5, pp.1019-1027, 2021 (Journal Indexed in SCI)
- II. **Determination of transformer board creep parameters under high-mechanical and thermal stresses**
ARABUL A. Y. , KUMRU C. F. , KESKİN ARABUL F.
IET SCIENCE MEASUREMENT & TECHNOLOGY, vol.15, no.1, pp.94-100, 2021 (Journal Indexed in SCI)
- III. **Analyses of the insulating characteristics of mineral oil at operating conditions**
Taslak E., ARIKAN O., Kumru C. F. , Kalenderli Ö.
ELECTRICAL ENGINEERING, vol.100, no.1, pp.321-331, 2018 (Journal Indexed in SCI)
- IV. **Providing energy management of a fuel cell-battery-wind turbine-solar panel hybrid off grid smart home system**
KESKİN ARABUL F., ARABUL A. Y. , Kumru C. F. , BOYNUEĞRİ A. R.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.43, pp.26906-26913, 2017 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Investigation of Line Displacement in terms of Electrical Field Distribution and Safe Right of Way Distance in Energy Transmission Systems**
KUMRU C. F. , ARIKAN O.
Pamukkale University Journal of Engineering Sciences, vol.26, no.2, pp.279-285, 2020 (Journal Indexed in ESCI)
- II. **Effects of Power Quality Terms on Passive Power Filters**
ARIKAN O., KEKEZOĞLU B., KUMRU C. F.
European Journal of Engineering and Technology, vol.4, no.6, pp.25-38, 2016 (Refereed Journals of Other Institutions)
- III. **Effects of Power Quality Terms on Passive Power Filters**
Arikan O., Kekezoğlu B., Kumru C. F.
European Journal of Engineering and Technology, vol.4, no.6, pp.25-38, 2016 (Refereed Journals of Other Institutions)
- IV. **An Investigation on Vegetable Oils as Potential Insulating Liquid**
KOCATEPE C., TASLAK E., KUMRU C. F. , ARIKAN O.
International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering, vol.9, no.8, pp.627-630, 2015 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Electrode Design to Simulate Electrical Stress on Spacer Used In Creep Test Set-Up**
ARABUL A. Y. , KUMRU C. F. , KESKİN F., ŞENOL İ.
Euroasia 5th. International Congress on Applied Sciences, Adana, Turkey, 15 - 17 November 2019, pp.712-718
- II. **The Effects of Overvoltage Aging on 20 kV XLPE Power Cable**
Uydur C. C. , ARIKAN O., Kucukaydin B., DURSUN B., KUMRU C. F.
11th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2019, pp.353-357
- III. **An Experimental Test Set-Up Design for Acquiring Creep Curve of the Spacer Between the Winding Turns of Power Transformers**
ARABUL A. Y. , KESKİN F., KUMRU C. F. , ŞENOL İ.
6th International Conference on Control Engineering Information Technology (CEIT 2018), İstanbul, Turkey, 25 - 27 October 2018, vol.608

- IV. **Providing Energy Management of a Fuel Cell-Battery-Wind Turbine-Solar Panel Hybrid Grid Independent Smart Home System**
KESKİN F., ARABUL A. Y. , KUMRU C. F. , BOYNUEĞRİ A. R.
International Green Energy Conference Euro-Mediterranean Hydrogen Technologies Conference, Tunisia, 9 - 12 May 2016
- V. **Electrical Analysis of Corn Oil as an Alternative to Mineral Oil in Power Transformers**
TASLAK E., KOCATEPE C., ARIKAN O., KUMRU C. F.
International Conference on Power and Energy Systems Engineering, Paris, France, 27 - 28 August 2015
- VI. **An Investigation on Electric Field Distribution Around 380 kV Transmission Line for Various Pylon Models**
KUMRU C. F. , KOCATEPE C., ARIKAN O.
International Conference on Power and Energy Systems Engineering, Paris, France, 27 - 28 August 2015
- VII. **Analysis of Effects of Electric Field Strength Occurred By Energy Transmission Lines On Human Health**
KUMRU C. F. , ARIKAN O., KOCATEPE C.
International Symposium on Sustainable Development, 15 - 18 May 2014
- VIII. **Analysis of Magnetic Field Effects of Underground Power Cables on Human Health**
CELAL K., KUMRU C. F. , TASLAK E.
International Symposium on Sustainable Development, Sarajevo, Bosnia And Herzegovina, 15 - 18 May 2014
- IX. **An Experimental Study For Comparing The Effect Of The Magnetic Field On Human Health Around Transformers In Sinusoidal And Non-Sinusoidal Current Conditions**
ARABUL A. Y. , ŞENOL İ., KUMRU C. F. , BOYNUEĞRİ A. R. , KESKİN F.
International Symposium on Sustainable Development, Saraybosna, Bosnia And Herzegovina, 15 - 18 May 2014
- X. **Breakdown Voltage Analysis of Insulating Oils Under Different Conditions**
KOCATEPE C., ARIKAN O., TASLAK E., KUMRU C. F.
3rd International Conference on Electric Power and Energy Conversion Systems, 2 - 04 October 2013, pp.1-4
- XI. **Breakdown Strength Analysis of the Transformer Insulation Oil Due to Different Standards**
AKÇA H., KOCATEPE C., ARIKAN O., KUMRU C. F. , AYAZ R.
18th International Symposium on High Voltage Engineering, 25 - 30 August 2013, pp.1343-1347
- XII. **Investigation of Effect of Temperature Variation In A High Voltage Cable On Electrical Insulation**
KUMRU C. F. , ARIKAN O., KOCATEPE C., KALENDERLİ Ö.
18th International Symposium on High Voltage Engineering, 25 - 30 August 2013, pp.1104-1109
- XIII. **The Influence of Voltage and Frequency Variations on Insulation Quality of a High Voltage Cable**
KOCATEPE C., KUMRU C. F. , AYAZ R., ARIKAN O., AKÇA H.
IEEE EUROCON, 1 - 04 July 2013, pp.964-968
- XIV. **Yüksek Gerilim Tesislerinde Kullanılan Yalıtkan Yağların Delinme Dayanımı Analizi**
KOCATEPE C., ARIKAN O., TASLAK E., KUMRU C. F.
5. Enerji Verimliliği ve Kalitesi Sempozyumu, Bursa, Turkey, 23 - 24 May 2013, vol.156
- XV. **Evsel Bir Yük Talebinin Karşılansında Yakıt Pili Kullanılmasına Yönelik Bir Benzetim Çalışması**
ARABUL A. Y. , SARUL M. H. , BOYNUEĞRİ A. R. , KUMRU C. F.
Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Bursa, Turkey, 29 November - 01 December 2012
- XVI. **Yüksek Gerilim Kablolarının Farklı Döşeme Koşullarında Isıl Analizi**
KOCATEPE C., ARIKAN O., KUMRU C. F. , AKBULUT A.
Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Bursa, Turkey, 29 November - 01 December 2012, vol.194
- XVII. **Yüksek Gerilim Kablolarındaki İzolasyon Problemlerinin Elektrik Alan Dağılımına Etkisi**
KOCATEPE C., ARIKAN O., KUMRU C. F. , ORHAN O. D.
Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Turkey, 29 November - 01 December 2012, pp.189-193
- XVIII. **Electric Field Measurement and Analysis Around A Line Model At Different Voltage Levels**
KOCATEPE C., ARIKAN O., KUMRU C. F. , ERDUMAN A., UMURKAN N.

International Conference on High Voltage Engineering and Application, 17 - 20 September 2012, pp.42-45

XIX. Measurement of the Dielectric Performance of An Instrument Transformer At Different Voltage and Frequencies

ARIKAN O., KUMRU C. F. , KOCATEPE C.

International Conference on High Voltage Engineering and Application, 17 - 20 September 2012, pp.451-454

XX. Analysis of Eccentric Axial High Voltage Underground Cable

KOCATEPE C., KUMRU C. F.

International Conference on Electrical and Electronics Engineering, 1 - 04 December 2011, pp.340-343

Citations

Total Citations (WOS):41

h-index (WOS):2