

## Asst. Prof. MEHMET MURAT İSPİRLİ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-1853-2020

ScopusID: 57188930890

Yoksis Researcher ID: 257223

### Education Information

Doctorate, İstanbul Technical University, Lisansüstü Eğitim Enstitüsü, Elektrik Mühendisliği (Dr), Turkey 2018 - 2022

Postgraduate, İstanbul University, Institute Of Graduate Studies In Sciences, Elektrik-Elektronik Mühendisliği (YI) (Tezli), Turkey 2015 - 2018

Undergraduate, İstanbul University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2010 - 2015

### Dissertations

Postgraduate, Yeraltı kablo eklerinde yüzeyde iz oluşumu hatasının incelenmesi, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), 2018

### Research Areas

Electrical and Electronics Engineering, Engineering and Technology

### Academic Titles / Tasks

Researcher, Technische Universitaet Ilmenau, Department of Electrical Engineering and Information Technology, Group for Lightning and Surge Protection, 2021 - Continues

Research Assistant, Marmara University, Faculty of Technology, Elektrik Ve Elektronik Mühendisliği Bölümü, 2017 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

#### I. The effect of water on tracking failure of epoxy/MgO samples

Kirkagac K., İSPİRLİ M. M., Ersoy A.

ELECTRICAL ENGINEERING, vol.104, no.6, pp.4137-4147, 2022 (SCI-Expanded)

#### II. The Application of Recurrence Plot in Tracking Characteristics of PU-Based Insulation Material

İSPİRLİ M. M., ERSOY A.

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.47, no.11, pp.13907-13915, 2022 (SCI-Expanded)

- III. **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, vol.7, no.2, pp.279-287, 2022 (SCI-Expanded)
- IV. **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 (SCI-Expanded)
- V. **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 (SCI-Expanded)
- VI. **Investigation of tracking phenomenon in cable joints as 3D with finite element method**  
 İSPİRLİ M. M., Yilmaz A. E., Kalenderli Ö.  
 ELECTRICAL ENGINEERING, vol.100, no.4, pp.2193-2203, 2018 (SCI-Expanded)
- VII. **An investigation on characteristics of tracking failure in epoxy resin with harmonic and fractal dimension analysis**  
 İSPİRLİ M. M., Yilmaz A. E.  
 TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.26, no.1, pp.245-256, 2018 (SCI-Expanded)

### Articles Published in Other Journals

- I. **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 (Peer-Reviewed Journal)
- II. **Recurrence Plot Analysis of Unsaturated Polyester Samples Subjected to Contamination**  
 Yilmaz A. E., İSPİRLİ M. M.  
 ELECTRICA, vol.18, no.1, pp.13-18, 2018 (ESCI)
- III. **PRESSURE ENFORCEMENT EFFECTS ON THE CURRENT DENSITY OF PEM FUEL CELLS**  
 ERSOY YILMAZ A., İSPİRLİ M. M., BAYHAN N.  
 International Journal of Engineering, Technology and Natural Sciences, vol.1, pp.6-11, 2016 (Peer-Reviewed Journal)
- IV. **An Investigation on the Parameters that Affect the Performance of Hydrogen Fuel Cell**  
 ERSOY YILMAZ A., İSPİRLİ M. M.  
 Procedia - Social and Behavioral Sciences, vol.195, pp.2363-2369, 2015 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **The Design and Application of Composite AC & DC and DC & LI High Voltage Test Circuits**  
 İSPİRLİ M. M., KALENDERLİ Ö., ROCK M.  
 13th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 25 - 27 November 2021
- II. **Application and Comparative Analysis of Fuzzy Inference System for Transformer Fault Diagnosis with Dissolved Gases in Oil**  
 İSPİRLİ M. M., Adali H., KALENDERLİ Ö., Çelik M. Z., ORAL B.  
 The 3rd International Conference on High Voltage Engineering and Power System, Bandung, Indonesia, 05 October 2021
- III. **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
- IV. **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
- V. **Enerji Kablosu Seçimi için Mobil Cihaz Yazılımı Geliştirilmesi**  
İSPİRLİ M. M., KALENDERLİ Ö.  
VI. Elektrik Tesisat Ulusal Kongre ve Sergisi, İzmir, Turkey, 16 - 19 October 2019, pp.123-130
- 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 - ΠΕC 2019, Niš, 26 - 28 August 2019
- VII. **An Experimental Study On Ultraviolet Effect On Silicone-rubber Isolators**  
Çelik A., İSPİRLİ M. M., ERSOY YILMAZ A.  
3rd International Conference on Engineering Technology and Applied Sciences, Skopje, Macedonia, 17 - 21 July 2018
- VIII. **An Experimental Study Of Thermal Losses In Power Cables**  
İSPİRLİ M. M., ERSOY YILMAZ A.  
3rd International Conference on Engineering Technology and Applied Sciences, Skopje, Macedonia, 17 - 21 July 2018
- IX. **Poliüretan Yalıtkanların Sızıntı Akımı Karakteristiklerinin Eğimden Arındırılmış Dalgalanma Analizi**  
İSPİRLİ M. M., UZUNOĞLU C. P., ERSOY YILMAZ A., UĞUR M.  
IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı 2018, İzmir, Turkey, 2 - 05 May 2018
- X. **Epoksi reçinede iz oluşumu ve 3 farklı deşarj seviyesi için yineleme haritaları analizi**  
İSPİRLİ M. M., ERSOY YILMAZ A.  
Elektrik - Elektronik ve Biyomedikal Mühendisliği Konferansı, Bursa, Turkey, 1 - 03 December 2016, pp.349-353
- XI. **Pressure Enforcement Effects on the Current Density of PEM Fuel Cells**  
ERSOY YILMAZ A., İSPİRLİ M. M., BAYHAN N.  
Electrotech'16 International Electrical & Electronic Engineering and Technologies, İstanbul, Turkey, 29 - 30 September 2016
- XII. **A 3D simulation of computer aided cautery operation performance**  
İSPİRLİ M. M., ERSOY YILMAZ A.  
2015 Medical Technologies National Conference (TIPTEKNO), Bodrum, Mugla, Turkey, Turkey, 15 - 18 October 2015
- XIII. **İstanbul Üniversitesi Avcılar yerleşkesi için Elektromanyetik kirlilik ölçümleri**  
ERSOY YILMAZ A., İSPİRLİ M. M.  
Emanet'2015 Elektromanyetik Alanlar ve Etkileri, İçel, Turkey, 13 - 15 November 2015
- XIV. **Ortam şartlarının elektromanyetik kirlenmeye etkisinin incelenmesi**  
İSPİRLİ M. M., Adıgüzel E., ERSOY YILMAZ A.  
Emanet'2015 Elektromanyetik Alanlar ve Etkileri, İçel, Turkey, 13 - 15 November 2015
- XV. **A 3D Model for the treeing process on polymeric cables**  
ERSOY YILMAZ A., İSPİRLİ M. M.  
Electrotech'15 International Electrical & Electronic Engineering and Technologies, İstanbul, Turkey, 2 October - 03 December 2015, pp.118-223
- XVI. **An Investigation on The Parameters That Affect The Performance of Hydrogen Fuel Cell**  
ERSOY YILMAZ A., İSPİRLİ M. M.  
İstanbul University World Conference on Technology, Innovation and Entrepreneurship, 28 - 30 May 2015

## **Metrics**

Publication: 27

Citation (WoS): 10

Citation (Scopus): 5

H-Index (WoS): 2

H-Index (Scopus): 1