

## Prof. Dr. Kevork Mardikyan

### Yayınlar

#### 1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI & SSCI & Arts and Humanities)

-**Mardikyan , K.**, "The Breakdown Strength of Air, SF<sub>6</sub> and a Mixture of Air+SF<sub>6</sub> Containing a Small Amount of SF<sub>6</sub>", European Transactions on Electrical Power , ETEP Vol.9 , No.5 ,September/October , 1999.

#### 2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

-**Mardikyan , K.**, "Breakdown strength of compressed sulfur hexafluoride in nonuniform fields", Bulletin of the Technical University of Istanbul, Vol. 36, No. 4, 1983.

-**Mardikyan , K.**, Şeker , S., Ayaz , E.," The Breakdown Strength Estimation of Air and a Mixture of Air+SF<sub>6</sub> Using Artificial Neural Network Approach " ,AMSE Journal, January/February 2000 .

#### 3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (*Proceedings*) basılan bildiriler

-**Mardikyan , K.**, Kalenderli, Ö., Ersen, O., Canarslan, E.; "AC Breakdown Strength of N<sub>2</sub>, SF<sub>6</sub> and a Mixture of N<sub>2</sub>+SF<sub>6</sub> Containing a Small Amount of SF<sub>6</sub>", 1996 IEEE International Symposium on Electrical Insulation, Vol. 2, pp. 763 -765, Montréal, Québec, Canada, 16 - 19 June 1996.

- Önal, E., Kalenderli, Ö., **Mardikyan, K.**, "Breakdown characteristics of CO<sub>2</sub> containing 0.125% of SF<sub>6</sub>", Eleventh International Symposium on High Voltage Engineering, London, UK, 23-27 August 1999.

- Önal, E., Kalenderli, Ö., **Mardikyan , K.**, "Breakdown Characteristics of N<sub>2</sub> Containing 0.125% of SF<sub>6</sub>", Eleventh International Symposium on High Voltage Engineering, London, UK, 23-27 August 1999.

- Önal , E., Kalenderli, Ö., **Mardikyan , K.**, " Breakdown Characteristics of CO<sub>2</sub> and N<sub>2</sub> containing SF<sub>6</sub> " , International Conference on Electric Power Engineering , Power Tech 99 , Budapest Hungary , August 29-September 2,1999.

- Önal , E.,Kalenderli,Ö.,**Mardikyan , K.**," Breakdown Characteristics of CO<sub>2</sub> and N<sub>2</sub> containing SF<sub>6</sub> at Different Gap Spacings " , International Conference on Electric Power Engineering , Power Tech 99 , Budapest , Hungary , August 29-September 2,1999.

-**Mardikyan , K.**, Şeker , S., Kalenderli , Ö.,Ayaz , E.,"Breakdown Strength of Air and Air+SF<sub>6</sub> in Rod-Sphere Gap and Breakdown Voltage Estimation Using Artificial Neural Network " , International Conference on Electrical and Electronics Engineering , ELECO'99 , Bursa ,Turkey .

- Önal , E., Kalenderli , Ö., **Mardikyan , K.**," Breakdown Characteristics of CO<sub>2</sub> and N<sub>2</sub>Containing 0.125 % of SF<sub>6</sub> in Nonuniform Fields" , 13 th International Conference on Gas Discharges and their Applications " September 3-8 ,2000 ,Glasgow , United Kingdom

- Önal , E., Kalenderli , Ö., **Mardikyan , K.**," Breakdown Characteristics of Air Containing 0.125 % of SF<sub>6</sub> at Different Gap Spacings" 13 th International Conference on Gas Discharges and their Applications " September 3-8 ,2000 ,Glasgow , United Kingdom.

-Önal , E., Kalenderli , Ö., **Mardikyan , K.**," Dielectric Strengths of CO<sub>2</sub> and N<sub>2</sub> Containing SF<sub>6</sub> Under Alternating Voltage in Non-Uniform Field" Eighth International Conference on Dielectric Materials , Measurements and Applications,Edinburgh ,United Kingdom , 17-21 September 2000 .

-Önal , E., Şeker,S.,Kalenderli , Ö., **Mardikyan , K.**, "The Breakdown Voltage Estimation of N<sub>2</sub> + SF<sub>6</sub> Mixture Using Neural Network Approach" Eighth International Conference on Dielectric Materials , Measurements and Applications,Edinburgh ,United Kingdom , 17-21 September 2000 .

-Kalenderli,O.,Onal,E.,Merev,A.,**Mardikyan, K.**," Impulse Flashover Voltages in Air at Low Pressure", XIIIth International Symposium on High Voltage Engineering,Netherlands 2003.

-Kara ,A.,Önal,E.,Kalenderli,Ö.,**Mardikyan,K.**,"The Effect of Insulating Barriers on AC Breakdown Voltage in Inhomogeneous Field", Melecon 2006,Benalmadena (Malaga),Spain.

-Kara ,A.,Kalenderli , Ö.,**Mardikyan,K.**" Effect of Dielectric Barriers to the Electric Field of Rod\_Plane Air Gap " COMSOL Conference Prague 2006  
-Kara ,A.,Kalenderli , Ö.,**Mardikyan,K.** "DC Breakdown Voltage Characteristics of Small Air Gaps with Insulating Barriers in Non-uniform Field"ICHVE 2010 Int.Conf.on High Voltage Engin.and Appl. New Orleans ,USA,pp.425-428.

#### 4. Ulusal hakemli dergilerde yayınlanan makaleler

-**Mardikyan , K.**, "Breakdown Mechanisms in Sulphur Hexafluoride", İTÜ Review,Vol: 43, Number: 3-4, 1985.  
-**Mardikyan , K.**, "Insulation Coordination in High Voltage Substations", Kaynak Electrotechnical Review ,Number: 38,pp. 11 - 23, 1986.  
- **Mardikyan , K.**, "SF6 Circuit Breakers ", Kaynak Electrotechnical Review ,Number: 41,pp. 15 23, 1987.  
-**Mardikyan , K.**, "Zinc Oxide Lightning Arresters ", Kaynak Electrotechnical Review, Number: 42,pp. 20 - 28, 1987.

#### 5. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

-**Mardikyan , K.**, Şenol, M. A.,. "Design of Optimum Insulator Strings for 154 and 380 kV transmission lines of Turkish Electricity Authority (TEK) ", Electrical Energy Symposium , İstanbul,October 1984.  
-Kalenderli, Ö., **Mardikyan , K.**, "Overvoltage Protection ", 1st National Congress on Electrical Engineering , Çukurova University ,pp. 227 - 231, Adana, 25 - 27 September 1985.  
-Tüfekçi, T., **Mardikyan , K.**,"Accidents in Electrical Installations and Proposals on Preventive Measures ", Symposium on the Role of Engineering on the Development of Turkey", Yıldız Technical University, İstanbul, 20-24 june 1988.  
- Farsadi, M., **Mardikyan , K.**, Effect of Surface Roughness on Breakdown and Corona Inception Voltages of N2 in uniform and non-uniform fields", 3<sup>rd</sup> National congress on Electrical engineering ,pp. 213 - 216, İstanbul, 1989.  
-**Mardikyan , K.**, Özdem, S. Z., "Biological effects of HV Lines on human body ", ELMEKSEM'93, 3<sup>rd</sup> Symposium on electromechanics,pp. 120 - 123, Bursa, December 1993.  
-**Mardikyan , K.**, "Gas Insulated Substations "Chamber of Electrical Engineers pp. 1-24 İstanbul,1996  
-Kalenderli, Ö., **Mardikyan , K.**, "AC Breakdown Strength of air containing 1% of SF6 in non uniform field", 7<sup>th</sup> National Congress on Electrical Engineering ,pp. 657-659, Ankara, September 1997.  
-Kalenderli, Ö., Yıldırım, H., **Mardikyan , K.**, "Computation of Magnetic Fields Around HV Transmission Lines", BİYOMUT 97, 1997 National Meeting on Biomedical Engineering , Bosphorous University ,pp. 162-165, İstanbul, 1997.  
-Önal, E., Kalenderli, Ö., **Mardikyan , K.**, "Breakdown Characteristics of CO2 containing %0,125 of SF6" 8<sup>th</sup> National Congress on Electrical Engineering , Gaziantep, September 1999.

#### Diğer yayınlar

**Mardikyan , K.**, "Orta Gerilim Şalt Cihazları", Hilal Matbaası., İstanbul, 1994 ( 80 sahife).