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Personal Information

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Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey
1976 - 1982

Dissertations

Doctorate, Modelling and Analysis of a Wind Turbine Driven Self-Excited Induction Generator, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 1982

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 1974 -
Continues

Advising Theses

ERMİŞ M., HYSTERESIS BAND CONTROL OF HYBRID ACTIVE POWER FILTER: AN APPLICATION TO A MEDIUM-FREQUENCY INDUCTION MELTING FURNACE, Doctorate, E.DURNA(Student), 2018

ERMİŞ M., Design and implementation of a three phase grid connected sic solar inverter, Post Graduate, M.CANVER(Student), 2018

ERMİŞ M., Design and implementation of a SiC based three phase grid connected current source inverter for solar applications, Post Graduate, O.BAY(Student), 2017

ERMİŞ M., Development of fast and robust spectral decomposition method for nonlinear industrial loads with current frequency spectrum rich in harmonic and interharmonic content, Doctorate, E.UZ(Student), 2016

ERMİŞ M., Design of an interleaved PWM rectifier for AC locomotives and implementation of its laboratory prototype, Post Graduate, M.UĞUR(Student), 2015

ERMİŞ M., Online application of SHEM to grid-connected inverters with DC link voltage by particle swarm optimization, Post Graduate, U.GÜVENGİR(Student), 2014

ERMİŞ M., Elimination of transformer core saturation in cascaded multilevel converter based T-statcom systems, Doctorate, C.ÖZGÜR(Student), 2014

ERMİŞ M., Design, implementation and engineering aspects of 12-pulse TCR based SVC systems for voltage regulation, Post Graduate, D.PARLAK(Student), 2014

ERMİŞ M., Design and development of a simple power quality monitor for low voltage distribution system, Post Graduate, Ö.YAZLIK(Student), 2014

ERMİŞ M., Modeling and design of iron-core shunt reactors with discretely distributed air-gaps, Doctorate, A.DÖNÜK(Student), 2012

ERMİŞ M., Cascaded multilevel converter based transmission STATCOM: System design methodology and development of a 12kV \pm 12MvAr power-stage, Doctorate, B.GÜLTEKİN(Student), 2012

ERMİŞ M., Adaptive control of DC link current in current source converter based statcom for improving its power losses,

Post Graduate, F.KARADUMAN(Student), 2012

ERMİŞ M., A current source converter based STATCOM for reactive power compensation at low voltage, Post Graduate, N.BİÇER(Student), 2010

ERMİŞ M., Design and implementation of a current source converter based active power filter for medium voltage applications, Doctorate, A.TERCİYANLI(Student), 2010

ERMİŞ M., Flicker source identification at a point of common coupling of the power system, Post Graduate, E.ALTINTAŞ(Student), 2010

ERMİŞ M., Design and implementation of thyristor switched shunt capacitors, Post Graduate, E.UZ(Student), 2010

ERMİŞ M., Calibration of conventional measurement transformers against harmonic components by using field measurements of optical transducers and resistive-capacitive voltage transformers, Post Graduate, C.AZİZ(Student), 2010

ERMİŞ M., A new field-data based EAF (electric arc furnace) model applied to power quality studies, Post Graduate, M.GÖL(Student), 2009

ERMİŞ M., Design and implementation of a voltage source converter based hybrid active power filter, Post Graduate, O.UÇAK(Student), 2009

ERMİŞ M., Comparison of various SVC topologies and control strategies for heavy industry, Post Graduate, E.YALVAÇ(Student), 2009

ERMİŞ M., Investigation of multilevel inverters for D-statcom applications, Post Graduate, M.DENİZ(Student), 2009

ERMİŞ M., Design, implementation and engineering aspects of TCR for industrial SVC systems, Doctorate, H.BİLGE(Student), 2008

ERMİŞ M., Electromagnetic compatibility of electric power quality monitor according to EN 61326 standard, Post Graduate, Ö.YAMAN(Student), 2007

ERMİŞ M., Optimizing transient and filtering performance of a C-type 2nd harmonic power filter by the use of solid-state switches, Post Graduate, C.ÖZGÜR(Student), 2007

ERMİŞ M., Design and digital implementation of thyristor controlled reactor control, Post Graduate, M.GENÇ(Student), 2007

ERMİŞ M., Design and implementation of a voltage source converter based statcom for reactive power compensation and harmonic filtering, Doctorate, A.ÇETİN(Student), 2007

ERMİŞ M., Prediction of hot-spot and top-oil temperatures of power transformers according to IEEE standards C57.110-1998 and C57.91-1995, Post Graduate, H.KARACA(Student), 2007

ERMİŞ M., Design and implementation of a current source converter based statcom for reactive power compensation, Doctorate, H.FARUK(Student), 2007

ERMİŞ M., Fully digital parallel operated switch-mode power supply modules for telecommunications, Doctorate, K.KUTLUAY(Student), 2005

ERMİŞ M., Performance of a dynamic voltage restorer for a practical situation, Post Graduate, G.OĞUZ(Student), 2004

ERMİŞ M., Design of a reactive power compensation and harmonic filtering system by using field data, Post Graduate, B.GÜLTEKİN(Student), 2003

ERMİŞ M., The Analysis of a dynamic voltage restorer based on load side connected shunt converter topology, Post Graduate, Ç.ACAR(Student), 2002

ERMİŞ M., Brushless dc motor position control for a control actuation system, Post Graduate, A.YILMAZKOÇLAR(Student), 2002

ERMİŞ M., Investigation of passive and active shunt power filter combination, Post Graduate, Ö.ŞEVİK(Student), 2002

ERMİŞ M., Modeling and simulation methods in power electronics and design and simulation of a shunt active power filter using MATLAB/SIMULINK, Post Graduate, K.ÇAĞATAY(Student), 2000

ERMİŞ M., Design and simulation of single quadrant DC motor drive based on buck type PWM rectifier at unity power factor, Post Graduate, H.FARUK(Student), 2000

ERMİŞ M., DSP based implementation of a shunt active power filter with instantaneous reactive power theory, Post Graduate, C.TOKGÖZ(Student), 2000

ERMİŞ M., Transient over voltage protection in low voltage power electronic systems: Subject review and case studies, Post Graduate, A.SERKAN(Student), 1999

ERMİŞ M., Design and implementation of a 20 kw 20 kHz unity power factor boost chopper, Post Graduate,

S.VARMA(Student), 1997

ERMİŞ M., Design of reactive power compensator and its filter reactor, Post Graduate, G.ELİŞ(Student), 1997

ERMİŞ M., A thyristorized induction motor softstarter: Analysis and performance optimization by a hybrid model, Post Graduate, C.BARLAK(Student), 1996

ERMİŞ M., Performance optimization of an AC arc furnace system, Post Graduate, D.ALPER(Student), 1996

ERMİŞ M., Design and implementation of a medium voltage thyristor controller reactor, Post Graduate, M.UTALAY(Student), 1996

ERMİŞ M., A High power, four quadrant modified for high power DC machines, Post Graduate, A.KOÇ(Student), 1996

ERMİŞ M., Analysis and implementation of resonant demagnetization forward converter, Post Graduate, B.BİLGİN(Student), 1994

ERMİŞ M., Steady-state and transient performance analyses of a double output induction generator operating at subsynchronous and supersynchronous speeds, Post Graduate, I.ÇADIRCI(Student), 1994

ERMİŞ M., De 24000 diesel electric locomotive: Simulation of the train dynamics and analysis of the rheostatic braking, Post Graduate, N.BÜKÜLMEZ(Student), 1993

ERMİŞ M., A Solar pumping system with maximum power point tracking, Post Graduate, Ü.ORLU(Student), 1993

ERMİŞ M., Thyristor de circuit breaker controlled by a microcomputer, Post Graduate, H.ZENGİNCE(Student), 1993

ERMİŞ M., Implementation of an autonomous photovoltaic based DC supply with motor generator backup, Post Graduate, L.SİNAN(Student), 1993

ERMİŞ M., A New method for the analysis of induction through heating of cylindrical work-pieces, Post Graduate, Ö.TANBOĞA(Student), 1992

ERMİŞ M., A 6-3 KV thyristorized switch for direct-on starting of induction motors, Post Graduate, M.RAHMAN(Student), 1991

ERMİŞ M., Programmable logic controller-based modernization of a plate normalizing furnace, Post Graduate, N.TUNABOYLU(Student), 1990

ERMİŞ M., An Optimum solar lighting system powered by photovoltaics, Post Graduate, M.BAŞLI(Student), 1989

ERMİŞ M., Investigation of battery chargers for telecommunication equipment and design of an automatic gain control unit, Post Graduate, M.ŞEN(Student), 1989

ERMİŞ M., A Microprocessor based adaptive controller for hybrid solar and wind energy conversion systems, Post Graduate, M.BURSLAN(Student), 1989

ERMİŞ M., Software development for maximum power transfer in photovoltaic systems, Post Graduate, C.MEKİK(Student), 1989

ERMİŞ M., Analysis and design of induction heating work coils, Post Graduate, A.EL(Student), 1988

ERMİŞ M., Implementation of a prototype thyristorized reactive power compensator, Post Graduate, M.PIŞKİN(Student), 1988

ERMİŞ M., The Double output induction generator for variable speed applications, Post Graduate, I.ÇADIRCI(Student), 1988

ERMİŞ M., A DC/DC converter system for maximum power point tracking in small photovoltaic systems, Post Graduate, T.MALERİ(Student), 1988

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

- **Full-Scale Physical Simulator of All SiC Traction Motor Drive With Onboard Supercapacitor ESS for Light-Rail Public Transportation**
Yildirim D., Aksit M. H. , Yolacan C., Pul T., Ermis C., Aghdam B. H. , ÇADIRCI I., ERMİŞ M.
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- **All SiC PWM rectifier-based off-board ultrafast charger for heavy electric vehicles**
Yildirim D., Ozturk S., ÇADIRCI I., ERMİŞ M.
IET POWER ELECTRONICS, vol.13, pp.483-494, 2020 (Journal Indexed in SCI)
- **Real-Time Detection of Interharmonics and Harmonics of AC Electric Arc Furnaces on GPU Framework**

Uz-Logoglu E., Salor O., ERMİŞ M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.55, pp.6613-6623, 2019 (Journal Indexed in SCI)

● **Operating principles and practical design aspects of all SiC DC/AC/DC converter for MPPT in grid-connected PV supplies**

ÖZTÜRK S., Popos P., Utalay V., Koc A., ERMİŞ M., ÇADIRCI I.

SOLAR ENERGY, vol.176, pp.380-394, 2018 (Journal Indexed in SCI)

● **Exponential Smoothing of Multiple Reference Frame Components With GPUs for Real-Time Detection of Time-Varying Harmonics and Interharmonics of EAF Currents**

Balouji E., Salor O., ERMİŞ M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.54, pp.6566-6575, 2018 (Journal Indexed in SCI)

● **On-Line Application of SHEM by Particle Swarm Optimization to Grid-Connected, Three-Phase, Two-Level VSCs with Variable DC Link Voltage**

Guvengir U., ÇADIRCI I., ERMİŞ M.

ELECTRONICS, vol.7, 2018 (Journal Indexed in SCI)

● **All SiC Grid-Connected PV Supply with HF Link MPPT Converter: System Design Methodology and Development of a 20 kHz, 25 kVA Prototype**

ÖZTÜRK S., Canver M., ÇADIRCI I., ERMİŞ M.

ELECTRONICS, vol.7, 2018 (Journal Indexed in SCI)

● **Square prism micropillars improve osteogenicity of poly(methyl methacrylate) surfaces**

Hasturk O., ERMİŞ M., Demirci U., Hasirci N., HASIRCI V. N.

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.29, 2018 (Journal Indexed in SCI)

● **Suppression of the Second Harmonic Subgroup Injected by an AC EAF: Design Considerations and Performance Estimation of a Shunt APF**

Durna E., Gercek C. O., Salor O., ERMİŞ M.

ELECTRONICS, vol.7, 2018 (Journal Indexed in SCI)

● **Suppression of Time-Varying Interharmonics Produced by Medium-Frequency Induction Melting Furnaces by a HAPF System**

Durna E., Yilmaz I., ERMİŞ M.

IEEE TRANSACTIONS ON POWER ELECTRONICS, vol.32, pp.1030-1043, 2017 (Journal Indexed in SCI)

● **Correlation Between Multiple Electric Arc Furnace Operations and Unscheduled Power Flows in the Interconnection Lines at the Eastern Cross Border of ENTSO-E**

Altintas E., Salor O., Buyukdagli U., ÇADIRCI I., ERMİŞ M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.52, pp.3508-3517, 2016 (Journal Indexed in SCI)

● **Online Characterization of Interharmonics and Harmonics of AC Electric Arc Furnaces by Multiple Synchronous Reference Frame Analysis**

Uz-Logoglu E., Salor O., ERMİŞ M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.52, pp.2673-2683, 2016 (Journal Indexed in SCI)

● **Design and Implementation of a Hybrid System for the Mitigation of PQ Problems of Medium-Frequency Induction Steel-Melting Furnaces**

Yilmaz I., Durna E., ERMİŞ M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.52, pp.2700-2713, 2016 (Journal Indexed in SCI)

● **Elimination of Coupling Transformer Core Saturation in Cascaded Multilevel Converter-Based T-STATCOM Systems**

Gercek C. O., ERMİŞ M.

IEEE TRANSACTIONS ON POWER ELECTRONICS, vol.29, pp.6796-6809, 2014 (Journal Indexed in SCI)

● **Identification of Harmonic Current Contributions of Iron and Steel Plants Based on Time-Synchronized Field Measurements-Part II: Inside Plants**

Unsar O., Salor O., ÇADIRCI I., ERMİŞ M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.50, pp.4348-4355, 2014 (Journal Indexed in SCI)

● **Identification of Harmonic Current Contributions of Iron and Steel Plants Based on Time-Synchronized Field Measurements-Part I: At PCC**

Unsar O., Salor O., ÇADIRCI I., ERMİŞ M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.50, pp.4336-4347, 2014 (Journal Indexed in SCI)

Enhanced Nationwide Wind-Electric Power Monitoring and Forecast System

Terciyanlı E., Demirci T., Kucuk D., Sarac M., ÇADIRCI I., ERMİŞ M.

IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, vol.10, pp.1171-1184, 2014 (Journal Indexed in SCI)

Multipurpose Platform for Power System Monitoring and Analysis With Sample Grid Applications

Atalik T., ÇADIRCI I., Demirci T., ERMİŞ M., İNAN T., Kalaycioglu A. S. , Salor O.

IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol.63, pp.566-582, 2014 (Journal Indexed in SCI)

Cascaded Multilevel Converter-Based Transmission STATCOM: System Design Methodology and Development of a 12 kV +/- 12 MVar Power Stage

Gultekin B., ERMİŞ M.

IEEE TRANSACTIONS ON POWER ELECTRONICS, vol.28, pp.4930-4950, 2013 (Journal Indexed in SCI)

Assessment of extensive countrywide electrical power quality measurements through a database architecture

Kucuk D., Salor O., Guder M., Demirci T., Inan T., Akkaya Y., Cadirci I., ERMİŞ M.

ELECTRICAL ENGINEERING, vol.95, pp.1-19, 2013 (Journal Indexed in SCI)

Multi-DSP and -FPGA-Based Fully Digital Control System for Cascaded Multilevel Converters Used in FACTS Applications

Atalik T., Deniz M., Koc E., Gercek C. O. , Gultekin B., ERMİŞ M., ÇADIRCI I.

IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, vol.8, pp.511-527, 2012 (Journal Indexed in SCI)

Field-Data-Based Modeling of Medium-Frequency Induction Melting Furnaces for Power Quality Studies

Yilmaz I., Salor O., ERMİŞ M., Cadirci I.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.48, pp.1215-1224, 2012 (Journal Indexed in SCI)

A Current Source Converter-Based Active Power Filter for Mitigation of Harmonics at the Interface of Distribution and Transmission Systems

Terciyanlı A., Avci T., Yilmaz I., Ermis C., Kose K. N. , Acik A., Kalaycioglu A. S. , Akkaya Y., Cadirci I., ERMİŞ M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.48, pp.1374-1386, 2012 (Journal Indexed in SCI)

Medium-Frequency Induction Melting Furnace as a Load on the Power System

Yilmaz I., ERMİŞ M., Cadirci I.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.48, pp.1203-1214, 2012 (Journal Indexed in SCI)

Effects of Distributed Air-Gaps in the Iron-Core of Shunt Reactors on Inductance Components and Losses

Donuk A., Bilgin H. F. , ERMİŞ M.

INTERNATIONAL REVIEW OF ELECTRICAL ENGINEERING-IREE, vol.7, pp.4428-4436, 2012 (Journal Indexed in SCI)

Design and Implementation of a 154-kV +/- 50-Mvar Transmission STATCOM Based on 21-Level Cascaded Multilevel Converter

Gultekin B., Gercek C. O. , Atalik T., Deniz M., Bicer N., ERMİŞ M., Kose K. N. , Ermis C., Koc E., Cadirci I., et al.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.48, pp.1030-1045, 2012 (Journal Indexed in SCI)

Power Quality Solutions for Light Rail Public Transportation Systems Fed by Medium-Voltage Underground Cables

Terciyanlı A., Acik A., Cetin A., ERMİŞ M., ÇADIRCI I., Ermis C., Demirci T., Bilgin H. F.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.48, pp.1017-1029, 2012 (Journal Indexed in SCI)

Design, Implementation, and Operation of a New C-Type 2nd Harmonic Filter for Electric Arc and Ladle Furnaces

Gercek C. O. , ERMİŞ M., Ertas A., Kose K. N. , Unsar O.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.47, pp.1545-1557, 2011 (Journal Indexed in SCI)

Nationwide real-time monitoring system for electrical quantities and power quality of the electricity transmission system

Demirci T., Kalaycioglu A., Kucuk D., Salor O., Guder M., Pakhuylu S., Atalik T., Inan T., Cadirci I., Akkaya Y., et al. IET GENERATION TRANSMISSION & DISTRIBUTION, vol.5, pp.540-550, 2011 (Journal Indexed in SCI)

● **Current source converter based STATCOM: Operating principles, design and field performance**
Bilgin H. F. , ERMİŞ M.

ELECTRIC POWER SYSTEMS RESEARCH, vol.81, pp.478-487, 2011 (Journal Indexed in SCI)

● **A Selective Harmonic Amplification Method for Reduction of kVA Rating of Current Source Converters in Shunt Active Power Filters**

Terciyanlı A., ERMİŞ M., Cadirci I.

IEEE TRANSACTIONS ON POWER DELIVERY, vol.26, pp.65-78, 2011 (Journal Indexed in SCI)

● **Design and Implementation of a Current-Source Converter for Use in Industry Applications of D-STATCOM**

Bilgin H. F. , ERMİŞ M.

IEEE TRANSACTIONS ON POWER ELECTRONICS, vol.25, pp.1943-1957, 2010 (Journal Indexed in SCI)

● **An extensible database architecture for nationwide power quality monitoring**

Kucuk D., Inan T., Salor O., Demirci T., Akkaya Y., Buhan S., Boyrazoglu B., Unsar O., Altintas E., Haliloglu B., et al.

INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.32, pp.559-570, 2010 (Journal Indexed in SCI)

● **A New Field-Data-Based EAF Model for Power Quality Studies**

Gol M., Salor O., ALBOYACI B., Mutluer B., ÇADIRCI I., ERMİŞ M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.46, pp.1230-1242, 2010 (Journal Indexed in SCI)

● **PQONT: A domain ontology for electrical power quality**

Kucuk D., Salor O., Inan T., Cadirci I., ERMİŞ M.

ADVANCED ENGINEERING INFORMATICS, vol.24, pp.84-95, 2010 (Journal Indexed in SCI)

● **Electrical Power Quality of Iron and Steel Industry in Turkey**

Salor O., Gultekin B., Buhan S., Boyrazoglu B., Inan T., Atalik T., Acik A., Terciyanlı A., Unsar O., Altintas E., et al.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.46, pp.60-80, 2010 (Journal Indexed in SCI)

● **VSC-Based D-STATCOM With Selective Harmonic Elimination**

Cetin A., ERMİŞ M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.45, pp.1000-1015, 2009 (Journal Indexed in SCI)

● **Mobile monitoring system to take nationwide PQ measurements on electricity transmission systems**

Salor O., Buhan S., Unsar O., Boyrazoglu B., Altintas E., Atalik T., Haliloglu B., Inan T., Kalaycioglu A., Terciyanlı A., et al.

MEASUREMENT, vol.42, pp.501-515, 2009 (Journal Indexed in SCI)

● **Reactive-power compensation of coal mining excavators by using a new-generation STATCOM**

Bilgin H. F. , Ermis M., Kose K. N. , Cadirci I., Acik A., Demirci T., Terciyanlı A., Kocak C., Yorukoglu M.

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.43, pp.97-110, 2007 (Journal Indexed in SCI)

● **Understanding the modelling and analysis of a shunt active power filter using MATLAB/Simulink**

Bayindir K. C. , Ermis M.

INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, vol.43, pp.185-205, 2006 (Journal Indexed in SCI)

Articles Published in Other Journals

● **Suppression factor as evaluation criterion for wide-frequency filtering equipment**

Durna E., ERMİŞ M.

JOURNAL OF ENGINEERING-JOE, pp.3923-3927, 2019 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

● **Effect of Grey Wolf Optimization on THD of 3-Phase Voltage Source Inverter with Selective Harmonic Elimination Base**

NALÇACI G., ERMİŞ M.

4th International Conference on Power Electronics and their Applications (ICPEA), Elazığ, Turkey, 25 - 27 September 2019

● **Selective Harmonic Elimination for Three-Phase Voltage Source Inverters Using Whale Optimizer Algorithm**

Nalcaci G., ERMİŞ M.

5th International Conference on Electrical and Electronics Engineering (ICEEE), İstanbul, Turkey, 3 - 05 May 2018, pp.1-6

● **Real-Time Detection of Interharmonics and Harmonics of AC Electric Arc Furnaces on GPU Framework**

Uz-Logoglu E., Salor O., ERMİŞ M.

IEEE-Industry-Applications-Society Annual Meeting, Ohio, United States Of America, 1 - 05 October 2017

● **Imaging the interactions between oral pathogens and probiotic lactic acid bacteria on the adhesion to human gingival fibroblast cells by confocal and fluorescein microscopy**

AKCA G., Celik I., ERMİŞ M., Foto E.

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● **Identification of Harmonic Current Contributions of Iron and Steel Plants Based on Time-Synchronized Field Measurements - Part I: at PCC**

Unsar O., Salor O., ÇADIRCI I., ERMİŞ M.

Annual Meeting of the IEEE-Industry-Applications-Society, Florida, United States Of America, 6 - 11 October 2013

● **Identification of Harmonic Current Contributions of Iron and Steel Plants Based on Time-Synchronized Field Measurements - Part II: Inside Plants**

Unsar O., Salor O., ÇADIRCI I., ERMİŞ M.

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● **Field-Data-Based Modeling of Medium Frequency Induction Melting Furnaces for Power Quality Studies**

Yilmaz I., Salor O., ERMİŞ M., ERMİŞ M.

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● **Medium Frequency Induction Melting Furnace as a Load on the Power System**

Yilmaz I., ERMİŞ M., ERMİŞ M.

Annual Meeting of the IEEE-Industry-Applications-Society (IAS), Florida, United States Of America, 9 - 13 October 2011

● **Design, Implementation and Operation of a New C-type 2nd Harmonic Filter for Electric Arc and Ladle Furnaces**

Gercek C. O. , ERMİŞ M., Ertas A., Kose K. N. , Unsar O.

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● **A New Flicker Contribution Tracing Method Based on Individual Reactive Current Components of Multiple EAFs at PCC**

Altintas E., Salor O., ÇADIRCI I., ERMİŞ M.

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● **A New Field-Data Based EAF Model for Power Quality Studies**

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● **Electrical Power Quality of Iron and Steel Industry in Turkey**

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Supported Projects

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ERMİŞ M., Canver M., UĞUR M., Project Supported by Higher Education Institutions, SiC Güç Yarı İletkeni Tabanlı Şebekeye Bağlı Fotovoltaik Güç Kaynağı Geliştirme Projesi, 2014 - 2015

ERMİŞ M., Uğur M., Project Supported by Higher Education Institutions, Elektrikli Raylı Ulaşım Sistemleri Çekis (Cer) Çevirgeç Sistemi Laboratuvar Prototipinin Gelistirilmesi, 2013 - 2015

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