

Assoc. Prof. Nihan ALTINTAŞ

Personal Information

Email: naltin@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/naltin>

International Researcher IDs

ScholarID: PQIJtvoAAAAJ

ORCID: 0000-0002-6567-7675

Publons / Web Of Science ResearcherID: AAZ-7163-2020

ScopusID: 55362749300

Yoksis Researcher ID: 173979

Education Information

Doctorate, Yildiz Technical University, Elektrik Elektronik Fakültesi, Elektrik Mühendisliği, Turkey 2007 - 2012

Postgraduate, Yildiz Technical University, Elektrik Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, Turkey 2004 - 2007

Undergraduate, Yildiz Technical University, Elektrik Elektronik Fakültesi, Elektrik Mühendisliği, Turkey 2000 - 2004

Research Areas

Electrical and Electronics Engineering, Power Electronics, Power Converters, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2015 - Continues

Research Assistant, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2005 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

I. Performance evaluation of pan position methods in domestic induction cooktops

Altintaş N., Ozturk M., Oktay U.

Electrical Engineering, vol.105, no.5, pp.2559-2571, 2023 (SCI-Expanded)

II. A Comparative Evaluation of Wide-Bandgap Semiconductors for High-Performance Domestic Induction Heating

Aslan S., Ozturk M., ALTINTAŞ N.

Energies, vol.16, no.10, 2023 (SCI-Expanded)

III. Adaptation of Inductive Power Transfer to Small Household Appliances That Can Operate on Induction Heating Cooktops: Wireless Electric Kettle

Sezer C., ALTINTAŞ N.

Energies, vol.16, no.8, 2023 (SCI-Expanded)

IV. Multi-output AC-AC converter for domestic induction heating

- Ozturk M., ALTINTAŞ N.
ELECTRICAL ENGINEERING, vol.105, no.1, pp.297-316, 2023 (SCI-Expanded)
- V. A Novel Single Phase Soft Switched PFC Converter
Altintas N.
JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY, vol.9, no.5, pp.1592-1601, 2014 (SCI-Expanded)
- VI. A Novel ZVT-ZCT-PWM Boost Converter
Altintas N., Bakan A. F., Aksoy I.
IEEE TRANSACTIONS ON POWER ELECTRONICS, vol.29, pp.256-265, 2014 (SCI-Expanded)
- VII. An Improved PSFB PWM DC-DC Converter for High-Power and Frequency Applications
Bakan A. F., Altintas N., Aksoy I.
IEEE TRANSACTIONS ON POWER ELECTRONICS, vol.28, pp.64-74, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. Analysis of the measured and simulated performance data of a grid-connected 1036,8 kwp photovoltaic solar power plant in Elazığ
Tanış Z., altintas n.
EMO Bilimsel Dergi, vol.13, no.2, pp.71-80, 2023 (Peer-Reviewed Journal)
- II. Çok Fazlı Mikrodenetleyici Tabanlı Senkron Düşürücü Dönüştürücüde Çalışma Modlarının Verime Etkisinin İncelenmesi
YENER B., ALTINTAŞ N.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.11, no.1, pp.254-263, 2023 (Peer-Reviewed Journal)
- III. Bataryalı PV Sistemlerde Maksimum Güç Noktası Takip Yöntemlerinin Karşılaştırılması
ALTINTAŞ N., DEMİRCİ A., TERCAN S. M.
European Journal of Science and Technology, vol.21, no.21, pp.369-377, 2021 (Peer-Reviewed Journal)
- IV. Dalgıç Pompa Elektrik Motorunun İyileştirilmesi
Altintas N., Samur K.
Harran Üniversitesi Mühendislik Dergisi, vol.5, no.2, pp.82-93, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. Modeling of WPT System for Small Home Appliances
Sezer C., Odabas G., Sinirlioglu S., Kaya B., ALTINTAŞ N.
8th International Conference on Electrical and Electronics Engineering (ICEEE), Antalya, Turkey, 9 - 11 April 2021, pp.243-247
- II. A Comparative Study on Power MOSFET Reliability and Failure Modes
Gözütok A., Altintas N., Aydoğan B., Meşe E., Tosunoğlu Z.
18th International Symposium INFOTEH-JAHORINA (INFOTEH), Sarajevo, Bosnia And Herzegovina, 20 - 22 March 2019, pp.1-5
- III. Comparison of Induction Cooker Power Converters
Altintas N., Öztürk M., Aslan S.
CEIT 2018 6th International Conference on Control Engineering Information Technology, İstanbul, Turkey, 25 - 27 October 2018, pp.579-584
- IV. Elazığ'da Yer Alan 3.153,6kwp Şebekeye Bağlı Fotovoltaic Güneş Enerjisi Santralinin Performans Analizi
Tanış Z., Altintas N.
Uluslararası Fen ve Mühendislik Kongresi, Girne, Cyprus (Kktc), 4 - 06 September 2018, pp.1000-1008
- V. A comparative study of SiC and Si power devices in induction cookers
Öztürk M., Altintas N., Aslan S.

- 5th International Conference on Electrical and Electronic Engineering, İstanbul, Turkey, 3 - 05 May 2018, pp.1000-1008
- VI. **Ev Tipi İndüksiyon Oçaklar İçin Çok Bobinli AC-AC Dönüştürücü Tasarımı**
Öztürk M., Altıntaş N.
EEMKON, İstanbul, Turkey, 16 - 18 November 2017, pp.1000-10008
- VII. **A Soft Switching Single Phase Power Factor Correction AC-DC Boost Converter with Passive Snubber**
Ting N. S., ALTINTAŞ N.
4th International Conference on Electrical and Electronic Engineering (ICEEE), Ankara, Turkey, 8 - 10 April 2017, pp.13-17
- VIII. **Performance evaluations of capacitor-switched PSFB converter with SiC MOSFETs**
Altintas N., HAN D., LI Y., SARLIOGLU B.
42nd Conference of the Industrial Electronics Society, IECON 2016, Florence, Italy, 24 - 27 October 2016, pp.2492-2496
- IX. **Design of high-speed toroidal winding surface PM machine with SiC-based inverters**
LI Y., HAN D., Altintas N., SARLIOGLU B.
22nd International Conference on Electrical Machines, ICEM 2016, Lausanne, Switzerland, 4 - 07 September 2016, pp.1559-1565
- X. **ZVZCT PWM Boost DC-DC Converter**
AKSOY İ., BODUR H., ALTINTAŞ N.
17th International Conference on Electrical and Electronics Engineering (ICEEE 2015, WASET), Paris, France, 27 August 2015, pp.1-5
- XI. **Comparison of The Full Bridge PSPWM DC-DC Converters**
AKSOY İ., ALTINTAŞ N., BODUR H.
Society for Electronics, Telecommunications, Automation, Informatics Conference 2009 (ETAI2009), 01 September 2009
- XII. **An Experimental Investigation of Switching Losses of the IGBT in PSPWM DC-DC Converters Depending on the Parallel Snubber Capacitor**
AKSOY İ., ALTINTAŞ N., BODUR H.
Society for Electronics, Telecommunications, Automation, Informatics Conference 2009 (ETAI2009), 01 September 2009
- XIII. **IGBT Tabanlı Tam Köprü PSPWM DC-DC Dönüştürücüde Bastırma Kondansatörlerinin Belirlenmesi**
Altıntaş N., Aksoy İ., Bodur H.
Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Bursa, Turkey, 26 - 30 November 2008, pp.331-335
- XIV. **Tam Köprü PSPWM DC-DC Dönüştürücülerin Karşılaştırılması**
Bodur H., Aksoy İ., Altıntaş N.
Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Bursa, Turkey, 26 - 30 November 2008, pp.366-370

Supported Projects

- Düşmez S., Kocabas D. A., Gülbahçe M. O., Altıntaş N., TUBITAK Project, Bidirectional AC/DC Converters <10kW with Best-in Class Power Density, 2020 - 2023
- Bodur H., Bakan A. F., Altıntaş N., TUBITAK Project, Design and Implementation of a New Modular and Isolated Active Soft Switching Cell for Multi-Switch Converters, 2020 - 2022
- Aksoy İ., Altıntaş N., Bakan A. F., Industrial Thesis Project, Üç Fazlı Kaynak Makinaları için Yumuşak Anahtarlamalı İzoleli PWM DC-DC Dönüştürücü Geliştirilmesi, 2010 - 2012
- Bodur H., Aksoy İ., Altıntaş N., Bakan A. F., TUBITAK Project, Yeni bir Yumuşak Anahtarlamalı PWM DC-DC Dönüştürücünün Geliştirilmesi ve Ark Kaynak Makinalarına Uygulanması, 2007 - 2009

Metrics

Publication: 25

Citation (WoS): 106

Citation (Scopus): 121

H-Index (WoS): 4

H-Index (Scopus): 4

Non Academic Experience

Fatih Sultan Mehmet Vakif Üniversitesi

Milli Savunma Üniversitesi - Hava Harp Okulu

Milli Savunma Üniversitesi - Hava Harp Okulu

Milli Savunma Üniversitesi - Hava Harp Okulu

University of Wisconsin-Madison