

## Asst. Prof. Ali AĞÇAL

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Electrical Engineering, Turkey  
2014 - 2018

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Electrical Engineering,  
Turkey 2012 - 2014

Undergraduate, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, Turkey  
2006 - 2011

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

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

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

- I. **A WIRELESS POWER TRANSFER SYSTEM DESIGN USING TRANSMITTER LARGER THAN RECEIVER FOR MOBILE PHONES**  
AĞÇAL A., Vural O.  
REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE, vol.67, no.3,  
pp.359-365, 2022 (SCI-Expanded)
- II. **Validation of Wireless Power Transfer by using 3D Representation of Magnetically Coupled Resonators Considering Peak Efficiency**  
BEKİROĞLU K. N., AĞÇAL A., Ozcira S.  
JOURNAL OF MAGNETICS, vol.23, no.1, pp.11-17, 2018 (SCI-Expanded)
- III. **Comparison of Magnetic Resonant Coupling Wireless Power Transfer Systems within Aligned and Unaligned Positions and Determining their Limits**  
AĞÇAL A., BEKİROĞLU K. N., Ozcira S.  
JOURNAL OF MAGNETICS, vol.21, no.4, pp.652-659, 2016 (SCI-Expanded)
- IV. **Examination of Efficiency Based on Air Gap and Characteristic Impedance Variations for Magnetic Resonance Coupling Wireless Energy Transfer**

## Articles Published in Other Journals

- I. **The Effects of Operating Frequency on Wireless Power Transfer System Design and Human Health in Electric Vehicles**  
AĞÇAL A., Dogan T. H., Aksu G.  
ELECTRICA, vol.22, no.2, pp.188-197, 2022 (ESCI)
- II. **Manyetik Rezonanslı Kuplaj ile Kablosuz Enerji Transferinde Hizalanmış ve Hizalanmamış Durumların Limitlerinin İncelenmesi**  
AĞÇAL A., BEKİROĞLU K. N., ÖZÇIRA S.  
Fırat Üniversitesi Fen Bilimleri Dergisi, vol.30, no.3, pp.67-73, 2018 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Elektrik Makinaları Deneyleri**  
ŞENOL İ., BEKİROĞLU K. N., ZORLU PARTAL S., AYDENİZ M. G., AYÇİÇEK E., ÖZÇIRA S., ÖNER Y., ARABUL A. Y., AĞÇAL A., KESKİN F.  
Birsen Yayınevi, İstanbul, 2016
- II. **Wireless Power Transfer by Using Magnetically Coupled Resonators**  
AĞÇAL A., ÖZÇIRA S., BEKİROĞLU K. N.  
in: Wireless Power Transfer Fundamentals and Technologies, Eugen Coca, Editor, INTECH, Rijeka, pp.49-66, 2016

## Refereed Congress / Symposium Publications in Proceedings

- I. **Manyetik Rezonanslı Kuplaj ile Kablosuz Enerji Transferinde Hizalanmış ve Hizalanmamış Durumların Limitlerinin İncelenmesi**  
AĞÇAL A., BEKİROĞLU K. N., ÖZÇIRA S.  
1. Ulusal Elektrik Enerjisi Dönüşümü Kongresi, Elazığ, Turkey, 21 - 22 September 2017, pp.211-216
- II. **Global and Domestic Energy Prospectives In The Terms Of Geographic Location Of Turkey**  
ÖZÇIRA S., AĞÇAL A., BEKİROĞLU K. N.  
ENTECH 2014, Energy Technologies Conference, 22 - 24 December 2014
- III. **A Study on Feasibility of Wind Energy Production in Silivri Region by Using Laboratory Setup**  
ÖZÇIRA S., BEKİROĞLU K. N., AĞÇAL A.  
ICRERA 2013, 31 March 2013

## Metrics

Publication: 12  
Citation (WoS): 5  
Citation (Scopus): 5  
H-Index (WoS): 2  
H-Index (Scopus): 2