

## Prof. YUNUS BABACAN

### Personal Information

**Office Phone:** [+90 446 226 0088](tel:+904462260088) Extension: 43151

**Fax Phone:** [+90 446 226 0088](tel:+904462260088)

**Web:** [https://scholar.google.com.tr/scholar?hl=tr&as\\_sdt=0%2C5&q=yunus+babacan&oq=](https://scholar.google.com.tr/scholar?hl=tr&as_sdt=0%2C5&q=yunus+babacan&oq=)

**Address:** ybabacan@erzincan.edu.tr

### International Researcher IDs

ORCID: 0000-0002-6745-0626

Publons / Web Of Science ResearcherID: T-4586-2018

Yoksis Researcher ID: 133810

### Education Information

Doctorate, Istanbul University, Institute Of Graduate Studies In Sciences, Elektrik-Elektronik Mühendisliği, Turkey 2012 - 2016

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 2008 - 2011

Undergraduate, Ataturk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 2004 - 2008

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Foreign Language, Georgia Institute of Technology English Courses, Georgia Institute of Technology Language Center, 2016

### Dissertations

Doctorate, Memristör tasarımı ve yeni uygulamaları, İstanbul Üniversitesi, Elektrik-Elektronik Mühendisliği, Elektrik-Elektronik Mühendisliği, 2016

Postgraduate, Er/p-Si Schottky yapılarında engel yüksekliği ve Gauss dağılımının sıcaklığa bağlılığı, Atatürk Üniversitesi, Elektrik-Elektronik Mühendisliği, Elektrik-Elektronik Mühendisliği, 2011

### Research Areas

Electrical and Electronics Engineering, Electronic, Printed Circuits, Thin Film, Thick Film and Hybrid ICs, Circuit Theory, Electronic Circuits, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2019 - Continues

Assistant Professor, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2017 - 2019

Assistant Professor, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2017 - 2018

Research Assistant, Istanbul University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2012 - 2017

Research Assistant, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2011 - 2012

Research Assistant, Gumushane University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2010 - 2010

## Academic and Administrative Experience

Yükseköğretim Kurulu Üyesi, Erzincan Binali Yildirim University, Tercan Meslek Yüksekokulu, 2021 - Continues

Director of Vocational School, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, 2018 - Continues

Head of Department, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2018 - Continues

Fakülte Yönetim Kurulu Üyesi, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2019 - 2022

## Courses

### Postgraduate

Analog Tümdenlem Tasarımı, Postgraduate, 2018 - 2019

### Undergraduate

Sayısal Tasarım, Undergraduate, 2021 - 2022

Devre Analizi-II, Undergraduate, 2018 - 2019

Elektronik-II, Undergraduate, 2018 - 2019

Devre Analizi-I, Undergraduate, 2018 - 2019

Elektronik-I, Undergraduate, 2017 - 2018

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

- I. **A new floating memcapacitor emulator circuit without using passive elements**  
Korkmaz M. O., BABACAN Y., Yesil A.  
International Journal of Circuit Theory and Applications, vol.52, no.7, pp.3650-3663, 2024 (SCI-Expanded)
- II. **CCII- and OTA-Based Tunable Memcapacitor Emulator Circuits Without Using Passive Elements**  
Korkmaz M. O., BABACAN Y., Yesil A.  
Circuits, Systems, and Signal Processing, vol.43, no.7, pp.4093-4120, 2024 (SCI-Expanded)
- III. **Single VDCC Based Memcapacitor Emulator Circuit without Using Passive Elements and Analog Multiplier**  
Korkmaz M. O., Sagbas M., BABACAN Y., Yesil A.  
Indian Journal of Pure and Applied Physics, vol.62, no.4, pp.310-319, 2024 (SCI-Expanded)
- IV. **Special Memristor and Memristor-Based Compact Neuron Circuit**  
Altan M. A., ORMAN K., BABACAN Y., Yesil A.  
Journal of Circuits, Systems and Computers, vol.33, no.5, 2024 (SCI-Expanded)
- V. **A novel memristive chaotic jerk circuit and its microcontroller-based sliding mode control**  
Yesil A., Gokyildirim A., BABACAN Y., Calgan H.

JVC/Journal of Vibration and Control, 2024 (SCI-Expanded)

- VI. **Electronically Controllable Fully Floating Memcapacitor Circuit**  
Gur M., AKAR F., ORMAN K., BABACAN Y., Yesil A., GÜL F.  
Circuits, Systems, and Signal Processing, vol.42, no.11, pp.6481-6493, 2023 (SCI-Expanded)
- VII. **Tunable memristor employing only four transistors**  
Yesil A., BABACAN Y.  
AEU - International Journal of Electronics and Communications, vol.169, 2023 (SCI-Expanded)
- VIII. **A new CCII based meminductor emulator circuit and its experimental results**  
Korkmaz M. O., BABACAN Y., Yesil A.  
AEU - International Journal of Electronics and Communications, vol.158, 2023 (SCI-Expanded)
- IX. **Controlling a 4D Chaotic Oscillator with a Quadratic Memductance and its Implementation**  
Gokyildirim A., Yesil A., BABACAN Y.  
Journal of Circuits, Systems and Computers, vol.31, no.16, 2022 (SCI-Expanded)
- X. **DDCC-based meminductor circuit with hard and smooth switching behaviors and its circuit implementation**  
ORMAN K., Yesil A., BABACAN Y.  
Microelectronics Journal, vol.125, 2022 (SCI-Expanded)
- XI. **Investigation of STDP mechanisms for memristor circuits**  
BABACAN Y., Yesil A., Tozlu O. F., KAÇAR F.  
AEU - International Journal of Electronics and Communications, vol.151, 2022 (SCI-Expanded)
- XII. **Implementation of a memristor-based 4D chaotic oscillator and its nonlinear control**  
Gokyildirim A., YEŞİL A., BABACAN Y.  
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, vol.110, no.1, pp.91-104, 2022 (SCI-Expanded)
- XIII. **Electronically controllable memcapacitor emulator employing VDCCs**  
Konal M., KAÇAR F., BABACAN Y.  
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.140, 2021 (SCI-Expanded)
- XIV. **Operational Transconductance Amplifier-Based Electronically Controllable Memcapacitor and Meminductor Emulators**  
Demir E., Yesil A., BABACAN Y., KARACALI T.  
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.30, no.12, 2021 (SCI-Expanded)
- XV. **Electronically controllable neuristor based logic gates and their applications**  
TOZLU Ö. F., KAÇAR F., BABACAN Y.  
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.138, 2021 (SCI-Expanded)
- XVI. **Design of Memristor with Hard-Switching Behavior Employing Only One CCCII and One Capacitor**  
Yesil A., BABACAN Y.  
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.30, no.9, 2021 (SCI-Expanded)
- XVII. **The Implementation of Logic Gates Using Only Memristor Based Neuristor**  
ORMAN K., BABACAN Y.  
Informacije MIDEM, vol.51, no.2, pp.113-117, 2021 (SCI-Expanded)
- XVIII. **Electronically Controllable Memcapacitor Circuit with Experimental Results**  
Yesil A., BABACAN Y.  
IEEE Transactions on Circuits and Systems II: Express Briefs, vol.68, no.4, pp.1443-1447, 2021 (SCI-Expanded)
- XIX. **Neuristor based electronically controllable logic gates**  
BABACAN Y., KAÇAR F.  
Analog Integrated Circuits and Signal Processing, vol.106, no.3, pp.707-711, 2021 (SCI-Expanded)
- XX. **The Implementation of Logic Gates Using Only Memristor Based Neuristor**  
Orman K., Babacan Y.  
INFORMACIJE MIDEM, vol.51, no.2, pp.113-117, 2021 (SCI-Expanded)
- XXI. **An electronically controllable, fully floating memristor based on active elements: DO-OTA and DVCC**  
Yesil A., Babacan Y., Kacar F.  
AEU - International Journal of Electronics and Communications, vol.123, 2020 (SCI-Expanded)

- XXII. **A New Floating Memristor Based on CBTA with Grounded Capacitors**  
YEŞİL A., BABACAN Y., KAÇAR F.  
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.28, no.13, 2019 (SCI-Expanded)
- XXIII. **Electronically tunable memristor based on VDCC**  
YEŞİL A., BABACAN Y., KAÇAR F.  
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.107, pp.282-290, 2019 (SCI-Expanded)
- XXIV. **A novel OTA-based circuit model corroborated by an experimental semiconductor memristor**  
Gül F., BABACAN Y.  
MICROELECTRONIC ENGINEERING, vol.194, pp.56-60, 2018 (SCI-Expanded)
- XXV. **Wavelet analysis of a memristor emulated model proposed for compact fluorescent lamp operated systems**  
BABACAN Y., Uzunoglu C. P., ÇEKLİ S., KAÇAR F., UĞUR M.  
ELECTRIC POWER SYSTEMS RESEARCH, vol.160, pp.56-62, 2018 (SCI-Expanded)
- XXVI. **Design and experimental evolution of memristor with only one VDTA and one capacitor**  
YESIL A., BABACAN Y., KACAR F.  
IEEE TRANSACTIONS ON COMPUTER-AIDED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS, no.1, pp.1, 2018 (SCI-Expanded)
- XXVII. **The Fabrication and MOSFET-Only Circuit Implementation of Semiconductor Memristor**  
BABACAN Y., YESIL A., Gül F.  
IEEE TRANSACTIONS ON ELECTRON DEVICES, vol.65, no.4, pp.1625-1632, 2018 (SCI-Expanded)
- XXVIII. **Memristive retinomorphic grid architecture removing noise and preserving edge**  
YILDIRIM M., BABACAN Y., KAÇAR F.  
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.97, pp.38-44, 2018 (SCI-Expanded)
- XXIX. **A new floating memristor based on CBTA with grounded capacitors**  
Yesil A., BABACAN Y., Kacar F.  
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.1, no.1, pp.1-15, 2018 (SCI-Expanded)
- XXX. **Ultra-Low voltage-power DT MOS based full-wave rectifier**  
BABACAN Y.  
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.91, pp.18-23, 2018 (SCI-Expanded)
- XXXI. **Floating memristor emulator with subthreshold region**  
Babacan Y., Kacar F.  
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, vol.90, no.2, pp.471-475, 2017 (SCI-Expanded)
- XXXII. **Memristor emulator with spike-timing-dependent-plasticity**  
BABACAN Y., KACAR F.  
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.73, pp.16-22, 2017 (SCI-Expanded)
- XXXIII. **Memristor emulator with tunable characteristic and its experimental results**  
BABACAN Y., Yesil A., Kacar F.  
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.81, pp.99-104, 2017 (SCI-Expanded)
- XXXIV. **A spiking and bursting neuron circuit based on memristor**  
Babacan Y., Kacar B., Gurkan K.  
NEUROCOMPUTING, vol.203, pp.86-91, 2016 (SCI-Expanded)
- XXXV. **Harmonic Generation Analyses of Memristor with Different Barriers and Neuron**  
Babacan Y., Kacar F.  
ACTA PHYSICA POLONICA A, vol.130, no.1, pp.226-227, 2016 (SCI-Expanded)
- XXXVI. **Modeling and Suppression of Chaotic Ferroresonance in a Power System by Using Memristor-based System**

Uzunoglu C. P., Babacan Y., Kacar F., Ugur M.

ELECTRIC POWER COMPONENTS AND SYSTEMS, vol.44, no.6, pp.638-645, 2016 (SCI-Expanded)

XXXVII. **A new DDCC based memristor emulator circuit and its applications**

Yesil A., Babacan Y., Kacar F.

MICROELECTRONICS JOURNAL, vol.45, no.3, pp.282-287, 2014 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A floating CCCII and DDCC based memcapacitor circuit with electronically controllable behavior**  
KAYA A. H., Yesil A., BABACAN Y.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.15, no.1, pp.93-105, 2022 (Peer-Reviewed Journal)
- II. **FCS Based Memcapacitor Emulator Circuit**  
MADSAR M., BABACAN Y., ÇIÇEK K.  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2020 (Peer-Reviewed Journal)
- III. **MOSFET Based Parallel Inductance Simulator**  
BABACAN Y., YEŞİL A.  
Journal of the Institute of Science and Technology, vol.9, no.1, pp.30-38, 2019 (Peer-Reviewed Journal)
- IV. **Elektronik Olarak Ayarlanabilir Memristör Tabanlı Chua Devresinin Gerçeklenmesi**  
YEŞİL A., BABACAN Y.  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2019 (Peer-Reviewed Journal)
- V. **Implementation of Electronically Controllable Memristor Based Chua Circuit**  
YEŞİL A., BABACAN Y.  
Journal of the Institute of Science and Technology, vol.9, no.1, pp.121-129, 2019 (Peer-Reviewed Journal)
- VI. **An Operational Transconductance Amplifier-based Memcapacitor and Meminductor**  
BABACAN Y.  
ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, no.1, pp.36-38, 2018 (Scopus)
- VII. **FCS Based Memristor Emulator with Associative Learning Circuit Application**  
BABACAN Y., Kacar F.  
ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.17, no.2, 2017 (ESCI)

## Books

- I. **Mikroelektronik Devreler ve Uygulamaları**  
BABACAN Y., YEŞİL A., KAÇAR F.  
Nobel Akademik Yayıncılık, Ankara, 2023
- II. **Chapter VII - MEMORY CIRCUIT ELEMENTS AND APPLICATIONS**  
ORMAN K., BABACAN Y.  
in: ACADEMIC STUDIES IN ENGINEERING SCIENCES, Assoc. Prof. Dr. Halil İbrahim Kurt, Editor, LIVRE de LYON, Lyon, pp.77-101, 2020
- III. **Emulator circuits and resistive switching parameters of memristor**  
YEŞİL A., GÜL F., BABACAN Y.  
in: Memristor and Memristive Neural Networks, Alex Pappachen James, Editor, INTECH, Zagreb, pp.41-61, 2018
- IV. **Memristor devices and models**  
Yesil A., Gül F., BABACAN Y.  
in: Memristor and Memristive Neural Networks, Dajana Pemac, Editor, Intech, New York, pp.1-29, 2018
- V. **Memristör Modelleri ve Uygulamaları**  
BABACAN Y.  
Lambert Academic, İstanbul, 2017

## Papers Published in Refereed Scientific Meetings

- I. **Smart Greenhouse System and Control of Necessary Parameters for Accelerating Plant Growth-II**  
AKDEMİR N., BABACAN Y.  
14 th International Exergy, Energy, and Environment Symposium (IEEEES-14), 24 - 27 December 2023
- II. **Smart Greenhouse System and Control of Necessary Parameters for Accelerating Plant Growth-I**  
AKDEMİR N., BABACAN Y.  
14 th International Exergy, Energy, and Environment Symposium (IEEEES-14), 24 - 27 December 2023
- III. **İNSANSIZ HAVA ARAÇLARI İÇİN FIRCASIZ DC MOTOR ÜRETİMİ VE ELEKTRİKSEL KARAKTERİSTİKLERİNİN İNCELENMESİ-II**  
Abdulhadi M., Babacan Y.  
6.ULUSLARARASI MÜHENDİSLİK VE TEKNOLOJİ YÖNETİMİ KONGRESİ, İstanbul, Turkey, 20 November 2021
- IV. **OTA TABANLI MEMKAPASİTÖR DEVRESİNİN FOURIER ÖZELLİĞİNİN İNCELENMESİ**  
GÜR M., BABACAN Y.  
6.ULUSLARARASI MÜHENDİSLİK VE TEKNOLOJİ YÖNETİMİ KONGRESİ, Turkey, 20 November 2021
- V. **İNSANSIZ HAVA ARAÇLARI İÇİN FIRCASIZ DC MOTOR ÜRETİMİ VE ELEKTRİKSEL KARAKTERİSTİKLERİNİN İNCELENMESİ-I**  
Abdulhadi M., BABACAN Y.  
6.ULUSLARARASI MÜHENDİSLİK VE TEKNOLOJİ YÖNETİMİ KONGRESİ, Turkey, 20 November 2021
- VI. **OTA TABANLI MEMKAPASİTÖR DEVRESİNİN STDP ÖZELLİĞİNİN İNCELENMESİ**  
GÜR M., BABACAN Y.  
6.ULUSLARARASI MÜHENDİSLİK VE TEKNOLOJİ YÖNETİMİ KONGRESİ, Turkey, 20 November 2021
- VII. **A Review of High-Grade Nonlinear Basic Passive Circuit Elements Memcapacitor and Meminductor**  
Demir E., YEŞİL A., BABACAN Y., KARACALI T.  
II. INTERNATIONAL CONFERENCE ON INNOVATIVE ENGINEERING APPLICATIONS, Turkey, 20 May 2021
- VIII. **A Brief Discussion on Data and Database Requirements of EVoting Systems**  
Demir E., ÇABUK U. C., BABACAN Y., KARACALI T.  
II. INTERNATIONAL CONFERENCE ON INNOVATIVE ENGINEERING APPLICATIONS, Turkey, 20 May 2021
- IX. **Investigation of STDP behavior for DDCC based memristor circuit**  
BABACAN Y., YEŞİL A.  
IV. INES International Academic Research Congress (INES - 2018), 30 October - 03 November 2018
- X. **MOSFET-C based decremental grounded memristor**  
YEŞİL A., BABACAN Y.  
IV. INES International Academic Research Congress (INES - 2018), Antalya, Turkey, 30 October - 03 November 2018
- XI. **Fully floating memristor based neuron circuit implementation**  
BABACAN Y.  
IV. International Academic Research Congress (INES), 30 October - 03 November 2018
- XII. **Neuron Circuit Based on CCII-**  
BABACAN Y., YEŞİL A., KONAL M., KACAR F.  
22nd International Conference ELECTRONICS 2018, Palang, Bangladesh, 18 - 20 June 2018
- XIII. **Comparison of Basic Soft Switching Techniques in DC-DC Boost Converters Used in Solar PV Panels**  
TING N. S., ŞAHİN Y., BABACAN Y.  
I. International Symposium on Innovative Approaches in Scientific Studies, Antalya, Turkey, 11 - 13 April 2018, pp.437-440
- XIV. **A novel circuit design of neuristor based logic OR gate**  
BABACAN Y.  
International Conference on Intelligent Transportation Systems, 19 - 21 April 2018
- XV. **Cognitive approach to Memristor which is able to associative learning**  
BABACAN H. H., BABACAN Y.  
Ist International Symposium on Innovative Approaches in Scientific Studies, 11 - 13 April 2018

- XVI. **Pathological Element-Based Memelement Circuit**  
BABACAN Y.  
Ist International Symposium on Innovative Approaches in Scientific Studies, 11 - 13 April 2018
- XVII. **EXPERIMENTAL RESULT OF FLOATING MEMRISTOR EMULATOR WITH SUBTHRESHOLD REGION**  
BABACAN Y., YEŞİL A., BAŞAK M. E., KAÇAR F.  
V. INTERNATIONAL ENERGY TECHNOLOGIES CONFERENCE ENTECH'xx17, 15 - 16 December 2017
- XVIII. **Memristor-Based Sodium and Potassium Channels Model**  
BABACAN Y., Yıldırım M., KAÇAR F.  
ELECO'17, Bursa, Turkey, 14 - 17 November 2017, pp.1
- XIX. **A Circuit Model for Single Cell 1 Diode-1 Memristor (1D1M) Semiconductor Device**  
GÜL F., BABACAN Y.  
INES, 18 - 21 October 2017
- XX. **Memristor: Three MOS Transistors and One Capacitor**  
BABACAN Y.  
INES'17, Antalya, Turkey, 15 - 17 October 2017, pp.1
- XXI. **Modelling of Compact Fluorescent Lamp Characteristics Using Memristor**  
UZUNOĞLU C. P., BABACAN Y., CEKLİ S., KAÇAR F., UĞUR M.  
MEMRISYS, 3 - 06 April 2017
- XXII. **Implementing Hodgkin-Huxley Circuit Based on Non-linear Resistor**  
UZUNOĞLU C. P., BABACAN Y., KACAR F.  
International Conference on Memristive Materials, Devices & Systems (MEMRISYS 2017), Atina, Greece, 3 - 06 April 2017, pp.3-4
- XXIII. **Modelling of Compact Fluorescent Lamp Characteristics Using Memristor Emulator Circuit**  
UZUNOĞLU C. P., BABACAN Y., Cekli S., KACAR F., UGUR M.  
International Conference on Memristive Materials, Devices & Systems (MEMRISYS 2017), Atina, Greece, 3 - 06 April 2017, pp.1-2
- XXIV. **Harmonic Generation Analyses of Memristor with Different Barriers and Neuron**  
BABACAN Y., KAÇAR F.  
2nd International Conference on Computational and Experimental Science and Engineering (ICCESEN 2015), 14 - 19 October 2015

## Supported Projects

Babacan Y., Yeşil A., TUBITAK Project, Yüksek Dereceden Lineer Olmayan Memkapasitör ve Memindüktör Tasarımı ve Uygulamaları, 2019 - 2021

BABACAN Y., KAÇAR F., YEŞİL A., Project Supported by Higher Education Institutions, Memristör tabanlı Memristive Fuse yapısı ile retina devresi tasarımı, 2019 - 2020

Tıng N. S., Babacan Y., Project Supported by Other Official Institutions, Elektrikli Araç Prototip Üretimi, 2018 - 2019

BABACAN Y., KACAR F., UZUNOĞLU C. P., GÜLNAHAR M., Project Supported by Higher Education Institutions, Ayarlanabilir Eşik Gerilimlerine Sahip Memristör Devre Modeli Tasarımı ve Deşarj Lambasına Uygulanması ile Memkapasitör/Memindüktör Tasarımı, 2017 - 2018

## Activities in Scientific Journals

TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES , Editor, 2017 - 2018

## Scientific Research / Working Group Memberships

Beyin arařtırmaları derneęi, İSTANBUL ÜNİVERSİTESİ, Türkiye, <http://www.bad.org.tr>, 2017 - Continues

## **Metrics**

Publication: 75

Citation (WoS): 232

Citation (Scopus): 883

H-Index (WoS): 7

H-Index (Scopus): 14

## **Scholarships**

BİDEB, TUBITAK, 2015 - Continues

## **Non Academic Experience**

Georgia Institute of Technology, Visiting Scholar-Misafir Arařtırmacı