

## Asst. Prof. SERTAÇ YAMAN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Firat University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), Turkey 2015 - Continues

Associate Degree, Anadolu University, Açıköğretim Fakültesi, Hukuk Bölümü, Turkey 2012 - 2017

Undergraduate, Ege University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2013 - 2015

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, Elektronik (YI) (Tezli), Turkey 2012 - 2015

### Dissertations

Postgraduate, Fonksiyonel manyetik nanoparçacıkların üretimi ve karakterizasyonu, Ege University, Fen Bilimleri Enstitüsü, Elektronik (YI) (Tezli), 2015

### Academic Titles / Tasks

Research Assistant, Hakkari University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2010 - Continues

Research Assistant, Firat University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2015 - 2021

Research Assistant, Ege University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2012 - 2015

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

- I. **A neural network approach for classification of fault-slip data in geoscience**  
YAMAN S., Karakaya B., Köküm M.  
Ain Shams Engineering Journal, vol.15, no.1, 2024 (SCI-Expanded)
- II. **A novel normalization algorithm to facilitate pre-assessment of Covid-19 disease by improving accuracy of CNN and its FPGA implementation**  
YAMAN S., Karakaya B., Erol Y.  
Evolving Systems, vol.14, no.4, pp.581-591, 2023 (SCI-Expanded)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Real Time Edge Detection via IP-Core based Sobel Filter on FPGA**  
YAMAN S., KARAKAYA B., EROL Y.  
2019 International Conference on Applied Automation and Industrial Diagnostics (ICAAID), Turkey, 25 September

2019

- II. **Image and Video Processing Applications Using Xilinx System Generator**  
YAMAN S., YILDIRIM M., EROL Y., KÜRÜM H.  
International Symposium on Digital Forensic and Security (ISDFS), Portugal, 07 June 2019
- III. **Determine of Magnetic Properties of the Liquid Magnetic Nanoparticles with Optical Setup**  
YAMAN S., ÖZTÜRK Y.  
International Advanced Researches Engineering Congress-2017, 16 - 18 November 2017
- IV. **Implementation A Low Pass FIR Filter Using XSG**  
ÖZPOLAT E., YAMAN S., GÜLTEN A.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), 27 - 29 October 2017
- V. **High Pass and Band Pass Digital Filters for Simultaneously Designed with Xilinx System Generator**  
ÖZPOLAT E., YAMAN S., EROL Y., GÜLTEN A.  
International Conference on Multidisciplinary, Science, Engineering and Technology (IMESET'17 Bitlis), 25 - 27 October 2017
- VI. **Suppression of the Frequency of AC Electricity in ECG Signal**  
YAMAN S., ÖZPOLAT E., EROL Y., GÜLTEN A.  
International Conference on Multidisciplinary, Science, Engineering and Technology (IMESET'17 Bitlis), 27 - 29 October 2017
- VII. **Relation of the Magnetic properties and linear dichroism on magnetic nanoparticles**  
YAMAN S., ÖZPOLAT E., ÖZTÜRK Y.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 October 2017

## Metrics

Publication: 9

Citation (Scopus): 20

H-Index (Scopus): 2