

## Res. Asst. UĞURHAN KUTBAY

### Personal Information

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### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), Turkey 2012 - 2015

Post Graduate, Gazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), Turkey 2010 - 2012

Under Graduate, Gazi University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2004 - 2009

### Dissertations

Doctorate, Kuarterniyon vektörü kullanılarak elektriksel yer altı haritasının modellenmesi ve analizi, Gazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), 2015

Post Graduate, Sayısal görüntü segmentasyonunda bulanık C-Mean kümelendirmesi ile level set yaklaşımı, Gazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), 2011

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

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

### Courses

Elektrik Mühendisliği Prensipleri, Under Graduate, 2017 - 2018

Computer Programming, Under Graduate, 2017 - 2018

Logic Circuit Design, Under Graduate, 2017 - 2018

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

- I. **Microcontroller-Based Clip Force Reading System for Brain Aneurysms**  
KUTBAY U.  
JOURNAL OF MEDICAL AND BIOLOGICAL ENGINEERING, vol.40, no.5, pp.748-756, 2020 (Journal Indexed in SCI)
- II. **Automated hemangioma detection using Otsu based binarized Kaze features**  
KUTBAY U.  
MULTIMEDIA TOOLS AND APPLICATIONS, vol.79, pp.24781-24793, 2020 (Journal Indexed in SCI)
- III. **A novel comparative study using multi-resolution transforms and convolutional neural network (CNN) for contactless palm print verification and identification**

- HARDALAÇ F., Yasar H., Akyel A., KUTBAY U.  
MULTIMEDIA TOOLS AND APPLICATIONS, vol.79, pp.22929-22963, 2020 (Journal Indexed in SCI)
- IV. **A novel method for robust object tracking with K-means clustering using histogram back-projection technique**  
HARDALAÇ F., KUTBAY U., Sahin I., Akyel A.  
MULTIMEDIA TOOLS AND APPLICATIONS, vol.77, no.18, pp.24059-24072, 2018 (Journal Indexed in SCI)
- V. **Development of a multiprobe electrical resistivity tomography prototype system and robust underground clustering**  
KUTBAY U., HARDALAÇ F.  
EXPERT SYSTEMS, vol.34, no.3, 2017 (Journal Indexed in SCI)
- VI. **A Computer-Aided Diagnosis System for Measuring Carotid Artery Intima-Media Thickness (IMT) Using Quaternion Vectors**  
KUTBAY U., HARDALAÇ F., Akbulut M., Akaslan U., Serhathoglu S.  
JOURNAL OF MEDICAL SYSTEMS, vol.40, no.6, 2016 (Journal Indexed in SCI)
- VII. **The rate of mucosal healing by azathioprine therapy and prediction by artificial systems**  
HARDALAÇ F., BAŞARANOĞLU M., Yuksel M., KUTBAY U., Kaplan M., Ozin Y. O. , Kilic Z. M. Y. , Demirbag A. E. , Coskun O., Aksoy A., et al.  
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.26, no.4, pp.315-321, 2015 (Journal Indexed in SCI)
- VIII. **Analyses of a Cirrhotic Patient's Evolution Using Self Organizing Mapping and Child-Pugh Scoring**  
SERHATLIOĞLU S., HARDALAÇ F., KUTBAY U., Kocaoz O.  
JOURNAL OF MEDICAL SYSTEMS, vol.39, no.2, 2015 (Journal Indexed in SCI)
- IX. **CLASSIFICATION OF DRUG DRUG INTERACTIONS USING JORDAN ELMAN NETWORKS**  
HARDALAÇ F., KUTBAY U.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.29, no.1, pp.149-154, 2014 (Journal Indexed in SCI)
- X. **CT liver tissue segmentation using distance regularized level set evolution based on spatial fuzzy clustering**  
KUTBAY U., HARDALAÇ F.  
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.29, no.2, pp.715-720, 2012 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Hastane Yoğun Bakım Skorlaması İçin Otomasyon Arayüzünün Geliştirilmesi**  
KUTBAY U.  
Fırat Üniversitesi Mühendislik Bilimleri Dergisi, vol.30, no.1, pp.269-275, 2018 (Other Refereed National Journals)
- II. **Cognitive Process Analysis with Turkish Modal Musics**  
HARDALAÇ N., URAL A. B. , KUTBAY U., ÖZÇELİK S.  
Journal of Education and Sociology, vol.6, no.1, pp.149-171, 2015 (Refereed Journals of Other Institutions)
- III. **Cognitive Process Analysis with Turkish Mocal Musics**  
HARDALAÇ N., URAL A. B. , KUTBAY U., ÖZÇELİK S.  
Journal of Education and Sociology, vol.6, no.1, pp.149-171, 2015 (Refereed Journals of Other Institutions)

## Books & Book Chapters

- I. **Partitional Clustering**  
KUTBAY U.  
in: Recent Applications in Data Clustering, PİRİM Harun, Editor, IntechOpen, Londrina, pp.19-34, 2018
- II. **Non Invasive Applications to Detect Gastric Cancer and Brain Tumor**

## Refereed Congress / Symposium Publications in Proceedings

- I. **2-Stage Optical Packaging Quality Control System Design For Dental Implants**  
KUTBAY U.  
ISPEC8th INTERNATIONAL CONFERENCE ON ENGINEERING NATURAL SCIENCES, 12 June - 14 March 2020
- II. **Real Time Surface Angle Measurement of Dental Implants**  
KUTBAY U.  
Araconf 2020-International Conference on Access to Recent Advances in Engineering and Digitalization, Kayseri, Turkey, 5 - 07 March 2020
- III. **A New Combined System Using ANN and Complex Wavelet Transform for Tissue Density Classification in Mammography Images**  
Yasar H., KUTBAY U., HARDALAÇ F.  
4th International Conference on Computer and Technology Applications (ICCTA), İstanbul, Turkey, 3 - 05 May 2018, pp.179-183
- IV. **A Novel Approach for Estimation of Coronary Artery Calcium Score Class Using ANN and Body Mass Index, Age and Gender Data**  
Yasar H., SERHATLIOĞLU S., KUTBAY U., HARDALAÇ F.  
4th International Conference on Computer and Technology Applications (ICCTA), İstanbul, Turkey, 3 - 05 May 2018, pp.184-187
- V. **Patient Diagnosis With ECG Signals Estimation Using Artificial Neural Network**  
HARDALAÇ F., KUTBAY U., Salimitorkamani M.  
International Conference on "Engineering & Technology, Computer, Basic & Applied Science" (ECBA-2016), 5 - 06 January 2016, vol.42, pp.13
- VI. **K MEANS Algoritması Kullanılarak Yeraltı Profilinin Kümelendirilmesi**  
KUTBAY U., URAL A. B. , HARDALAÇ F.  
IEEE SİU-2015: Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Turkey, 16 - 19 May 2015, vol.1, pp.467-470
- VII. **Underground Electrical Profile Clustering Using K-MEANS Algorithm**  
KUTBAY U., URAL A. B. , HARDALAÇ F.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.561-564
- VIII. **Performance Evaluation of Pansharpeneing Methods on GPU for RASAT Images**  
Acikgoz I. S. , Teke M., KUTBAY U., HARDALAÇ F.  
7th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 16 - 19 June 2015, pp.283-288
- IX. **Application of Wireless Motion Tracking**  
HARDALAÇ F., KUTBAY U.  
International Conference on Education in Mechatronics, 23 September 2013, pp.49-52

## Citations

Total Citations (WOS):39

h-index (WOS):4