

## Asst. Prof. YUSUF YARGI BAYDİLLİ

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Karabuk University, Lisansüstü Eğitim Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2014 - 2020

Postgraduate, Karabuk University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2011 - 2014

Undergraduate, Bolu Abant İzzet Baysal University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 2004 - 2009

### Dissertations

Doctorate, Derin öğrenme yöntemleri ile periferik yayma görüntülerinin analizi ve sınıflandırılması, Karabuk University, Lisansüstü Eğitim Enstitüsü, Bilgisayar Mühendisliği (Dr), 2020

Postgraduate, Investigations of Istanbul stock exchange national 100 index (Bist-100) by using data mining and financial network techniques, Karabuk University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), 2014

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Hakkari University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2022 - Continues

Research Assistant, Karabuk University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2011 - 2020

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

- I. Learn from one data set to classify all – A multi-target domain adaptation approach for white blood cell classification**  
BAYDİLLİ Y. Y., Atila U., Elen A.  
Computer Methods and Programs in Biomedicine, vol.196, 2020 (SCI-Expanded)
- II. Classification of DNA damages on segmented comet assay images using convolutional neural network**  
Atila Ü., BAYDİLLİ Y. Y., Sehirli E., Turan M. K.  
Computer Methods and Programs in Biomedicine, vol.186, 2020 (SCI-Expanded)

- III. **Classification of white blood cells using capsule networks**  
BAYDİLLİ Y. Y., Atila Ü.  
Computerized Medical Imaging and Graphics, vol.80, 2020 (SCI-Expanded)
- IV. **Is the world small enough? A view from currencies**  
BAYDİLLİ Y. Y., Türker I.  
International Journal of Modern Physics B, vol.33, no.12, 2019 (SCI-Expanded)
- V. **A hierarchical view of a national stock market as a complex network**  
Baydilli Y. Y., Bayir Ş., Türker I.  
Economic Computation and Economic Cybernetics Studies and Research, vol.51, pp.205-222, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Classification of Pollen-Bearing Honey Bees using MobileNetV2 Architecture**  
Baydilli Y. Y.  
Avrupa Bilim ve Teknoloji Dergisi, vol.0, no.21, pp.527-533, 2021 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Araştırma Alanlarının Anlamsal Benzerlikleri Kullanılarak Bilimsel İşbirliği Ağlarının Oluşturulması**  
Baydilli Y. Y.  
2024 8th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkey, 7 - 09 November 2024, pp.1-6
- II. **Social Network Analysis of Keywords Used in Associate Professorship Applications (In English)**  
**Doçentlik Başvurusunda Kullanılan Anahtar Kelimelerin Sosyal Ağ Analizi (Türkçe)**  
Ertuş G., Baydilli Y. Y.  
32nd IEEE Conference on Signal Processing and Communications Applications, SIU 2024, Mersin, Turkey, 15 - 18 May 2024
- III. **Feature Selection with Artificial Bee Colony Algorithms for Classifying Parkinson's Diseases**  
DURGUT R., BAYDİLLİ Y. Y., AYDIN M. E.  
International Conference on Engineering Applications of Neural Networks, Halkidiki, Greece, 5 - 07 June 2020, pp.338-351
- IV. **Improving classification performance on microscopic images using Generative Adversarial Networks (GAN)**  
BAYDİLLİ Y. Y., ATİLA Ü., AKYOL K.  
International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES 2019), Alanya, Turkey, 26 - 28 April 2019
- V. **Performance Evaluations of Meta-Heuristic Algorithms On Solving Group Elevator Control Problem**  
USTA A., ATİLA Ü., AKYOL K., BAYDİLLİ Y. Y.  
International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES 2019), Alanya, Turkey, 26 - 28 April 2019
- VI. **Understanding effects of hyper-parameters on learning - A comparative analysis**  
BAYDİLLİ Y. Y., ATİLA Ü.  
International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES), 11 - 13 May 2018

## Metrics

Citation (Scopus): 137

H-Index (Scopus): 4