



## ÖĞR. GÖRÜMUT KURAN

### Kişisel Bilgiler

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Birimi : Bilgisayar Bilimleri

Dahili : 1429

### Makaleler (YOKSIS)

- 1 A novel approach for autocorrelation-based classification of environmental audio signals using recurrent network and metaheuristic algorithms**  
ER MEHMET BİLAL, İLHAN NAGEHAN, GÜNER KEMAL, KURAN UMUT  
Signal, Image, and Video Processing, <https://link.springer.com/article/10.1007/s11760-025-04242-0>
- 2 A novel approach for bird sound classification with cross correlation by denoising with complementary ensemble empirical mode decomposition using B-spline and LSTM features**  
ER MEHMET BİLAL, KURAN UMUT, İLHAN NAGEHAN  
Applied Acoustics, <https://www.sciencedirect.com/science/article/pii/S0003682X25000738>
- 3 Classification of Diffusion Constants of Transmitter and Receiver and Distance Between Them Using Mobile Molecular Communication via Diffusion Model**  
ER MEHMET BİLAL, IŞIK İBRAHİM, KURAN UMUT, IŞIK ESME  
Arabian Journal for Science and Engineering, <https://doi.org/10.1007/s13369-024-09221-0>
- 4 Enhanced Disease Detection Using Contrast Limited Adaptive Histogram Equalization and Multi-Objective Cuckoo Search in Deep Learning**  
ÇİĞ HARUN, GÜLLÜOĞLU MEHMET TAHİR, ER MEHMET BİLAL, KURAN UMUT, KURAN EMRE CAN  
Traitement du Signal, <http://dx.doi.org/10.18280/ts.400308>
- 5 Evrişimli Sinir Ağlarında Transfer Öğrenmesi ile GAN tarafından Üretilen Sahte Görüntü Tespiti**  
ECEMİŞ ELMACI ECE, GÜNER KEMAL, KURAN UMUT, KURAN EMRE CAN  
Mühendislik bilimleri ve araştırmaları dergisi (Online),
- 6 Parameter Selection for CLAHE using Multi-objective Cuckoo Search Algorithm for Image Contrast Enhancement**  
KURAN UMUT, KURAN Emre Can  
Intelligent Systems with Applications, <http://dx.doi.org/10.1016/j.iswa.2021.200051>

### Bildiriler (YOKSIS)

- 1 A Hybrid BiLSTM-CRF Model With BERT Embeddings for Named Entity Recognition on Confidential Synthetic Data**  
KURAN Emre Can,ELEN ABDULLAH,KURAN UMUT  
V. International Science and Innovation Congress (INSI) , <https://www.insicongress.com/wp-content/uploads/2024/10/INSI-2024-Proceedings-Book.pdf>
- 2 A Knee X-ray Image Enhancement Method Combining Enhanced Super-Resolution Generative Adversarial Network and Contrast Limited Adaptive Histogram Equalization**  
KURAN Emre Can, KURAN UMUT, ER MEHMET BİLAL  
International Congress of Electrical and Computer Engineering ,  
[https://www.researchgate.net/publication/358751664\\_A\\_Knee\\_X-ray\\_Image\\_Enhancement\\_Method\\_Combining\\_Enhanced\\_Super-Resolution\\_Generative\\_Adversarial\\_Network\\_and\\_Contrast\\_Limited\\_Adaptive\\_Histogram\\_Equalization](https://www.researchgate.net/publication/358751664_A_Knee_X-ray_Image_Enhancement_Method_Combining_Enhanced_Super-Resolution_Generative_Adversarial_Network_and_Contrast_Limited_Adaptive_Histogram_Equalization)
- 3 An Epileptic Seizure Detection Method Based on Classification of Statistical Features Extracted from Electroencephalographic Signals Using Standardized Variable Distances Algorithm**  
ER MEHMET BİLAL, KURAN Emre Can, KURAN UMUT  
International Aegean Scientific Research Symposium 2021 (IASRS'21) ,  
<https://img1.wsimg.com/blobby/go/5c96c881-66df-44cb-9415-33efae60e4e7/UEBAS21%20bildiri%20kitab%C4%B1-0001.pdf>
- 4 Breast Cancer Diagnosis Using Neural Networks with Standardized Variable Distances Algorithm**  
KURAN UMUT,KURAN Emre Can,ER MEHMET BİLAL  
International Congress on Scientific Advances ,  
[https://www.iconsad.org/\\_files/ugd/1dd905\\_5b9acae43f9a41c99b53c71e8e0b1105.pdf](https://www.iconsad.org/_files/ugd/1dd905_5b9acae43f9a41c99b53c71e8e0b1105.pdf)
- 5 Classification of Makam structures in Turkish art music with using artificial neural network**  
ER MEHMET BİLAL, ÇİĞ HARUN, KURAN UMUT  
2017 International Artificial Intelligence and Data Processing Symposium (IDAP) ,  
<http://dx.doi.org/10.1109/idap.2017.8090276>
- 6 Enhancement of Microscopic Images Using Deblurring Generative Adversarial Networks and Exposure Based Sub-Image Histogram Equalization Methods**  
KURAN UMUT, KURAN Emre Can, ER MEHMET BİLAL  
4. International Sciences and Innovation Congress ,  
[https://www.isarconference.org/\\_files/ugd/6dc816\\_38574de3a8de4aba84d40aaab92b5758.pdf](https://www.isarconference.org/_files/ugd/6dc816_38574de3a8de4aba84d40aaab92b5758.pdf)
- 7 Epileptic Seizure Detection via EEG Signals with Feature Extraction Technique Based on Cubic Spline Interpolation (In English)**  
KURAN Emre Can, ER MEHMET BİLAL, KURAN UMUT  
2021 29th Signal Processing and Communications Applications Conference (SIU) ,  
<https://ieeexplore.ieee.org/document/9477895/>
- 8 Gender Determination of Cats by Using Deep Learning on Cat Sound Spectrograms**  
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MAS 16th INTERNATIONAL EUROPEAN CONFERENCE ON MATHEMATICS, ENGINEERING, NATURAL & MEDICAL SCIENCES ,  
[https://www.masjournal.co.uk/\\_files/ugd/614b1f\\_5c6374a57e5d4f6eb61abc41b90745ed.pdf](https://www.masjournal.co.uk/_files/ugd/614b1f_5c6374a57e5d4f6eb61abc41b90745ed.pdf)
- 9 Maximum Curvature Point Based Sub-Image Histogram Equalization for Retinal Image Enhancement**  
KURAN Emre Can, KURAN UMUT  
International Congress on Scientific Advances , [https://5e062a34-a53f-443b-8e22-d1836414e039.filesusr.com/ugd/1dd905\\_a1a564d7e95842ba8108eddd4c5af4fe.pdf](https://5e062a34-a53f-443b-8e22-d1836414e039.filesusr.com/ugd/1dd905_a1a564d7e95842ba8108eddd4c5af4fe.pdf)

**10 Sub-Image Histogram Equalization using Coot Optimization Algorithm for Segmentation and Parameter Selection**

KURAN Emre Can, KURAN UMUT, ER MEHMET BİLAL

Artificial Intelligence and Applications , <http://dx.doi.org/10.5121/csit.2022.120903>

**11 Understanding the Impacts of Multilingualism on the Turkish Language using Search Engines**

AKASLAN DURSUN, KURAN UMUT

The 9th Edition of International Conference ICT for Language Learning , <https://conference.pixel-online.net/ICT4LL/FOE/files/ict4ll/ed0009/FP/3288-MUL2113-FP-ICT4LL9.pdf>