

## 2024 YAYINLARI

### MAKALELER

#### SCI, SCI-Expanded, SSCI ve AHCI Kapsamındaki Dergilerde Yayınlanmış Makaleler

1. MARAŞ, M., ÖZEN, A. (2024). A novel optical OFDM waveform design for visible light communication systems. *Journal of the Faculty of Engineering and Architecture of Gazi University* 39(3), 1907–1915.
2. TENGİZLER, B., ÇALIŞKAN, E.K., GÜLBAZ, A., ÖZEN, A. (2024). Improving the BER and PAPR performances of conventional OFDM waveform with sequential LLWT-PTS-AC method. *Journal of the Faculty of Engineering and Architecture of Gazi University* 39(3), 1837–1848.
3. AYVAZ, E.N., ÖZEN, A. (2024). Improving the performance of non DC biased optical OFDM with lazy lifting wavelet transform. *Photonic Network Communications* 47, 154–163.
4. CETİN, E. (2024). Cogging torque reduction by utilizing the unequal rotor slot arc method for FSPM Machines. *Ain Shams Engineering Journal*, 15(11), <https://doi.org/10.1016/j.asej.2024.103008>.
5. CETİN, E., ZHU, Z.Q. (2024). Rotor pole and stator tooth shaping in FSPM machines for torque performance optimization. *COMPEL - The international journal for computation and mathematics in electrical and electronic engineering*, Vol. ahead-of-print No. ahead-of-print, <https://doi.org/10.1108/COMPEL-05-2023-0175>
6. OBUZ, S., SELİM, E., TATLİCİOĞLU, E., & ZERGEROĞLU, E. (2024). Robust prescribed time control of Euler–Lagrange systems. *IEEE Transactions on Industrial Electronics*.
7. OBUZ, S., ZERGEROĞLU, E., & TATLİCİOĞLU, E. (2024). Adaptive control of A class of nonlinear systems with guaranteed parameter estimation: A concurrent learning based approach. *IET Control Theory & Applications*.
8. OBUZ, S., TATLİCİOĞLU, E., & ZERGEROĞLU, E. (2024). Adaptive Cartesian space control of robotic manipulators: A concurrent learning based approach. *Journal of the Franklin Institute*, 361(6), 106701.
9. GOKYILDIRIM, A., ÇİÇEK, S., CALGAN, H., AKUL, A., (2024). Fractional-order Sprott K chaotic system and its application to biometric iris image encryption. *Computers in Biology and Medicine*, 179, <https://doi.org/10.1016/j.combiomed.2024.108864>
10. SUBRAMANIAN, R., ÇİÇEK, S., AKGUL, A., ADAM, G., KARTHIKEYAN, A., RAJAGOPAL, K., (2024). Dynamical analysis of a quadratic megastable chaotic oscillator and its application in biometric fingerprint image encryption. *Complexity*, Volume 2024, <https://doi.org/10.1155/2024/2005801>
11. BİCER, M. B., & AVSAR AYDIN, E. (2024). Analyzing equilateral triangle compact microstrip antennas using Gaussian process regression for telemedicine and mobile biomedical imaging systems. *Multimedia Tools and Applications*, 83(8), 24435-24465.

12. BULUKLU, H. M., KOCYİĞİT, F. B., & KOSE, E. (2024). Organic Waste as a Soundproofing Material: An Experimental Study. *Journal of Vibration Engineering & Technologies*, 1-23.
13. BOZKURT, H., ÇELİK, Ö., & TEKE, A. (2024). Power quality enhancement in hybrid PV-BES system based on ANN-MPPT. *Turkish Journal of Electrical Engineering and Computer Sciences*, 32(5), 662-681.
14. ADIGUZEL, O., & DEVELİ, I. (2024). Deep learning-based channel estimation for OFDM-IM systems over Rayleigh fading channels. *International Journal of Communication Systems*, e5944.
15. ALCAN, V. (2024). Enhancing age-related postural sway classification using partial least squares-discriminant analysis and hybrid feature set. *Neural Computing and Applications*, 36(10), 5621–5643
16. DUBBELDAM, R., STEMPLEWSKI, R., PAVLOVA, J., CYMA-WEJCHENIG, M., LEE, S., ESSER, P., BENTLAGE, E.M., ALCAN, V., ... & PELCOVA, J. (2024). Technology-assisted physical activity interventions for older people in their home-based environment: a scoping review (Preprint).
17. ALCAN, V. (2024). Effects of Sensory Input Interactions on Components of Nonlinear Dynamics of Postural Sway in Aging. *Journal of Motor Behavior*, 56(3), 356-372.
18. GÖKŞEN, A., İNCE, G., & ALCAN, V. (2024). Electromyographic analysis of the traditional and spin throwing techniques for goalball games related to ball velocity for selected upper extremity muscles. *BMC Sports Science, Medicine and Rehabilitation*, 16(1), 99.

#### Diğer Uluslararası Hakemli Dergilerde Yayınlanmış Araştırma Makaleleri

1. ÇETİN, E. (2024). The Effects of the Unequal Rotor Slot Arc on Cogging Torque for Flux Switching Permanent Magnet Machines. *El-Cezeri Journal of Science and Engineering*, 11(1), pp. 74–81, 2024, doi: 10.31202/ecjse.1347168.
2. ELİBOL SECİL, G., OBUZ, S., & PARLAKTUNA, O. (2024). Position control of input-delayed mobile manipulator. *International Journal of Dynamics and Control*, 1-19.
3. BULUKLU, H. M., KÖSE, E., & KOÇYİĞİT, F. B. (2024). A Modeling Approach for Designing New Acoustic Materials. *Gazi University Journal of Science*, 37(3), 1022-1040.
4. KAHVECİ, A., CENGİZ, B. C., ALCAN, V., GÜRSES, S., & ZİNNUROĞLU, M. (2024). The effect of foot somatosensory loss in postural control during Functional Reach Test in patients with diabetic polyneuropathy: A controlled study. *The Foot*, (59), 102097–0.
5. AKSUN, K., & ALCAN, V. (2024). Awareness and attitudes towards infectious diseases among teachers and administrators Evaluation of health-related school program and practices. *Infection, Disease & Health*, 29(2), 91–106.

#### ULAKBİM TR Dizin Tarafından Taranan Ulusal Hakemli Dergilerde veya Diğer Ulusal Hakemli Dergilerde Yayınlanmış Makaleler

1. TÜFEK, Z., ÇETİN, E., (2024). Sabit miknatıslı senkron motorlarda yeni eğilimler. *BJEA*, 3(1), pp. 84–92.

#### TEBLİĞ (BİLDİRİ)

## Uluslararası Bildiriler

1. YİĞİT, U., SAKA, I., **OBUZ, S.**, TATLİCİOĞLU E., (2024). Enhancing Transient Stability of Power Systems via Incorporating Energy Storage Systems. *International IDU Engineering Symposium-IES'24*.
2. DALYAN, T., SAKA, I., **OBUZ, S.**, TATLİCİOĞLU E., (2024). Distributed Sliding Mode Control Strategy for Transient Stability in Cyber Physical Power Systems. *International IDU Engineering Symposium-IES'24*.
3. **ADIGÜZEL, Ö.**, DEVELİ, İ. (2024). Channel Estimation with Deep Learning for OFDM-IM Systems under Nakagami-m Fading Channel Conditions. *3rd International Conference on Engineering, Natural and Social Sciences*.
4. **BOZKURT, H.**, ZOR, K., BULUŞ, K., ÇELİK, Ö.(2024). Machine learning-based classification for electricity theft detection in distribution systems. *19th Conference on Sustainable Development of Energy, Water and Environment Systems*.
5. **BOZKURT, H.**, TİMUR, O. (2024). Hybrid AC-DC Smart Grid Control Overview, Current Status and Future Perspectives. *7. International Ankara Multidisciplinary Studies Congress*.
6. **ALCAN, V.**, ÇEKOK, F. K., & GÖKŞEN, A. (2024). Quantitative Evaluation of Physical Activity Impact on Myoelectric Activities in Leg and Foot Muscles During Dynamic Balance Tests in the Elderly . *Presented at the EGRAPA (The European Group for Research on Aging and Physical Activity ) Conference 2024*, Kaunas.
7. DUBBELDAM, R., STEMPLEWSKI, R., PAVLOVA, J., CYMA-WEJCHENİG, M., ESSER, P., MARİON BENTLAGE, E., **ALCAN, V.**, ... PELCLOVÁ, J. (N.D.). Technology-assisted physical activity interventions for older people in their home-based environment a scoping review. *Presented at the EGRAPA (The European Group for Research on Aging and Physical Activity ) Conference 2024*, Kaunas.
8. **ALCAN, V.**, & Şeker, M. (2024). Yüz Mimik Kaslarına Ait Yüzey Elektromyografi Sinyallerinin Tutarlılık Analizleri Coherence Analysis of Surface Electromyography Signals of Facial Mimic Muscles . *Presented at the 32. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı*, Tarsus.
9. İLHAN, M., & **ALCAN, V.** (n.d.). Tai Chi nin Nöromusküler Faydalarının Yürüyüş ve Yüzey EMG sini Analiz Ederek Çift Görev Altında Araştırılması. *Presented At The I. Ulusal Toros Üniversitesi Fizyoterapi Ve Rehabilitasyon Sempozyumu*, Mersin.
10. **ALCAN, V.**, & ÇEKOK, F. K. (2024). Diz Rehabilitasyonu İçin Bir Mekanizma Olarak Ayak Bileği ve Ayak Parmakları Kas KoKontraksiyonunun Araştırılması. *Presented At The I. Ulusal Toros Üniversitesi Fizyoterapi Ve Rehabilitasyon Sempozyumu*, Mersin.
11. CYMA-WEJCHENIG, M., LEE, S., PAVLOVA, I., MORAIS, A. I., **ALCAN, V.**, KARA, I., & STEMPLEWSKI, R. (2024). Recruitment Strategies for Engaging Older Adults in Physical Activity and Technology-Based Health Programs: A Systematic Review Protocol. *EGRAPA (The European Group for Research on Aging and Physical Activity ) Conference*.

## KİTAP

### Kitap Bölümü

- KÖSE, E.** (2024). Yapay Zeka Mühendisliği 1: Temel Konular, Bölüm Adı: Robotik Özellikler ve Kontrol Mühendisliği Uygulamaları. *Papatya Yayıncılık, 1*, 262-290.