2021 PUBLICATIONS

ARTICLE

Articles Published in Journals (Indexed in SCI, SCI-Expanded, SSCI and AHCI)

1. Dougherty, S. T., Korban, A., Şahinkaya, S., & **Üstün, D**. (2021). Additive skew G-codes over finite fields. *Applicable Algebra in Engineering, Communication and Computing*, 1-20.

2. Dougherty, S. T., Korban, A., Şahinkaya, S., & **Üstün, D**. (2021). Group matrix ring codes and constructions of self-dual codes. *Applicable Algebra in Engineering, Communication and Computing*, 1-21.

3. Şahinkaya, S., & **Üstün, D.** (2021). Approaching the Minimum Distance Problem by Algebraic Swarm-Based Optimizations. *Turkish Journal of Mathematics and Computer Science*, *13*(1), 129-134.

4. Korban, A., Sahinkaya, S., & **Üstün, D.** (2021). New Type I Binary [72, 36, 12] Self-Dual Codes from Composite Matrices and R1 Lifts.

5. **Üstün, D.**, Toktas, F., & Toktas, A. (2021). An optimized surrogate model using differential evolution algorithm for computing parameters of antennas. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, e2951.

6. Korban, A., Şahinkaya, S., & **Üstün, D.** (2021). New singly and doubly even binary 72 36 12 self-dual codes from M2 R G - group matrix rings. Finite Fields and Their Applications, 76, 1–20.

7. **Üstün, D.,** & Toktas, F. (2021). Surrogate-based computational analysis and design for H-shaped microstrip antenna. *Journal of Electromagnetic Waves and Applications*, *35*(1), 71-82.

8. **Yücelbaş, Ş.**, Erduman, A., Yücelbaş, C., & Yildiz, F. (2021). Pre-estimation of Distance-Based Lightning Using Effective Meteorological Parameters. Arabian Journal for Science and Engineering, 46(2), 1529-1539.

Articles Published in Journals (Indexed in ULAKBIM TR Index or Other National Refereed Journals)

1. **Şenol, A**., Canbay, Y., & Mahmut, K. A. Y. A. Trends in Outbreak Detection in Early Stage by Using Machine Learning Approaches. Bilişim Teknolojileri Dergisi, 14(4), 355-366.

BOOK / BOOK CHAPTER

1. **Üstün, D.**, Çarbaş S.,Toktaş A., (2021). Applications of BAT Algorithm and its Variants Edition: 1, Bölüm Adı: Multi-objective Optimization of Engineering Design Problems Through Pareto-Based Bat Algorithm, Yayın Yeri: Springer Singapore, Editör: Nilanjan Dey, V. Rajinikanth, Basım sayısı: 1, Bölüm Sayfası: 25, ISBN: 978- 981-15-5096-6.

2. Toktaş A.,**Üstün D.**,Çarbaş S., (2021). Applications of Flower Pollination Algorithm and its Variants, Bölüm Adı: Applications of Flower Pollination Algorithm and its Variants, Yayın Yeri: Springer Singapore, Editör: Dey, Nilanjan, Basım sayısı: 1, Bölüm Sayfası: 230, ISBN: 2524-552X.

3. Çarbaş S., Toktaş A., **Üstün D.**, (2021) Nature-Inspired Metaheuristic Algorithms for Engineering Optimization Applications., Bölüm Adı: Introduction and Overview: Nature-Inspired Metaheuristic Algorithms for Engineering Optimization Applications, Yayın Yeri: Springer, Editör: Carbas, S., Toktas, A. ve **Üstün, D.**, Basım sayısı: 1, Bölüm Sayfası: 415, ISBN: 978-981-33-6772-2.

4. Çarbaş S.,Toktaş A.,**Üstün D.**, (2021) Nature-Inspired Metaheuristic Algorithms for Engineering Optimization Applications., Yayın Yeri: Springer, Editör: Carbas, S., Toktas, A. ve **Üstün, D.**, Basım sayısı: 1, Bölüm Sayfası: 340, ISBN:978-981-336-772- 2.

5. Çarbaş S., **Üstün D.**, Toktaş A., (2021). Advances in Structural Engineering— Optimization: Emerging Trends in Structural Optimization, Bölüm Adı: Design optimization of multi-objective structural engineering problems via artificial bee colony algorithm, Yayın Yeri: Springer International Publishing, Editör: Nigdeli, S.M., Bekdaş, G., Kayabekir, A.E., Yucel, M, Basım sayısı: 1, Bölüm Sayfası: 333, ISBN: 978-3-030-61847-6.

6. **Şenol A.**, (2021). Herkes için Genetik Algoritma, Bölüm Adı: Genetik Algoritma Tabanlı Makine Öğrenmesi Yöntemleri, Yayın Yeri: Nobel Akademik Yayıncılık, Editör: Aktürk, C., Basım sayısı: 1, Bölüm Sayfası: 50 -85, ISBN: 9786254394737.

7. **Şenol A.**, Aktürk C., Özkat E. C., Atik İ., Vural M. S., Elibol M., Akgün M., Demirbilek M., Kotan S.,(2021). Herkes için Genetik Algoritma, Bölüm Adı: Genetik Algoritmanın Temelleri, Yayın Yeri: Nobel Akademik Yayıncılık, Editör: Aktürk, C., Basım sayısı: 1, Bölüm Sayfası: 1-35, ISBN: 978-625-439-473-7.

8. **Yücelbaş Ş.**, (2021). Machıne Learning, Energy And Industrial Applications In Technology And Engineerıng Sciences, Bölüm Adı:Identification Of Myocardial Infarction Disease Using Effective Machine Learning Methods., Yayın Yeri: IKSAD International Publishing House, Editör: **Yücelbaş, Ş.**, Basım Sayısı:1, Bölüm Sayfaları: 81 -98 , ISBN:978-625-7562-47-8.

9. Yücelbaş C., **Yücelbaş Ş.**, Erol G., Uzbaş B., (2021). Experimental And Numerical Advances In Science, Engineering And Technology, Bölüm Adı:Investigation Of The Effects Of Pca, Pls, And Lda Methods On Covıd-19 Diagnosis Using Adaboostrf Classifier, Yayın Yeri: IKSAD International Publishing House, Editör: Şener, R., Basım Sayısı:1, Bölüm Sayfaları: 45-62 , ISBN:978-625-7636-73-5.

PROCEEDINGS

Full-Text Research Papers Presented Orally at an National / International Scientific Event Regularly Held (Conference, Symposium or Congress) and Published in an Procedings Book

1. **Şenol, A.**, Talan, T., & Aktürk, C. (2021). A research on university students awareness of cyber security Case study of password usage. Presented at the TOKYO SUMMIT-III 3rd international conference on innovative studies of contemporary sciences, TOKYO.

2. Aktürk, C., **Şenol, A.**, & Talan, T. (2021). Cloud Computing Technology during Covid-19 Pandemic. Presented at the International Asian Congress on Contemporary Sciences-V, Nakhchivan.

3. **Şenol, A.**, Talan, T., & Aktürk, C. (2021). A Research on University Students Awareness of Cyber Security Case Study of Password Usage. Presented at the TOKYO SUMMIT-III 3rd International Conference on Innovative Studies of Contemporary Sciences, Tokyo.

4. Aktürk, C., **Şenol, A.**, & Talan, T. (2021). Cloud computing technology in the Covid-19 pandemic process. Presented at the International Asian Congress on Contemporary Sciences-V .

5. **Mengutaycı, Ü.**, & Temurtaş, H. (2021). Classification Of Turkish Hotel Reviews By Artificial Neural Networks. International Black Sea Coastline Countries Scientific Research Symposium - VI, 28-30 Nisan, Giresun, Türkiye, ss. 683-687.

Abstract-Text Research Papers Presented Orally at an National / International Scientific Event Regularly Held (Conference, Symposium or Congress) and Published in an Procedings Book

1. Yücelbaş, C., **Yücelbaş, Ş.**, Erol, G., & Uzbaş, B. (2021). Investigation Of The Effects Of Pca Pls And Lda Methods On Covid-19 Diagnosıs Using Adaboost Classifier. Presented At The Hodja Akhmet Yassawi 4th International Conference On Scientific Research, Ankara.