

2022 PUBLICATIONS

ARTICLE

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

1. **Üstün, D.**, Toktaş, F., & Toktaş, A. (2022). An optimized surrogate model using differential evolution algorithm for computing parameters of antennas. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, 35, 0–0.
2. Dougherty, S., Şahinkaya, S., & **Üstün, D.** (2022). Additive Complementary Dual Codes from Group Characters. *IEEE Transactions on Information Theory*, 0–0.
3. **Üstün, D.**, Toktaş, A., Erkan, U., & Akdağlı, A. (2022). Modified artificial bee colony algorithm with differential evolution to enhance precision and convergence performance. *Expert Systems with Applications*, 198, 1–14.
4. Erkan, U., Toktaş, A., & **Üstün, D.** (2022). Hyperparameter optimization of deep CNN classifier for plant species identification using artificial bee colony algorithm. *Journal of Ambient Intelligence and Humanized Computing*, 0–0.
5. Şahinkaya, S., Korban, A., & **Üstün, D.** (2022). Maximal entanglement-assisted quantum error correction codes from the skew group ring $\mathbb{F}_4 \rtimes_{\varphi} G$ by a heuristic search scheme. *Quantum Information Processing*, 21, 1–19.
6. Korban, A., Şahinkaya, S., & **Üstün, D.** (2022). A novel genetic search scheme based on nature-inspired evolutionary algorithms for binary self-dual codes. *Advances in Mathematics of Communications*, 0–0.
7. Korban, A., Şahinkaya, S., & **Üstün, D.** (2022). Reversible G^k -codes with applications to DNA codes. *Designs, Codes and Cryptography*, 0–0.
8. Korban, A., Şahinkaya, S., & **Üstün, D.** (2022). New type I binary [72,36,12] self-dual codes from $M_6(F_2)G$ - Group matrix rings by a hybrid search technique based on a neighbourhood-virus optimisation algorithm. *Advances in Mathematics of Communications*, 0–0.
9. **Yücelbaş, Ş.**, & Yücelbaş, C. (2022). Autism spectrum disorder detection using sequential minimal optimization-support vector machine hybrid classifier according to history of jaundice and family autism in children. *Concurrency and Computation: Practice and Experience*, 34(1), e6498.
10. **Şenol, A.** (2022). Viasckde Index A Novel Internal Cluster Validity Index for Arbitrary-Shaped Clusters Based on the Kernel Density Estimation. *Computational Intelligence and Neuroscience*, 0–0.

11. **Baydoğan, V. C., & Alataş, B.** (2022). Deep-Cov19-Hate A Textual-Based Novel Approach for Automatic Detection of Hate Speech in Online Social Networks throughout COVID-19 with Shallow and Deep Learning Models. *Tehnički Vjesnik - Technical Gazette*, 29(1), 149–156.

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

1. Dougherty, S., Korban, A., Şahinkaya, S., & **Üstün, D.** (2022). Binary self-dual and LCD codes from generator matrices constructed from two group ring elements by a heuristic search scheme. *Advances in Mathematics of Communications*, 0, 0–0.