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Yüksek Lisans 2009 31/Ocak/2012	Islamic Azad University - Qazvin BİLGİSAYAR MÜHENDİSLİĞİ Tez adı: Using Skeleton of Polygon on Euclidean Steiner Tree Problem (2023) Tez Danışmanı:(DR. ÖĞR. ÜYESİ ALİ NOUROLLAH)
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Akademik Görevler

DOKTOR ÖĞRETİM ÜYESİ 02.08.2022	İSTANBUL GELİŞİM ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/YAZILIM MÜHENDİSLİĞİ BÖLÜMÜ
DOKTOR ÖĞRETİM ÜYESİ 01.02.2019-01.08.2022	İSTANBUL GELİŞİM ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ

İdari Görevler

Bölüm Başkan Yardımcısı 27.10.2022	İSTANBUL GELİŞİM ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/YAZILIM MÜHENDİSLİĞİ BÖLÜMÜ
Erasmus Koordinatörü 01.01.2021	İSTANBUL GELİŞİM ÜNİVERSİTESİ/MÜHENDİSLİK-MİMARLIK FAKÜLTESİ/BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ

Dersler *

Öğrenim Dili Ders Saati

2022-2023

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Eserler

Uluslararası hakemli dergilerde yayımlanan makaleler:

1. PASHAEI ELNAZ, PASHAEI ELHAM (2023). Hybrid binary COOT algorithm with simulated annealing for feature selection in high-dimensional microarray data. Springer Science and Business Media LLC, 35(1), 353-374., Doi: 10.1007/s00521-022-07780-7 (Yayın No: 7799582)
2. PASHAEI ELNAZ, PASHAEI ELHAM (2023). Gaussian quantum arithmetic optimization-based histogram equalization for medical image enhancement. Springer Science and Business Media LLC, Doi: 10.1007/s11042-023-15025-5 (Yayın No: 8300709)
3. PASHAEI ELNAZ, PASHAEI ELHAM (2023). A fusion approach based on black hole algorithm and particle swarm optimization for image enhancement. Springer Science and Business Media LLC,

Uluslararası hakemli dergilerde yayımlanan makaleler:

- 82(3), 297-325., Doi: 10.1007/s11042-022-13275-3 (Yayın No: 7708034)
4. PASHAEI ELHAM (2022). Mutation-based Binary Aquila optimizer for gene selection in cancer classification. *Computational Biology and Chemistry*, 101, 1-16., Doi: 10.1016/j.compbiolchem.2022.107767 (Yayın No: 7789453)
 5. PASHAEI ELHAM, PASHAEI ELNAZ (2022). Hybrid binary arithmetic optimization algorithm with simulated annealing for feature selection in high-dimensional biomedical data. *The Journal of Supercomputing*, 78(13), 15598-15637., Doi: 10.1007/s11227-022-04507-2 (Yayın No: 7676249)
 6. TUNAY MUSTAFA, PASHAEI ELNAZ, PASHAEI ELHAM (2022). Hybrid Hypercube Optimization Search Algorithm and Multilayer Perceptron Neural Network for Medical Data Classification. *Computational Intelligence and Neuroscience*, 2022, 1-16., Doi: 10.1155/2022/1612468 (Yayın No: 7650229)
 7. PASHAEI ELNAZ, PASHAEI ELHAM (2022). An efficient binary chimp optimization algorithm for feature selection in biomedical data classification. *Springer Science and Business Media LLC*, 34(8), 6427-6451., Doi: 10.1007/s00521-021-06775-0 (Yayın No: 7543171)
 8. ÖZTÜRK ÖMER FARUK, PASHAEI ELHAM (2021). Konuşmalardaki duygunun evrimsel LSTM modeli ile tespiti. *Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi*, 12(4), 581-589., Doi: 10.24012/dumf.1001914 (Yayın No: 7240356)
 9. PASHAEI ELNAZ, PASHAEI ELHAM (2021). Gene selection using hybrid dragonfly black hole algorithm: A case study on RNA-seq COVID-19 data. *Analytical Biochemistry*, 627, 1-22., Doi: 10.1016/j.ab.2021.114242 (Yayın No: 7076667)
 10. PASHAEI ELHAM, PASHAEI ELNAZ (2021). Training Feedforward Neural Network Using Enhanced Black Hole Algorithm: A Case Study on COVID-19 Related ACE2 Gene Expression Classification. *Arabian Journal for Science and Engineering*, 46(4), 3807-3828., Doi: 10.1007/s13369-020-05217-8 (Yayın No: 6918850)
 11. PASHAEI ELNAZ, PASHAEI ELHAM, AYDIN NİZAMETTİN (2019). Gene selection using hybrid binary black hole algorithm and modified binary particle swarm optimization. *Genomics*, 111(4), 669-686., Doi: 10.1016/j.ygeno.2018.04.004 (Yayın No: 5272215)
 12. PASHAEI ELHAM, AYDIN NİZAMETTİN (2018). Markovian encoding models in human splice site recognition using SVM. *Computational Biology and Chemistry*, 73, 159-170., Doi: 10.1016/j.compbiolchem.2018.02.005 (Yayın No: 5271924)
 13. PASHAEI ELNAZ, PASHAEI ELHAM, AHMADY MARYAM, ÖZEN MUSTAFA, AYDIN NİZAMETTİN (2017). Meta-analysis of miRNA expression profiles for prostate cancer recurrence following radical prostatectomy. *PLOS ONE*, 12(6), 1-23., Doi: 10.1371/journal.pone.0179543 (Yayın No: 6110379)
 14. PASHAEI ELHAM, ÖZEN MUSTAFA, AYDIN NİZAMETTİN (2016). Splice site identification in human genome using random forest. *Health and Technology*, 7(1), 141-152., Doi: <https://doi.org/10.1007/s12553-016-0157-z> (Yayın No: 6110315)

B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitaplarında (proceedings) basılan bildiriler :

1. PASHAEI ELHAM (2021). Medical Image Enhancement using Guided Filtering and Chaotic Inertia Weight Black Hole Algorithm. 2021 5th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), 37-42., Doi: 10.1109/ISMSIT52890.2021.9604701 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:7282541)
2. PASHAEI ELNAZ, PASHAEI ELHAM (2020). Gene Selection for Cancer Classification using a New Hybrid of Binary Black Hole Algorithm. 2020 28th Signal Processing and Communications Applications Conference (SIU), 1-4., Doi: 10.1109/SIU49456.2020.9302351 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:6901485)
3. PASHAEI ELNAZ, PASHAEI ELHAM, AYDIN NİZAMETTİN (2020). Hybrid Krill Herd Algorithm with Particle Swarm Optimization for Image Enhancement. International Conference on Intelligent and Fuzzy Systems(INFUS 2020): Intelligent and Fuzzy Techniques: Smart and Innovative Solutions, 1197, 1431-1439., Doi: 10.1007/978-3-030-51156-2_166 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:6367702)
4. PASHAEI ELHAM, PASHAEI ELNAZ (2019). Gene Selection using Intelligent Dynamic Genetic Algorithm and Random Forest. 2019 11th International Conference on Electrical and Electronics Engineering (ELECO), 470-474., Doi: 10.23919/ELECO47770.2019.8990557 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:6065934)
5. PASHAEI ELHAM, AYDIN NİZAMETTİN (2017). Frequency difference based DNA encoding methods in human splice site recognition. 2017 INTERNATIONAL CONFERENCE ON COMPUTER SCIENCE AND ENGINEERING (UBMK), 586-591., Doi: 10.1109/UBMK.2017.8093471 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:6067331)
6. PASHAEI ELHAM, YILMAZ ALPER, AYDIN NİZAMETTİN (2016). A combined SVM and Markov model approach for splice site identification. 2016 6TH INTERNATIONAL CONFERENCE ON COMPUTER

AND KNOWLEDGE ENGINEERING (ICCKE), 200-204., Doi: 10.1109/ICCKE.2016.7802140 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:6067333)

7. PASHAEI ELHAM, YILMAZ ALPER, ÖZEN MUSTAFA, AYDIN NİZAMETTİN (2016). Prediction of splice site using AdaBoost with a new sequence encoding approach. 2016 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC), 3853-3858., Doi: 10.1109/SMC.2016.7844835 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:6067338)
8. PASHAEI ELHAM, YILMAZ ALPER, ÖZEN MUSTAFA, AYDIN NİZAMETTİN (2016). A novel method for splice sites prediction using sequence component and hidden Markov model. 2016 38TH ANNUAL INTERNATIONAL CONFERENCE OF THE IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY (EMBC), 3076-3079., Doi: 10.1109/EMBC.2016.7591379 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:6067339)
9. PASHAEI ELHAM, ÖZEN MUSTAFA, AYDIN NİZAMETTİN (2016). Random Forest in Splice Site Prediction of Human Genome. XIV MEDITERRANEAN CONFERENCE ON MEDICAL AND BIOLOGICAL ENGINEERING AND COMPUTING 2016, 57, 518-523., Doi: 10.1007/978-3-319-32703-7_100 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:6067342)
10. PASHAEI ELHAM, ÖZEN MUSTAFA, AYDIN NİZAMETTİN (2016). Splice sites prediction of human genome using AdaBoost. 2016 3RD IEEE EMBS INTERNATIONAL CONFERENCE ON BIOMEDICAL AND HEALTH INFORMATICS, 300-303., Doi: 10.1109/BHI.2016.7455894 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:6067340)
11. PASHAEI ELHAM, NOUROLLAH ALI, BAGHERI ALIREZA (2012). A heuristic algorithm for Euclidean Steiner Minimal Tree inside simple polygon. 2012 IEEE International Conference on Computer Science and Automation Engineering (CSAE), 76-80., Doi: 10.1109/CSAE.2012.6272552 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:6067346)