

Dr. Muhammad Ishaq

List of Publications:

1. **M Ishaq**, Asfandyar Khan, Majid Khan, Muhammad Imran. **Current Trends and Ongoing Progress in the Computational Alignment of Biological Sequences**. IEEE Access Transaction, Vol 7 pp 68380 – 68391, 10 May 2019.
2. Javed Iqbal Bangash, Asfandyar Khan, Muhammad Ishaq, MuhammadImran. **A Dynamic Swift Association Scheme For Wireless Body Area Networks**, Transactions On Emerging Telecommunications Technologies <https://doi.org/10.1002/ett.3724>.
3. Abdullah Khan, Junaid Bukhari, Javed Iqbal Bangash, Asfandyar Khan, Muhammad Imran, Muhammad Asim, Muhammad Ishaq Arshad Khan. **Optimizing Connection Weights of Functional Link Neural Network Using APSO Algorithm for Medical Data Classification**, Journal of King Saud University -Computer and Information Sciences.<https://doi.org/10.1016/j.jksuci.2020.10.018>.
4. Muhammad Ishaq, Akhtar Hussain, Javed Iqbal Bangash, Abdullah Khan, Muhammad Asim, **Web Accessibility Evaluation of Open Educational Learning Contents for Individuals with Learning Disabilities**, Submitted to Journal of Learning Disabilities.
5. **MI Afridi**. **Novel Hybrid Genetic Algorithm for Progressive Multiple Sequence Alignment**, International Journal of Bioinformatics research and applications (IJBRA), Vol.9, No.6, pp.614 – 624, 2013.
6. **Muhammad Ishaq Afridi**, Gui Sheng Yin. **Structure Based Protein Multiple Sequence Alignment Algorithm on a Parallel System**. International Journal of Machine Learning and Computing (IJMLC), Vol. 2, No. 1, February 2012.
7. **Muhammad Ishaq Afridi**. **Cognition in a Cognitive Routing System for Mobile Ad-hoc Network through Learning Automata and Neural Network**, Journal of Applied mechanics and materials, Volume 421.694,Pages 694-700,September 2013.
8. **Muhammad Ishaq**,Arshad Khan, Javed Iqbal Bangash, **Optimal Dynamic Programming based task scheduling for Parallel Multiple Sequence Alignment**. Advances in Bioinformatics(ISI indexed)
9. **Muhammad Ishaq**, Abdullah, Muhammad Asim, **Comparative role and features analysis of relational and linked databases..** Under review.

10. **Muhammad Ishaq**, Arshad Khan, Javed Iqbal Bangash, Abdullah, Muhammad Asim, **Framework for the development and analysis of Natural language ontologies**. Under review

Conference Proceeding:

1. Attended Online Conference on the **Frontiers of Swarm Robot Research**. Beijing University November 7-8 2020.
2. **Framework for Natural Language (Urdu based) Ontology (NLO), Plenary/keynote at 3rd National Conference of Computer Science and Information Technology (NCCSIT) 2019 At Lahore Garrison University Pakistan. April 24 2019.**
3. **MI Afridi. Selection and ranking of optimal routes through genetic algorithm in MANET**, IEEE Computer Society Fifth International Symposium on Computational Intelligence and Design (ISCID), Hangzhou China, pages 507-510, 2012. (IEEE, EI)
4. **MI Afridi, Gui Sheng Yin. Novel Gene finding through BLAST search. Phylogenetic analysis through MEGA**, 2011 International Conference on Computer Science and Network Technology (ICCSNT), Page(s): 115 – 119, Harbin China 2011. (IEEE, EI).
5. **Muhammad Ishaq Afridi, Yin Gui Sheng. Nucleic Acid and Protein Sequence alignment Methods and algorithms. Current progress and Next Generation sequencing or future trends**. 5th International Conference on Advanced Computer Theory and Engineering, (ICACTE 2012), Chapter 43,pages 10, Cape Town South Africa, September 2012.(ASME,EI)
6. **Muhammad Ishaq Afridi, Yin Gui Sheng. Parallelization of Structure based Protein Multiple Sequence alignment algorithm**. 5th International Conference on Advanced Computer Theory and Engineering, (ICACTE 2012), Chapter 36,pages 6, Cape Town South Africa, September 2012.(ASME,EI).