RESEARCH INTEREST:

Computation in the field of artificial intelligence, artificial neural networks, fuzzy system, computer vision, image processing, man-machine interaction and various machine learning techniques to solving medical and scientific related problems.

PUBLICATIONS:

- Idoko John Bush, Kamil Dimililer. Static and Dynamic Pedestrian Detection Algorithm for Visual Based Driver Assistive System. ITM Web of Conferences 9, 03002 (2017).

- Abdulkader Helwan, Dilber Uzun Ozsahin, Rahib Abiyev, John Bush. One-Year Survival Prediction of Myocardial Infarction. International Journal of Advanced Computer Science and Applications, Vol. 8, No. 6, 2017 173-178.

- Kamil Dimililer, Idoko John Bush. Automated Classification of Fruit Using Pawpaw as Case Study (accepted and registered in ICMMI indexed in springer, awaiting publication).

- Abdulkader Helwan, Idoko John Bush, Rahib Abiyev. Machine Learning Techniques for Classification of Breast Tissue (accepted at the 9th International Conference on Theory and Application of Soft Computing, Computing with Words and Perception, 24-25 August 2017, Budapest, Hungary indexed in Elsevier, awaiting publication).

ONGOING PROJECTS:

- Idoko John Bush, Rahib Abiyev, Abdulkader Helwan. Integrated Artificial Intelligence Algorithms for Skin Detection.

- Idoko John Bush, Rahib Abiyev. Multi-input Multi-output Fuzzy Neural Network based on Takagi-Sugeno-Kang (TSK) type rule for the classification of erythemato-squamous diseases.

- Idoko John Bush, Rahib Abiyev. Chronic Kidney Disease Prediction Using Adaptive Neuro Fuzzy Inference System (ANFIS).