Curriculum Vitae (CV)

Full Name: Mohamed Abou Seree Aouf Mohamed

Personal Information:

Academic Rank: Associate Professor

Department: Biomedical **Engineering**

Specialization: DIGITAL SIGNAL PROCESSING

Position: head of Biomedical Eng. Dept.

Google Scholar: ---

Research Gate: ---

ORCID Record: ---

Scopus ID: --------------------------

Email   maoufmedical@yahoo.com

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Education:

Degree	Discipline	Institution	Year
Ph.D.	Biomedical Engineering	Cairo University	2015
M.Sc.	Biomedical Engineering	Cairo University	2010
B.Sc.	Biomedical Engineering		2001

Academic Experience:

Institution: Higher Technological Institute, 10th of Ramadan City, Biomedical Engineering Dep.

Rank: Lecturer assistant

Dates: 2011 – 2016

Institution: Higher Technological Institute, 10th of Ramadan City, Biomedical Engineering Dep.

Rank: Lecturer

Dates: 2016 – 2021

Institution: Higher Technological Institute, 10th of Ramadan City, Biomedical Engineering Dep.

Rank: Assistant Professor

Dates: 2022

Research interests:

- Signal Processing.
- -wavelet implementation
- -Signal,Image and video processing

Publications:

- Mohamed Aouf, Sherief Samy and Amr sharawy "Pseudo Body Surface Potential Mapping on Heart Using 3D Wavelet Transform *"International Journal of Computer Applications (0975 – 8887) Volume 80– No.8, 2013.*

- 2-Mohamed Aouf ,Mohamed Salem and Amr Sharawy" Using Wavelet Transform For Cardiac Mapping De-noising Of Heart Anterior Surface Ischemia" *International Journal of Intelligent Computing and Information Science, 2015 .*

- *3-* Mohamed Aouf, Sherief Samy and Amr sharawy "Pseudo Body Surface Potential Mapping on Human Thoracic" International Journal of Computer Applications (0975 – 8887) Volume 162 – No 12, March 2017

- 4-Amr A. Sharawy, Kamel K. Mohammed, Mohamed Aouf, and Mohammed A.-M. Salem ''Ultrasound Transducer Quality Control and Performance Evaluation Using Image Metrics'' Proceedings of the International Conference on Advanced Intelligent Systems and Informatics 2018

- 5-Amr A. Sharawi, Mohamed Aouf, Ghada Kareem, and Abdelhaleim H. Elhag Osman '' Sensitivity Improvement of Micro-diaphragm Deflection for Pulse Pressure Detection '' Proceedings of the International Conference on Advanced Intelligent Systems and Informatics 2018

- 6- Amr A.Sharawi, Kamel K.Mohamed, Mohamed Aouf"Objective Quality Control Program for medical Ultrasound Scanning " journal of el Azhar Engineering Sector ,ISSN:1110-6409,2018

- 7- Amr A.Sharawi, Kamel K.Mohamed, Mohamed Aouf " Using Image Metrics for ultrasound Quality Control and Performance Evaluation of ultrasound Transducer ", Engineering Research Journal ,Faculty of Eng. shoubra journal,2018

- 8-Mohamed Aouf, and Ghada Kareem **,"** GLAUCOMA DIAGONSIS FCM_TK ALGORITHM BASED ON   FUNDS CAMERA" International Journal of Intelligent Computing and Information Sciences Jan 2019

- 9-Dalia Ali, Ghada Kareem ,Mohamed Aouf, M.fouad,"Diabetic Exudate Detection in color Retinal Images "international journal of computers and technology ,19,7510-7518, June 2019

- 10- Mohamed Aouf,Amr sharawy ,Khaled Samir,Sultan Almotairi,Abdulla Bajahzar,Ghada Kareem ,"Gene Expression Data for Gene Selection Using Ensemble Feature Selection" ninth IEEE International Conference on Intelligent Computing and Information System ,Cairo,Egypt December 2019

- 11-Reeham Gabr, Ahmed Shahin, Amr Sharawi, Mohamed Aouf "A DEEP LEARNING IDENTIFICATION SYSTEM FOR DIFFERENT EPILEPTIC SEIZURE DISEASE STAGES", journal of Engineering and Applied Science, september ,2019

- 12-Mohamed Aouf,Sultan Almotairi,Abdulla Bajahzar,Ghada Kareem,"Glaucoma Detection from Funds Camera Image" ninth IEEE International Conference on Intelligent Computing and Information System ,Cairo,Egypt December 2019

- 13- Sultan Almotairi , Ghada Kareem , Mohamed Aouf , Badr Almutairi and Mohammed A.-M. Salem " Liver Tumor in CT Scans Segmentation Using Modified SegNet",March 2020
- 14- Mohamed Aouf , Dalia Ali, Ghada Kareem ,''Optic Disc and Optic Cup Segmentation Methodology for Glaucoma Detection", International Journal of Engineering Research and Technology ,vol13,No 4,2020

Certifications or Professional Registrations:

Honors and Awards:

- Chairing secession at ICICIS ninth IEEE international conference in the field of intelligent computing and information system 2019
- Chairing secession at ICICIS tenth IEEE international conference in the field of intelligent computing and information system 2021
- judge at Mansoura engineering projects
- judge at Nile University competitions

Teaching Experience:

13 years at Higher Technological Institute, 10th of Ramadan City, Biomedical Engineering Dep.

Courses taught

- Data Communication
- DIGITAL control
- digital signal processing
- Electronics
- clinical engineering