

Curriculum Vita (C.V.)

Contact Information

Full Name: Auhood Al-Hossenat

Address: Iraq

Gender: Female

Mobile No. : +964 7739900953

Languages: English and Arabic

E-mail address: auhoodhadi.comp@utq.edu.iq; Auhoodza@yahoo.com

General specialization: Computer Science/ Artificial Intelligence (AI)

Specialization: AI/Modelling and Simulation, Natural language processing (NLP)/ Machine Translation System.

Biography

Auhood Al-Hossenat received the master's degree in Artificial Intelligence /Natural language processing (NLP) / Machine Translation System from Basrah University, Iraq, in 2006. She received her PhD degree with the School of Mathematics, Physics and Computing, Faculty of Health, Engineering, and Sciences, University of Southern Queensland (USQ), Australia in 2020. Her research interests lie in the areas of AI, Modelling and Simulation, Natural language processing (NLP)/ Machine Translation System, BNM & EEG Research and Signal/Image Processing. Auhood Al-Hossenat has published high quality publications such as Q1 and Q3 and also she has achieved an award of excellent paper in the Conference Proceedings, Australia, 2019.

Affiliation:

- Department of Computer Sciences, Education College for Pure Sciences, University of Thi-Qar, Nasiriyah, 64001, Iraq
- Web: <https://scholar.google.com/citations?hl=en&user=gckP6OYAAAAJ>
- **h-index: 2 (Scopus)**

Certificates:

N0.	Degree	College/University	Department	Year of Graduation	Country
1	Master	Science College/ University of Basrah	Computer Science	2006	Iraq
2	Doctorate	Faculty of Health, Engineering and Sciences University of Southern Queensland	School of Mathematics, Physics and Computing	2020	Australia

Interests

- Artificial Intelligence(AI)
- Modelling and Simulation
- Natural language processing (NLP)
- BNM & EEG Research
- Signal/Image Processing
- Information Science

Scientific Experience:

A- Scientific address: Lecturer (Dr. & MSc)

- Researcher and Lecturer for 15+ year of experience teaching for bachelor's students (Digital Logic Design for first class, Microprocessor for second class, Compiler for third class, Software Engineering) for third class, in Computer Science Department, College of Education for Pure Sciences, Thi-Qar University, Iraq, from 2008 to 2023.
- Lecturer for bachelor's students(Fundamentals of computer organization and architecture) for first class , in Basra Engineering Technical College, Iraq, from 2006-2008

B- Published Papers:

1- Bottom-Up Active Chart Parsing For Natural Language Using by Prolog Language, JOURNAL OF THI-QAR SCIENCE, 2012

2- Modelling and simulating different bands of EEG signals with the virtual brain, International Journal of Electrical, Electronics and Data Communication 2019

3- Large-scale brain network model and multi-band Electroencephalogram rhythm simulations, International journal of Biomedical Engineering and Technology, 2022 (Q3)

4- Novel large scale brain network models for EEG epileptic pattern generations, *Expert Systems With Applications*, 2022 (Q1)

Paper Presented (Conference):

1- Simulation α of EEG using brain network model, International Conference Melbourne, Australia, 2017

2- Modelling and simulating different bands of EEG signals, International Conference on Science, Engineering & Technology - ICSET 2019, Brisbane, Australia, 2018.

- This paper p was chosen as an excellent paper. It was then published in the in the International Journal of Electrical, Electronics and Data Communication as an excellent paper (Al-Hossenat, 2019).