



## CURRICULUM VITAE

**NAME:** Prof. Dr. ALI ABDULHAFIDH IBRAHIM AL-SHAIKHLI

**NATIONALITY:** IRAQI

**DATE & PLACE OF BIRTH** MAY 9<sup>th</sup> , 1962, BAGHDAD, IRAQ

**Tel:** +(964)7702538614

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**Specialization:** Artificial Intelligence, Bioinformatics, Multivariate Analysis, Pattern Recognition, Biometric , and Wireless Network

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### **EDUCATION:**

**PhD** Department of Statistics, College of Administration and Economy,  
University

of Baghdad , Baghdad, Iraq.

***PhD thesis title:*** "Prediction of Secondary Structure of Protein Using  
Chuo-

Fasman, Homology and Neural Network Methods

***Major:*** Statistics: 2004

***Advisor:*** Prof. Dr. Hathama Rzuki Hassan

**MSc** Department of Statistics, College Administration and Economy,  
University of

Mustansiriya, Baghdad, Iraq.

***MSc thesis title:*** Solving the missing data in corresponding analysis.

***Major:*** Statistics. 1990

***Advisor:*** Dr. Fadil Alrubbyai

**BSc** Department of Statistics, College Administration and Economy,  
University of  
Al-Mustansiriya, Baghdad, Iraq.

**POSITIONS, TEACHING AND RESEARCH EXPERIENCE:**

- Professor , Department of Mathematical and applied computer, College of Science, Al-Nahrain University, Jadriyah, Baghdad, Iraq (2013).
- Assistant Professor, (2002).
- Lecture, (1996).
- Assistant Lecture, (1993).

**Taught:**

- Advance Bioinformatics for graduate course
- Bioinformatics for undergraduate course
- Advance Biostatistics for graduate course
- Artificial Intelligence for graduate course
- Artificial Intelligence for undergraduate course
- Probability and statistics for undergraduate course
- Programming (Visual Basic) for under graduate course
- Simulation for graduate course
- Time sreies
- Lecturer, Department of Mechanical engineering , College of Engineering, Tikrit University, Tikrit, Iraq\_( 1996-2002).

**Taught:**

- Probability and statistics for undergraduate course

- Programming for under graduate course
- Assistant Lecturer, Department of Mechanical engineering of, College of Engineering, Tikrit University, Tikrit, Iraq\_( 1993-1996).
- Probability and statistics for undergraduate course
- AUTOCAD for undergraduate course
- Programming for under graduate.

## **SKILLS & TECHNIQUES**

### **- Software Proficiency**

Visual BASIC

ACAD

Matlab

SPSS

Mintab

### **Training courses completed**

Cisco

Microarray

### **PUBLICATIONS:**

1. Using changing averages in creating price trends of stocks dealt in Baghdad Stock Market published in Development of Mesopotamia Magazine issue No;43 /1994 .
2. Using factorial analysis style to conduct changes that verify the validity of dried milk for human consumption (published in The Scientific Magazine of College of Engineering in Tikrit University Vol. 3 issue No;2 /1996 )
3. Using cluster analysis in structural form in different samples of dried milk (published in The Scientific Magazine of Tikrit University/engineering sciences sector issue No;716 /2000 )
4. Using multi-dimension standards to analyze the chemical structure in samples of dried milk (published in the volume of the 12<sup>th</sup> conference of the Iraqi Association of Statics Sciences in 2000)

5. Using database in determining restriction sites and drawing of avidin gene cDNA (joint research published in 41<sup>th</sup> Biotechnology Sciences Conference in Damascus University / Syria in 2001 )
6. Using of characterizing function pattern in chemical classification of dried milk samples to verify its identity to the Iraqi Standards of Qualifications through designing and implementing a program in QBASIC Language (published in The Economical and Administration Sciences Magazine of College of Economical and Administration in Baghdad University 9<sup>th</sup> volume issue No;29 /2002 )
7. using of protein Database and Cluster Analysis to Compare Protein Identical Region for Leader Peptidase and Determine the Degree of Genetic Relationship between Bacterial Strains, Magazine of Administration and Economical in Al-Mustansurea University, No. 42, 1-11-2002.
8. Use of a multi-dimensional scale and a function model to load chemical structures For dry-dried models, University of Al-Nahrain University, Vol.11, No. 1, April ,2008 (ARABIC).
9. Using a multidimensional and multivariate analysis method to analyze a set of pottery vessels discovered in the pre-Christmas period, University of Al-Nahrain University, Vol. 11, No. 2, August 2008 (ARABIC).
10. Classification of a number of organisms using multidimensional integrator and cluster loading of the polymerization Multiple peptides of lactate dehydrogenase, , University of Al-Nahrain University, Vol.11,No. 3, December, 2008 (ARABIC).
11. Design a fingerprint database pattern recognition system via cluster analysis method (joint research published in Iraqi Biotechnology Sciences Magazine volume 10 second issue in 2011)
12. Bioinformatics (joint book published by Al-Nahrain University in Books House issue No; 1445 in 2012) , (ARABIC).
13. Using of Two Analyzing Methods Multidimensional Scaling and Hierarchical Cluster for Pattern Recognition via Data Mining , **International Journal of Computer Science Engineering and Technology (IJCSET)** , Volume 3 Issue 1- January 2013.
14. Design And Implementation Iris Recognition System Using Texture Analysis, Nahrain University College Of Engineering journal, **Vol.16 No. 1, 2013 pp98-101**

- 15.** Using Hierarchical Cluster and Factor Analysis to Classify and built a phylogenetic Tree Species of ND1 Mitochondria, *Journal of Al-Nahrain University-Science*, **Vol.17(1)**, **March, 2014**,, pp. 114-122.
- 16.** Design and Implementation of Iris Pattern Recognition Using Wireless Network System, *Journal of Computer and Communications*, **2016, 4, 15-21**.
- 17.** Using Neural Networks to Predict Secondary Structure for Protein Folding, *Journal of Computer and Communications*, **2017, 5, 1-8**.
- 18.** C-reactive protein as a marker for cancer and poisoning thyroid gland, *Engineering & Technology Journal*, Vol. 35, Part B. No. 2, 2017.
- 19.** C-Reactive Protein as a Marker in the Iraq Patients with Poisoning Thyroid Gland Disease, *Engineering and Technology Journal*, Vol. 36, Part B, No. 1, 2018
- 20.** Design and Implementation of Fingerprint Identification System Based on KNN Neural Network, *Journal of Computer and Communications*, **2018, 6, 1-18**.
- 21.** Sequence and Structure Analysis of CRP of Lung and Breast Cancer Using Bioinformatics Tools and Techniques, *BIOSCIENCES BIOTECHNOLOGY RESEARCH ASIA*, March 2018, Vol. **15(1)**, p. 163-174.
- 22.** THE EFFECT OF Z-SCORE STANDARDIZATION ON BINARY INPUT DUE THE SPEED OF LEARNING IN BACK-PROPAGATION NEURAL NETWORK, *Iraqi Journal of Information and Communications Technology(IJICT)*, Vol. 1, Issue 3, November 2018.
- 23.** Analysis of sequence and structure for beta-2-microglobulin in patients with thyroid cancer using bioinformatics tools *International Journal of Research in Pharmaceutical Sciences*, 2019, 10 (1), 394-401.
- 24.** Functional Analysis of Beta 2 Microglobulin Protein in Patients with Prostate Cancer Using Bioinformatics Methods *Indian Journal of Public Health Research & Development*, 2019, 10 (3), 519-523.