

## Faculty Vitae

صورة  
شخصية

### 1. Name:

Name	<b><u>Bayan Mahdi Sabbar</u></b>
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### 1. Education

Degree	Discipline	Institution	Year	
			From	To
Ph.D.	PhD in signal processing	Loughborough Uni. Of Technology.UK	1984	1987
M.Sc.	M.Sc. in digital communication systems	Loughborough Univ. of Technology .UK	Oct.1982	31.dec.1983
B.Sc.	B.Sc in electrical engineering	Military Engineering College	Oct.1976	30june1980

### 2. Academic Experience

	Institution	Rank	Title	When	FT or PT
1.	Military Eng.College	Demonstrator	engineer	1982-1983	FT
2.	Loughborough U.of Technology UK	Post Graduate student	researcher	1982-1987	FT
3.	Military Eng. College in Baghdad	Lecturer	Lecturer	1987-1989	FT
4.	Military Eng. College	Lecturer	Lecturer	1989-1990	PT
5.	Al-Nahrain University	Senior Lecturer	Researcher and lecturer	1990-2002	PT
6.	Al-Mustansiriya Uninersity ..College of engineering	Senior lecturer and researcher	Supervisor on some MSc students	1996- 2002	PT
7.	University of Technology	Supervision and post graduate teachings	Msc projects	1993- 1998	PT
8.	Al Mustansiriya University , college of science	Lecture	Lecturing and supervision	2005- 2011	FT
9.	Kufa University	Lecturer and supervision	Lecturing and supervision	2011-2012	FT
10.	Al Nahrain University-College of Information engineering	Senior lecturer and supervisor and department head	Lecturing in MSc Courses and undergraduate studies	2012-2013	FT

11.	Al Nahrain University-College of Information engineering	Dean Assistant, Senior lecturer and supervisor	Lecturing in MSc Courses and undergraduate studies	2013-2014	FT
12.	Al Nahrain University-College of Information engineering	Senior lecturer and supervisor and department head	Lecturing in MSc Courses and undergraduate studies	2014-2015	FT
13.	Al Nahrain University-College of Information engineering	Senior lecturer and supervisor and department head	Lecturing in MSc and PhD Courses and undergraduate studies	2015-2016	FT
14.	Al Nahrain University-College of Information engineering	Senior lecturer and supervisor and department head	Lecturing in MSc and PhD Courses and undergraduate studies	2016-2017	FT
15.	Al Nahrain University-College of Information engineering	Senior lecturer and supervisor and department head	Lecturing in MSc and PhD Courses and undergraduate studies	2017-2018	FT
16.	Al Nahrain University-College of Information engineering	Senior lecturer and supervisor and department head of system engineering	Lecturing in MSc and PhD Courses and undergraduate studies	2018-2019	FT

### 3. Non-Academic Experience

	Company or Entity	Title	Position	FT or PT
1.	Military Industrial Committee	Researcher	Head of department	FT
2.	Ministry of Science and Technology	Researcher & Expert	Dean of Communication Research Center	FT

### 4. Current Membership in Professional Organizations

	Title	Organization Name
1.	Expert	Iraqi Engineering Union

## 5. Academic Positions

1	Al Nahrain University-College of Information engineering	Head of Information and Communication Department	2012-2013
17.	Al Nahrain University-College of Information engineering	Dean Assistant for scientific affairs	2013-2014
18.	Al Nahrain University-College of Information engineering	Head of Information and Communication Department	2014-2018
19.	Al Nahrain University-College of Information engineering	Head of system Engineering Department	2018-up to Now

## 6. List of Published Papers & Presentations

**Bayan Mahdi Sabbar**

Professor of signal processing

Verified email at coie-nahrain.edu.iq

### TITLE

CIT  
ED  
BY

[An overview on wireless sensor networks and finding optimal location of nodes](#)

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OI Khalaf, BM Sabbar

Periodicals of Engineering and Natural Sciences 7 (3), 1096-1101

[Optimization of Wireless Sensor Network Coverage using the Bee Algorithm.](#)

3

OI Khalaf, GM Abdulsahib, BM Sabbar

J. Inf. Sci. Eng. 36 (2), 377-386

[GPS-GPRS Control and Tracking System for Fuel Trucks via Processing of Travelling Information](#)

3

BM Sabbar, Al Ali

IJCSET Dec 7 (6), 1002-1011

[Hybrid MVDR-LMS beamforming for massive MIMO](#)

2

TITLE

CIT  
ED  
BY

YM Tabra, BM Sabbar  
Indonesian Journal of Electrical Engineering and Computer Science 16 (2 ...

Human Gait Cycle Recognition Using MTI Principles and PCA

BM Sabbar, AA Al-Sumaily  
International Journal of Science, Engineering and Computer Technology 4 (1), 5

An empirical model of correlated traffics in LTE-advanced system through an innovative simulation tool

GA Abed, M Ismail, SI Badrawi, BM Sabbar  
International science index, 780-783

High resolution array signal processing

BM Sabbar  
Loughborough University

Performance evaluation of high mobility OFDM channel estimation techniques

MK Abboud, BM Sabbar  
International Journal of Electrical and Computer Engineering 10 (3), 2562

Initial Phase Effect on DOA Estimation in MMIMO Using Separated Steering Matrix

BM Sabar, YM Tabra  
TELKOMNIKA (Telecommunication, Computing, Electronics and Control) 16 (3 ...

Optimal Algorithm for Estimation of Mobile Users Direction in 5G LTE

YM Tabra, BM Sabar  
i-manager's Journal on Mobile Applications and Technologies 3 (2), 1

Significant role analysis of transmission control protocols in 4G cellular systems

GA Abed, BM Sabbar  
International Journal of Computer and Information Engineering 8 (5), 920-923

Generation and simulation of new transmission control protocol (TCP) agent over network simulator 2 (NS-2) platforms

BM Sabbar  
Scientific Research and Essays 9 (10), 452-457

New Proposed Method of Direction Finding Using ESPRIT

BM Sabbar  
Al-Mustansiriyah Journal of Science 20 (4), 88-104

A novel delay dictionary design for compressive sensing-based time varying channel estimation in OFDM systems

MK Abboud, BM Sabbar  
Telkomnika 18 (5), 2284-2291

Sparse DFT Based Channel Estimation In OFDM Systems

MK Abboud, BM Sabbar  
Iraqi Journal of Information & Communications Technology 3 (2), 1-10

DIFFERENT FPGA PRODUCTS BASED IMPLEMENTATION OF LTE TURBO CODE

KO Dheeb, BM Sabbar  
Iraqi Journal of Information and communication technology 3 (1), 40-51

FPGA implementation of new LM-SPIHT colored image compression with reduced complexity and low memory requirement compatible for 5G

YM Tabra, BM Sabbar  
International Journal of Reconfigurable and Embedded Systems 8 (1), 1

TITLE[Hardware Co-Simulation of LTE Turbo Code with Chaotic Interleaver And Improved Log-MAP Algorithm Using System Generator](#)

K Omran, BM Sabbar  
IEEE Xplore/ Conference 2019 2nd International conference, 202-207

[new computer generated-SCMA codebook with maximized euclidean distance for 5G](#)

YMT Bayan M Sabbar  
Iraqi journal of information and communications technology 2 (2), 1-16

[SENTIMENT ANALYSIS FOR IRAQIS DIALECT IN SOCIAL MEDIA USING MACHINE LEARNING ALGORITHMS](#)

BM Sabbar, NT Yousir, LA Habeeb  
Iraqi Journal of Information and Communications Technology (IJICT) 1 (2)

[SENTIMENT ANALYSIS FOR IRAQIS DIALECT IN SOCIAL MEDIA USING MACHINE LEARNING ALGORITHMS](#)

NT Yousir, BM Sabbar, LA Habeeb  
Iraqi Journal of Information and communication technology 1 (2), 22-30

[ANALYSISING OF DNA MICROARRAY DATA USING PRINCIPLE COMPONENT ANALYSIS \(PCA\)](#)

BM SABBAR, MR SULYMAN  
Journal of Theoretical and Applied Information Technology 70 (1)

[Frequent and Systematic Timing Enhancement of Congestion Window in Typical Transmission Control Protocol](#)

GA Abed, AO Salman, BM Sabbar  
International Journal of Computer and Information Engineering 8 (2), 367-370

[Increase Security in DS/CDMA UWB using Hybrid Method of CDMA](#)

BM Sabbar, UM Taher  
International Journal of Computer Applications 975, 8887

[Smallest Of-Order Statistic-CFAR Analysis in Weibull Clutter](#)

SM Salih, AY Fattah, BM Sabbar  
Engineering and Technology Journal 24 (7), 923-937

[GPRS Network for Controlling Prepayment of Electricity Bill Using Information of Smart Meter](#)

BM Sabbar, MSHM Redha

[Face Recognition Using Eigen-Wavelet-Face Method](#)

SA Abdulrahman, BM Sabbar

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**Supervision**

**MSc students more than 25 students.**  
**PhD up to now more than 5 students.**