



**Full Name: Tumadhir Mearwi Borhan**

**College: Engineering**

**Date of Birth: 1973**

**Marital Status: Married**

**Specialization: Civil engineering**

**Academic rank: Assistant professor**

**Work address: College of Engineering/Civil Engineering dept.**

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**Occupation**

<b>NO.</b>	<b>Occupation</b>	<b>Date <u>obtaining Job</u></b>	<b>note</b>
1	Civil engineer	1994-2002	
2	University instructor	2002-now	

### Academic Qualifications (Certificates)

<b>Academic qualification</b>	<b>College</b>	<b>University</b>	<b>Date obtained</b>
Bachelor's degree	Engineering	Babylon	1994
Master's degree	Engineering	Baghdad	2002
Doctorate	Engineering	Manchester	2011
Other			

### Academic rank:

<b>NO.</b>	<b>Academic rank</b>	<b>Date</b>
	Assistant lecturer	2002
	Lecturer	2007
	Assistant professor	2015
	Professor	

### Scientific researches

<b>NO.</b>	<b>Research Title</b>	<b>Date published</b>
١	Influence of a retarding admixture on the properties of mortars made from different type of cement. (International journal of engineering & technology (UAE), Vol 7, No 4.20 (2018))	2018
٢	Combined effect of MgO and SO <sub>3</sub> contents in cement on compressive strength of concrete. (Al Qadissiyah journal for engineering and science)	2016
٣	due to combined effect of MgO Soundness of cement paste and SO <sub>3</sub> contents in cement. . (Al Qadissiyah journal for engineering and science).	2016
٤	Thermal properties of cement mortar containing waste aluminium fine aggregate, (journal of Karbla university.	2016
٥	Effect of Using Recycled Lightweight Aggregate on the Properties of Concrete, (journal of Babylon university, Engineering and science	2015
6	Using control chart for controlling dimensions of bricks. (Al Qadissiyah journal for engineering and science 2014)	2014
7	Structural behavior of basalt fibre reinforced concrete slabs. (Materials and structures journal 2014 (Springer))	2014
8	Modelling basal fibre reinforced glass concrete slabs at ambient and elevated temperature. (Materials and structures journal 2014 (Springer)).	2014

9	Prediction of concrete thermal conductivity using ABAQUS. (Al Qadissiyah journal for engineering and science 2013).	2013
10	Resistance of polymer concrete to high temperature (published in university of Babel journal 2013).	2013
11	Thermal and mechanical properties of basalt fibre reinforced glass concrete. (Published in Material & design journal (Sciencedirect) 2012).	2012
12	Properties of concrete containing paraffin wax( published in university of Babel journal 2006).	2006
13	Properties of concrete reinforced with basalt fibre (WASET conference on civil engineering Venice, Italy 4-2013)	2013

### **Published and Translated Books:**

<b>No.</b>	<b>Book Title</b>	<b>Published Date</b>
<b>1</b>	Thermal and structural behavior of basalt fibre reinforced glass concrete. PhD thesis, Manchester university.	<b>2011</b>
<b>2</b>	Concrete strength development related to MgO and SO <sub>3</sub> contents in cement. MSc thesis, university of Baghdad.	<b>2002</b>

### **Number of Theses**

<b>NO.</b>	<b>Supervision</b>	<b>Number</b>
	Higher diploma	
	Masters	1
	Ph.D	

### **Academic Conference, seminars and workshops attended**

<b>NO.</b>	<b>Title</b>	<b>Kind of participation</b>	<b>place</b>	<b>Date</b>
	World Academy of Science, Engineering and Technology conference	Research paper	Vanice/ Italy	2013
	1st international conference on civil engineering science	Research paper	Ad Diwaniyah/ Iraq	2018
	Nanotechnology conference	Participant	Iraq /Baghdad	٢٠١٥
	Seminar on Sustainable Development	Participant	Ad Diwaniyah/ Iraq	2012
	Seminar on road problems in Ad Diwaniya	Preparatory committee	Ad Diwaniyah/ Iraq	٢٠١٤
	Seminar on Modern systems in the management and implementation of construction	Preparatory committee	Ad Diwaniyah/ Iraq	٢٠١٧
	Seminar on materials Engineering	Participant	Ad Diwaniyah/ Iraq	٢٠١٨
	Seminar on Electricity production in Iraq reality and challenges	Participant	Ad Diwaniyah/ Iraq	٢٠١٨

	Lecture on plagiarism and Writing Scientific Research	Lecturer	Ad Diwaniyah/ Iraq	٢٠١٨
	Effect of mambrane action on concrete slab during fire	Lecturer	Ad Diwaniyah/ Iraq	٢٠١٧
	Workshop some skills in writing theses and research published in international journals	Lecturer	Ad Diwaniyah/ Iraq	٢٠١٩
	Workshop (improving the quality of engineering programs in all Iraqi universities)	Participant	Amman/Jordan	٢٠١٣
	Workshop (improving the quality of engineering programs in all Iraqi universities)	Participant	Erbil/Iraq	٢٠١٤

### Permanent and temporary committees

NO.	Committee	Permanent or temporary	Date
1	Examination committee	<b>Permanent</b>	2005-2007
2	Examination committee	<b>Permanent</b>	2012-2017
3	Scientific adjusting committee	<b>Permanent</b>	2017-now
4	Investigation and Audit Committees	<b>temporary</b>	2012-2017
5	Scientific committees for promotion purposes	<b>temporary</b>	2012-now
6	Committees for MSc and PhD viva	<b>temporary</b>	2015-now
7	Committees for BSc graduation project exam	<b>temporary</b>	2012-now

8	Committees regarding civil engineering work or projects	<b>Permanent and temporary</b>	1994-now
9	Scientific committees (conferences, seminars, scientific affairs)	<b>Permanent and temporary</b>	2012-now

**Other Scientific activities**

<b>NO.</b>	<b>Kind of activity</b>
yes	Evaluating Scientific Research
	Scientific Initiatives
yes	Evaluate Theses
	Patent
	Contracting with State Institutions

**Course Taught**

<b>NO.</b>	<b>Undergraduate</b>	<b>postgraduate (Master,PhD )</b>
1	Construction materials	
2	Concrete technology	
3	Advance concrete design	
4	Programming applications	
5	English language	
6	Autocad	
7	Properties of engineering materials	
8	Engineering mechanics	

### Voluntary initiatives and actions

<b>NO.</b>	<b>Voluntary initiatives and actions</b>	<b>Date</b>

### Awards, Certificates and Letters of appreciation

<b>NO.</b>	<b>Awards, Certificates and Letters of</b>	<b>Institution Awarded</b>	<b>Date obtained</b>
1	Letters of appreciation	Ministry of higher education	2013
2	Letters of appreciation	Head of university	1996
3	Letters of appreciation	Head of university	1998
4	Letters of appreciation	Head of university	1999
5	Letters of appreciation	Head of university	2000
6	Letters of appreciation	Head of university	2005
7	Letters of appreciation	Head of university	2015
8	Letters of appreciation	Head of university	2015
9	Letters of appreciation	Head of university	2015
10	Letters of appreciation	Head of university	2017
11	Letters of appreciation	Head of university	2017
12	Letters of appreciation	Head of university	2018
13	Letters of appreciation	Head of university	2019
14	Letters of appreciation	Dean/ College of Veterinary / Qadisiyah	1996
15	Letters of appreciation	Dean/ Engineering / Qadisiyah	2006
16	Letters of appreciation	Dean/ Engineering / Qadisiyah	2014
17	Letters of appreciation	Dean/Engineering / Qadisiyah	2014
18	Letters of appreciation	Dean/ Engineering / Qadisiyah	2014
19	Letters of appreciation	Dean/ Engineering / Qadisiyah	2015



20	<b>Letters of appreciation</b>	Dean/ Engineering / Qadisiyah	2016
21	<b>Letters of appreciation</b>	Dean/ Engineering / Babylon	2016
22	<b>Letters of appreciation</b>	Dean/ Engineering / Babylon	2016
23	<b>Letters of appreciation</b>	Dean/ Engineering / Babylon	2017
24	<b>Letters of appreciation</b>	Dean/ Engineering / Babylon	2018
25	<b>Letters of appreciation</b>	Head of civil engineering dept/technology	2017
26	<b>Letters of appreciation</b>	Head of civil engineering dept/technology	2019

### Languages skills

<b>NO.</b>	<b>Language</b>	<b>Level ( Beginner,Inermediate,Advance )</b>
	Arabic	<b>advane</b>
	English	<b>advance</b>
	other	