

Curriculum Vitae

Personal Information

Name **Muthanna Adil Najm Abbu**
Date of Birth 5th, June, 1975
Place of Birth Mosul – Iraq
Gender Male
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Publon <https://publons.com/researcher/1312360/dr-muthanna-adil-najm-abbu/>
LinkedIn www.linkedin.com/pub/muthanna-abbu/87/849/b44/

Profile

A professional experience in the field of Civil Engineering /Structural Engineering. Practical and Academic. Teaching structural engineering/ composite structure/ mathematics / computer aided engineering programs . Holding a Bachelor’s Degree in Civil Engineering 1999 & also a M.Sc in structural engineering (composite structure / Analysis and Design) 2003 with an excellent academic record. A keen understanding of team working dynamics as well as excellent technical and communication skills with high confidence & strong personality. Finishing for Ph.D. Degree from University of Gaziantep in Turkey with composite box girder bridges topics. Member of Iraqi Engineers Union.(IEU) and member of Federation of Arab Engineers (FAE) and Individual Member of The International Association for Bridge and Structural Engineering (IABSE) also the head office of this Association in Iraq.

Qualifications

1993-1999	B.Sc. Civil Engineering College ,University of Mosul,Mosul, Iraq.
1999	Certificate of English Competency
2001-2003	M.Sc. in Civil Engineering (Structures), Civil Engineering Dept., College of Engineering, University of Al-Mustansiryia, Baghdad, Iraq
2005	Diploma in IT skills ,University of Cambridge, UAE(online)
2008-2009	Two Certificates of media working skills
2011-2015	Ph.D. Degree in Civil Engineering (Structures), Civil Engineering Dept., Graduate School of Natural and Applied Sciences, University of Gaziantep, Gaziantep, Turkey.

Work Experiences

12/2018 till now	<p style="text-align: center;">Manger of Bureau of Scientific and Advisory Services (BSAS)</p> <ul style="list-style-type: none"> • The BSAS is one of the basic units of the technical college of Mosul. • It aims to incorporate the high scientific and engineering qualifications, available in the college, in the present and futuristic local and national development process . • The BSAS was established for the promotion of the link between thoughts and practice through participation in solving the engineering problems facing the various establishments and industrial installations .
2/2020- till now	<p style="text-align: center;">Engineering Supervision& Materials tests for project</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to supervise and test Materials for the project of rehablitation of Fertility and IVF Hospital in Mosul With UNDP organization.

<i>3/2020- till now</i>	<p>Engineering Supervision& Materials tests for project</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to supervise and test Materials for the project of rehabilitation of Al-Batool Hospital in Mosul With UNDP organization.
<i>3/2020- till now</i>	<p>Engineering Supervision& Materials tests for project</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to supervise and test Materials for the project of Al-karama grain stores 2.
<i>1/2020</i>	<p>Ultra sonic test for Al-hamdanya hospital</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to test the foundation of Al -hamdanya hospital in Ninawah by ultra-sonic device With UNDP organization.
<i>3/2020-till now</i>	<p>Engineering Supervision& Materials tests for project</p> <ul style="list-style-type: none"> • Member of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to supervise and test Materials for the project of kirkuk sewage treatment station / with Pozo Turkish company.
<i>1/2020</i>	<p>Checking and approve for Training Practical lectures</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to Checking and approve for Training practical lectures for CNFS organization.
<i>12/2019</i>	<p>Checking and approve for project hospital plans</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to Checking and approve for project hospital plans for obstetrics and gynecology Hospital in Mosul.
<i>2/2020 till now</i>	<p>Engineering Supervision for project</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to supervise the project of Al-Mahar restaurant in Mosul.

<i>4/2020-till now</i>	<p>Engineering Supervision& Materials tests for project</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to supervise and test Materials for the project of tracks line of Mosul sewage treatment station /right side of Mosul with 77 Pikaron Turkish company and qang company.
<i>3/2020 till now</i>	<p>Engineering Supervision& Materials tests for project</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to supervise and test Materials for the project of Mosul sewage treatment station /right side of Mosul with 77 Pikaron Turkish company and qang company.
<i>10/2019- till now</i>	<p>Engineering Supervision& Materials tests for project</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to supervise and test Materials for the project of Mosul sewage treatment station /left side of Mosul with 77 Pikaron Turkish company and qang company.
<i>10/2019</i>	<p>Building safety report</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to test and Monitoring of Sultan Abdullah bridge in Al-gayara and give Building safety report.
<i>9/2019</i>	<p>Design of Prototype Model</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to design a prototype model for Industrial waste treatment station in Alhadba cement factory in Hamam Al-alil.
<i>10/2019-11/2019</i>	<p>Building safety report</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to test and Monitoring of Al-Farok overpass bridge in Mosul and give Building safety report.
<i>10/2019-12/2019</i>	<p>Building safety report</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to test and Monitoring of Alsiha overpass bridge in Mosul and

	give Building safety report.
<i>9/2019-till now</i>	<p>Engineering inspection & Occupational Safety for Amusement park</p> <ul style="list-style-type: none"> • Member of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to give Engineering inspection & Occupational Safety reports and certificates for Sindibad amusement park in Mosul.
<i>8/2019-9/2019</i>	<p>Building safety report & Ultra sonic test</p> <ul style="list-style-type: none"> • Member of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to test and Monitoring of 46 grain silos and 5 operation & control buildings for Al-Waelya grain silos in Ninawah and give Buildings safety report.
<i>8/2019- till now</i>	<p>Engineering inspection & Occupational Safety for Amusement park</p> <ul style="list-style-type: none"> • Member of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to give Engineering inspection & Occupational Safety reports and certificates for Dijla city amusement park in Mosul.
<i>8/2019</i>	<p>Checking and approve for project building plans</p> <ul style="list-style-type: none"> • Member of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to Checking and approve for project building plans for Nenavah cow slaughter
<i>7/2019</i>	<p>Building safety report</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to test and Monitoring of five personall residual houses in Batnaya –nenavh and give Building safety report.
<i>6/2019</i>	<p>Building safety report</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to test and Monitoring the building of Students center in Engineering Technical college in Mosul and give Building safety report.

5/2019	<p style="text-align: center;">Building safety report</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to test and Monitoring the building of grain stores administration building in Mosul and give Building safety report.
4/2019	<p style="text-align: center;">Building safety report</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to test and Monitoring the building of Northern Cement company in Mosul and give Building safety report.
2/2019-2/2020	<p style="text-align: center;">Engineering Supervision for project</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to supervise the project of Al-Manara Athletic & entertainment center in daquq –Kirkuk.
	<p style="text-align: center;">Engineering Supervision for project</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to supervise the project of rehabilitation of Hadar bridge in Al-Hadar.
3/2019-9/2019	<p style="text-align: center;">Engineering Supervision for project</p> <ul style="list-style-type: none"> • Head of Consulting Team As an Activity of Bureau of Scientific and Advisory Services (BSAS) to supervise the project of rehabilitation of traffic police buildings in Mosul.
3/2019-9/2019	<p style="text-align: center;">Engineering Supervision for project</p> <ul style="list-style-type: none"> • Member of Consulting Team As an Activity of Bureau of Scientific and Advisory Services (BSAS) to supervise the project of rehabilitation grain stores of the Ministry of Commerce in Mosul.
3/2019	<p style="text-align: center;">Checking and approve for project building plans</p> <ul style="list-style-type: none"> • Head of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to Checking and approve for project building plans for Al-Manara Athletic & entertainment center in daquq –Kirkuk.

3/2019	<p align="center">Design of Steel Structures storage Buildings.</p> <ul style="list-style-type: none"> • Member of Consulting Team as an Activity of Bureau of Scientific and Advisory Services (BSAS) to Design 11 steel structures storage buildings for The grain stores of the Ministry of Commerce.
2/2019 till now	<p align="center">Engineering inspection & Occupational Safety for Cement Factories in Mosul</p> <ul style="list-style-type: none"> • Member of Consulting Team As an Activity of Bureau of Scientific and Advisory Services (BSAS) to give Engineering inspection & Occupational Safety reports and certificates for Five Cement Factories in Mosul, three in Badosh and two in Hamam Alalil.
09/2017 till now	<p align="center">Ph.D. Lecturer in Technical College of Mosul</p> <ul style="list-style-type: none"> • Lecturer in Building and Construction Engineering Technology department teaching (analysis and design of concrete structures1 , design of steel structures, programming) • Supervising for the rehablitation of a number of buildings in the college. • Checking and approving the drawings and bills of quantity for general company for distribution of oil products.
10/2016 -09/2017	<p align="center">Head of Building and Construction Engineering Technology Department. (IRAQ)</p> <ul style="list-style-type: none"> • Member In scientific and advisory bureau the Northern Technical University. • Member in Experts committee for scientific journals accreditation in the Northern Technical University. • Teaching postgraduate students in structure and construction materials branches.
3/2016- 10/2016	<p align="center">Ph.D. Lecturer in Technical College of Mosul./Alternative site in Erbil. (IRAQ)</p> <ul style="list-style-type: none"> • Lecturer in Building and Construction Engineering Technology department

	<p>teaching (analysis and design of concrete structures1 , theory of structures, analysis and design of concrete structures2, design of steel structures, programming, computer principles , engineering drawing ,auto cad , Staad pro, system analysis, strength of materials, mechanic, ANSYS, SAP, Etabs)</p>
<i>7/2015-3/2016</i>	<p>Ph.D. Lecturer in Technical Institute of Kirkuk. (IRAQ)</p> <ul style="list-style-type: none"> • Lecturer in Civil techniques department, teaching (Highway Drawing, Airport Engineering, Highway Engineering, Concrete Technology, Mechanic, Bridge Construction, AutoCAD, Engineering Drawing)
<i>5/2012-5/2014</i>	<p>INSAŞ-Engineering Consultant Company-Owner.(TURKEY)</p> <ul style="list-style-type: none"> • Established a consultant company in Turkey. • Design a footbridge in Gaziantep. • Design a resident complex for technical college of Mosul- lecturer's part. • Supervising rehabilitation process for many historical buildings in Turkey.
<i>1/2011 –7/2015</i>	<p>Ph.D. Student (TURKEY) Preparing for Ph.D. Degree with Prof. Dr. Mustafa Özakça and Dr. Talha Ekmekyapar and the title of the thesis is (Modelling and Analysis of interface in composite box girder bridge)</p>
<i>5/2005-1/2011</i>	<p>Lecturer in Technical College of Mosul.(IRAQ)</p> <ul style="list-style-type: none"> • Head of media unit in the college. • member In scientific and advisory bureue in technical college in mosul (Setting up estimating statements ,designing projects , Supervising for executing projects , giving consultants for governments offices) • Head of training branch (computer center) in the college.

	<ul style="list-style-type: none"> • Lecturer in Building and Construction Engineering Technology department teaching (analysis and design of concrete structures , programming, computer principles , engineering drawing ,auto cad , Staad pro) • Member in Bureau of Scientific and Advisory Services • Supervising for the construction of a number of buildings(4 sites) • Supervising for the construction of students center building in the college. • Designing and Supervising for the construction of a lectures halls building in the college. • Designing and Supervising for the construction of al-Zewani tower outside the college.
<i>5/2004-5/2005</i>	<p>Projects Manger in Al –Ali for construction & Development company.(UAE)</p> <ul style="list-style-type: none"> • Supervising for the construction of a number of buildings (34 sites). • Setting up estimating statements. • Structural design for several villas and showrooms.
<i>4/2004-4/2004</i>	<p>Projects Manger in Al –Remal group(UAE)</p> <ul style="list-style-type: none"> • Manger of the contractions company in al- Remal group • Supervising a number of projects under Shiekh Zayeed Housing program.

<i>6/2003-4/2004</i>	<p>Head of Engineering department in the administration of religion affairs(IRAQ)</p> <ul style="list-style-type: none"> • Supervising for the construction of a number of buildings related to the administration. • Supervising for the construction of a number of mosques & rehabilitation for the damaged. • Setting up estimating statements. • Participating in tenders committees , estimating committees & constructions committees. • Project manger for constructing the administrations library with the cooperation of ACDI-VOCA human organization. • Design of a water pump station in al- qaeem city. • Supervising for executing Tikrit gate rlated to al-Shalal construction company. • Supervising for executing a water pump station in Tal-Afar related to al-Shalal constructive company. • Executing governments buildings related to al mysoor construction company.
<i>5/2002-5/2003</i>	<p>Consultant Engineer in the field of structural design &analysis(IRAQ)</p> <ul style="list-style-type: none"> • Contract with the genral company for electrical projects as a consultant engineer.
<i>10/2002-5/2002</i>	<p>Lecturer in the engineering college / Al-Mustasiryai university for a number of classes: (IRAQ)</p> <ul style="list-style-type: none"> • Structures, concrete design, mathematics, steel design, estimating.
<i>7/2001-2/2002</i>	<p>Site engineer in Al- tanasuq Engineering company. (IRAQ)</p> <ul style="list-style-type: none"> • Supervising for a number of sites inside & outside Mosul city. • Estimating statements • Fesible studies.

12/2000-6/2001	<p>Site engineer in al-Abraj Engineering company. (IRAQ)</p> <ul style="list-style-type: none"> • Supervising for rehabilitating al- Batool hospital with the cooperation of red crescent organization in Baghdad. • Supervising for maintenance work in Ibn Sina hospital in Mosul.
6/2000-12/2000	<p>Supervision engineer in the ministry of defense/works section/ Qadisya Airbase. (IRAQ)</p> <ul style="list-style-type: none"> • Supervising for rehabilitating airport base. • Setting up the estimating statements for the structural works in the base. • Maintenance of the service buildings related to the base. • Supervision for executing the airport research centre I the base.
1/2000-5/2000	<p>Executive engineer in al-Aseel Engineering company(IRAQ).</p> <ul style="list-style-type: none"> • Supervising on a number of buildings & projects related to the thermal Baiji station.
9/1999-1/2000	<p>Site engineer in al –Enshae Engineering company. (IRAQ)</p> <ul style="list-style-type: none"> • Executing apartments ,luxurious houses, restaurants &factories.

Computer Skills

Microsoft Office 2016 .

Mat Lab

SPSS

Minitab 17

Stepwise

Visio

Computer Languages

- * *APDL language.*
- * *Fortran Power Station*
- * *Visual Basic language*

Structural Analysis & Design Software

- * *ANSYS*
- * *STAAD Pro.*
- * *PROKON*
- * *SAFE*
- * *SAP2000*
- * *P FRAME*
- * *CONCAD*
- * *ROBOT*
- * *Etabs*

2D & 3D Design Software

- * *AutoCAD 2013.*
- * *3D home design .*
- * *Grapher*
- * *Adobe Photoshop*
- * *Surfer*
- * *UCL Depthmap*
- * *Turbo Floorplan*
- * *Inventor*

Published Work :

1. M.Sc. Thesis (Strength and Behavior of Multi – Layered Beams with Unequal Length Components) , submitted to Al- Mustansiryea University supervised by Prof. Dr. Riyadh Al-Ameri, Senior Lecturer at Deakin University.
2. 3D finite element modelling for composite box girder bridge, 2nd international Balkans conference on challenges of civil engineering, Epoka University, May 2013, Tirana , Albania.
3. Strengthening and rehabilitation of archaeological structures) Ziouani minara in Mosul as specimen --in Arabic تدعيم وإعادة تأهيل المنشآت الأثرية منارة الزيواني انموذج , 12th Arab structural engineering conference-university of Tripoli- December 18, 2013.




4. FE Analysis of Stresses in Composite Box Girder Bridges, International Civil Engineering & Architecture Symposium for Academicians 2014 (ICESA2014), May 18, 2014.
5. A New Formulation for Shear Strength of Reinforced Concrete T-Beams Using Stepwise Regression, International Civil Engineering & Architecture Symposium for Academicians 2014 (ICESA2014), May 17, 2014.
6. 3D Modelling of Shear Connector behaviour with Partially Interaction, 11th International Congress on Advances in Civil Engineering, ACE2014; 09/2014, Istanbul, Turkey.
7. 3D FE modeling considering shear connectors representation and number in CBGB, Steel and Composite Structures 09/2014; 17(3):237. DOI:10.12989/scs.2014.17.3.237.
8. Effects of Dimensional Details on Behaviour of Composite Box Girder Bridges, Istanbul Bridge Conference 2014; 08/2014, Istanbul, Turkey.
9. Ph.D. Thesis ‘Modelling and Analysis of Interface in Composite Box Girder Bridges’ submitted to Gaziantep Univesity.
10. 3D FE Analysis of Shear Connector with Partial Interaction, ICE Proceedings Structures and Buildings 09/2015.
11. 3D FE Modelling of the Truck load on Bridge Roads, , 27th Arab Engineering Conference 03/2016, Manama, Kingdom of Bahrain.

Work In Preparation :

1. The Dependence of shear Lag on Partial Interaction in Sandwich Beams.
2. Partial Interaction Between Elastically Connected Elements of a Sandwich Beam.
3. Effect of Layer Length on Deflection in Composite Structure.
4. Behavior Of A Three Layered Beam Under Impact Loading.
5. support and rehabilitate of old ancient buildings.
6. Buildings Rehabilitation Using Composite Structures.
7. Numerical Analysis of Glued Laminated Timber with Unequal Lengths Components.

8. Effects of nesting cross section parameters on behaviour of composite box girder bridges.
9. 3D FE Modelling of haunch composite box girder bridges.
10. FE Analysis for stresses in haunch box girder bridges.
11. Effects of haunch ratio with combination variations in cross section parameters on composite box girder bridges
12. Effects of Layer length on deflection in sandwich beams.
- 13 . Numerical analysis of multi layered beam with unequal lengths components.
14. Slip and deflection calculations for laminated timber beams connected by nails.
15. Modelling the rehabilitation of composite beams with concrete mix additives.
16. 3D modeling of the strengthening and retrofitting of aging bridges.
17. 3D FE Modelling of truck load in Road bridges.
18. التنظيم الفضائي للبيوت التراثية في حي المصلى في كركوك

Memberships

Member of Iraqi Engineers Union.(IEU).	
Member of Federation of Arab Engineers (FAE).	
Iraq Representative of The International Association for Bridge and Structural Engineering (IABSE)	

Courses Attended

1/6/1997-1/9/1997

Course on dealing with rehablation of old buldings, Mosques in Mistory of islamic affairs .

1/6/1998-1/9/1998

Structural Analysis Course in the Dept. of Computer Science in Mosul University.

16/6/2001-21/6/2001

Microsoft Windows2000 & Operating System Essentials.

24/6/2001-5/7/2001

AutoCAD Course in the Dept. of Mechanic Engineering in Mosul University.

14/7/2001-19/7/2001

Drawing Engineering Course in the Dept. of Architectural Engineering in Mosul University.

21/7/2001-26/7/2001

Methods of teaching Course in the Dept. of Civil Engineering in Mustansiryea University.

18/8/2001-23/8/2001

Designing and Analysis of Structures – course in al-techani office in Baghdad.

Languages

Arabic *Native language*

English *Fluent*

Turkish *Fluent*