



# Dr. MEERVAT ALTAIE

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Faculty Member

**Affiliation:** College of Engineering-University of Baghdad

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📄 <https://scholar.google.com/citations?user=HaxPR48AAAAJ&hl=en>

## > ABOUT ME

I have a responsibility to seek the truth and state the truth, as I see it, within my area of specialization. This responsibility is reflected in my teaching, research and service activities.

## > Current Occupation

- **Faculty member / Assistant professor - Civil Department -College of engineering / University of Baghdad**
- **Head of Quality assurance and Academic Performance Department-College of Engineering / University of Baghdad**

## > SKILLS

Skilled in AutoCAD, Microsoft Office , Multi Criteria Techniques, Quality Control Methods and Project Estimations Methods.

Strong education professional with a Ph.D. management construction/civil engineering focused in civil engineering/management construction especially in investment contracts from 2007 till now.

## > EDUCATION

### ▪ **PhD DEGREE CONSTRUCTION MANAGEMENT 2010-2015**

*Dissertation:* "Optimal selection of investment and traditional contracts for infrastructure projects in Iraq". Civil Department -College of Engineering / University of Baghdad

### ▪ **MSc DEGREE CONSTRUCTION MANAGEMENT 2004-2007**

*Thesis:* " cost management and planning in construction projects ".Civil Department - College of Engineering / University of Baghdad.

### ▪ **BACHELOR DEGREE CIVIL ENGINEERING 1991-1995**

Bachelor Degree in Civil Department, College of Engineering / University of Baghdad

## *CV SECTION 1: Employment History*

### **Work Address:**

- Civil Department / College of Engineering /Baghdad University/ Ministry of Higher Education and Scientific Research at AL – Jadriaa , Baghdad, Iraq.
- Quality assurance and Academic Performance Department Section / College of Engineering /Baghdad University/ Ministry of Higher Education and Scientific Research at AL –Jadriaa, Baghdad, Iraq .

### **Current position (location, dates of employment, professional title, and responsibilities:**

- Civil Department / College of Engineering /Baghdad University/ Ministry of Higher Education and Scientific Research, 8/6/1996, Faculty member, Assistant professor. Practicing and lecturing.
- Quality assurance and Academic Performance Section/College of Engineering/ Baghdad University , 4/5/2015,Head of Quality assurance and Academic Performance Section,

### **Previous positions (in chronological order: location, dates of employment, professional title, and responsibilities:**

- Civil Department / College of Engineering /Baghdad University/ Ministry of Higher Education and Scientific Research, 8/6/1996, Demonstrator.
- Civil Department / College of Engineering /Baghdad University/ Ministry of Higher Education and Scientific Research, 29/10/2007, Faculty member, Assistant Lecturer. Practicing and lecturing.
- Civil Department / College of Engineering /Baghdad University/ Ministry of Higher Education and Scientific Research, 15/7/2015, Faculty member, Lecturer. Practicing and lecturing.
- Civil Department / College of Engineering /Baghdad University/ Ministry of Higher Education and Scientific Research, 16/9/2018, Faculty member, Assistant professor. Practicing and lecturing.

## *CV SECTION 2: Publications/Scholarly Record*

### **A detailed list of publications (journal articles, books, chapters, exhibitions), including the name of the publication, title of work, date of publication, and page numbers:**

1. Master thesis "cost management and planning in construction projects". Baghdad University, Collage of Engineering, Civil Department, Construction Management, 2007.
2. Ph.D. Thesis "Optimal selection of investment and traditional contracts for infrastructure projects in Iraq". Baghdad University, Collage of Engineering, Civil Department, Construction Management, 2015.
3. Cost management and planning in construction projects) , journal of engineering 15 (2009), 775-799.2009.
4. Paving the way for public private partnership for infrastructure projects in Iraq), Journal of Engineering 20 (December 20 /2014), 33-60, 2014.
5. Exploring the Factors Affecting the Elemental Cost Estimation with Relationship Analysis Using AHP, Journal of Engineering 22 (Number 8), 1-13, 2016
6. Optimal Indicators to Select the Engineering Consultancy Office for Higher Education Institutions in Iraq, journal of Engineering 23 (9), 45-63, 2017

7. Optimal Responsibility in Causing Delay for Construction Projects in Iraq by Using ANP Technique, international journal of science and research 7 (1), 1666-1667, 2018.
8. Using Neural Network Model to Estimate the Optimum Time for Repetitive Construction Projects in Iraq, Association of Arab Universities Journal of Engineering Sciences 25 (5), 100-114, 2018, 2018.
9. Determining the Causes of Punching Shear in Reinforced Slabs Using Fishbone Diagram, Civil Engineering Journal 4, 2642, 2018.
10. Optimal Alternatives to Solve the Problem of Random Housing Using ANP. AUS 26(2):368-381, November 2019
11. Identifying and analyzing the gap by reviewing the readiness of engineering programs at the College of Engineering - University of Baghdad, 10<sup>th</sup> International Arab Conference on Quality Assurance in Higher Education - Zarqa University, IACQA'2020,accepted.
12. Developing Systems Engineering for Sustainable Infrastructure Projects. International Conference on Geotechnical Engineering-Iraq IOP Conf. Series: Materials Science and Engineering 901 (2020) 012026 IOP Publishing doi:10.1088/1757-899X/901/1/012026
13. Application of Nanotechnology in Iraqi Construction Projects ,International Conference on Geotechnical Engineering-Iraq IOP Conf. Series: Materials Science and Engineering 901 (2020) 012019 IOP Publishing doi:10.1088/1757-899X/901/1/012019
14. Regulations of Construction Suppliers in Iraq: Through Sustainability Standards, International Conference on Geotechnical Engineering-Iraq ,E3S Web of Conferences 318:02001 318 (E3S Web Conf.), 1-9, EDP Sciences, January 2021.
15. Investigation the Opportunity of BIM with Agile Management Approach in Iraqi Construction Projects, International Conference on Geotechnical Engineering-Iraq ,E3S Web of Conferences 318:02001 318 (E3S Web Conf.). EDP Sciences, January 2021.
16. Determine The Most Common Geotechnical Risks and their impact on the cost and schedule time When Implementing Centralized Water Treatment Projects In Iraq, International Conference on Geotechnical Engineering-Iraq . March 20, 2021.
17. Impact of Project Delivery Method on Geotechnical Site Conditions for Implementing Water Treatment Plants in Iraq, 8th Engineering and 2nd International Conference for College of Engineering - University of Baghdad 24 - 25 November 2021
18. Facts of Investment and Infrastructure projects in Iraq. A study submitted to the Ministry of Planning, 2015.
19. Roles of public private partnership to enhance economic growth in Iraq , A study submitted to the Iraqi Institute for Economic Reform (IIER).2016.
20. Application of public private partnership contracts in Iraq , A study submitted to the Ministry of Planning, 2016.

**Other researches (not published) :**

1. Cost management and planning by using MS project for construction in Iraq. Baghdad University, Collage of Engineering.2008
2. Critical success factors in public private partnership contracts in Iraq ,2014
3. Analytical Network Process (ANP) to select the suitable investment contracts. Baghdad University, Collage of Engineering.2015.
4. Risk management in Investment Contracts for Construction Projects, Baghdad University, Collage of Engineering. 2015.

5. Applying Building Information Modeling (BIM) for construction Management projects in Iraq. Baghdad University, Collage of Engineering. 2016
6. Modern Construction Management Projects by Using the Earned Value. Baghdad University, Collage of Engineering.2016
7. Best Indicators for Sustainability of Construction Projects in Iraq, Baghdad University, Collage of Engineering.2017.
8. The Mitigation of geotechnical risk in Iraq,2019.
9. Sustainable performance criteria for construction method selection in concrete building(field survey),2019.
10. Identification of threats and opportunities that facing the rehabilitation of bridges in liberated areas in Iraq in tendering phase ,2020
11. Practice of Facilities Management in Iraqi Construction Companies,2020
12. Using ANP to predict rheological properties of self-compacting concrete, 2020.
13. Analytical Hierarchy Process for identifying the challenges of post-disaster reconstruction projects in Iraq.2021.
14. The Level of Readiness of Baghdad Hospitals in Application and Availability of Preventive Measures to Reducing Fire Accidents.2021
15. Investigating Failure Factors for Residential Complexes Projects.2021

### ***CV SECTION 3: EVIDENCE OF TEACHING AND ADVISING EFFECTIVENESS***

**Relevant academic work (including supervision of Master's and Ph.D. theses, conference presentations, grants /professional affiliations:**

**A) PHD**

1. Optimizing the funding methods for infrastructure financing in Iraq. Civil department, Collage of Engineering- University of Baghdad ,Alaa Mahdi,2020
2. Applying Agent-Based modeling for Construction Risk Management in Iraq, Civil department, Collage of Engineering- University of Baghdad, Esraa yasin,2020.
3. Post-evaluation of construction projects in Iraq. Civil department, Collage of Engineering- University of Baghdad, Imaad Issa,2021.

**B) MSC**

1. Affordable residential complexes to solve random building problems in Baghdad" . Civil department, Collage of Engineering- University of Baghdad, jihan maan salih.2017.
2. Managing system engineering approach for sustainable infrastructure projects". Civil department, Collage of Engineering- University of Baghdad ,Khamal Riyadh obaid,2018
3. Impact of nanotechnology in implementation of Iraqi construction projects". Civil department, Collage of Engineering- University of Baghdad ,Maha walhan jomaa,2018

4. Building information modeling with agile management approach, Master thesis. Civil department, Collage of Engineering- University of Baghdad, Ghassan Ali Ahmed ,2019
5. Regulation of Supplier Criteria in Iraq: through contracts and sustainability standards, Civil department, Collage of Engineering- University of Baghdad, Bariq wifad .2019
6. Identification of threats and opportunities that facing the rehabilitation of bridges in liberated areas in Iraq in tendering phase, Civil department, Collage of Engineering- University of Baghdad, Marwa Makki,2020
7. Geotechnical risk decision to alternative delivery method selection for central water treatment projects, Civil department, Collage of Engineering- University of Baghdad, Ahmed jasim,2020.
8. A hypothetical structural model for assessing hospitals building maintenance success in Iraq. Civil department, Collage of Engineering- University of Baghdad, Israa Mahdi,2021.

**C) B.ENG**

1. Cost management and planning by using MS project for construction in Iraq. Baghdad University, Civil department, Collage of Engineering- University of Baghdad.2008
2. Critical success factors in public private partnership contracts in Iraq , Civil department, Collage of Engineering - University of Baghdad,2014
3. Analytical Network Process (ANP) to select the suitable investment contracts. Baghdad University, Civil department, Collage of Engineering- University of Baghdad.2015.
4. Risk management in Investment Contracts for Construction Projects, University of Baghdad, Civil department, Collage of Engineering- University of Baghdad. 2015.
5. Applying Building Information Modeling (BIM) for construction Management projects in Iraq. Baghdad University, Civil department, Collage of Engineering- University of Baghdad. 2016
6. Modern Construction Management Projects by Using the Earned Value. Baghdad University, Civil department, Collage of Engineering- University of Baghdad.2016
7. Best Indicators for Sustainability of Construction Projects in Iraq, Baghdad University, Civil department, Collage of Engineering- University of Baghdad.2017.
8. The Mitigation of geotechnical risk in Iraq, Civil department, Collage of Engineering- University of Baghdad, 2020.
9. Sustainable performance criteria for construction method selection in concrete building(field survey), Civil department, Collage of Engineering- University of Baghdad ,2020
10. Bidding Strategy on Project Construction Performance (field survey), Civil department, Collage of Engineering- University of Baghdad ,2021.
11. Integrating Intelligent Building Technologies for Fostering Sustainability. Collage of Engineering- University of Baghdad ,2021.

**Academic Activities:**

1. Workshop on standard documents for tenders for consulting services for the period 4th-5th October 2021, USAID, IGPA-Takamul .

2. Workshop on standard documents for tenders for consulting services for the period 19-21 November 2020, USAID, IGPA-Takamul and Ministry of Planning
3. Workshop on standard documents for tenders for consulting services for the period 7 - 9 March 2020, USAID, IGPA-Takamul and Ministry of Planning
4. Discussion of Public Private Partnership law in Iraq ,workshop Iraqi Parliament council .USAID, IGPA-Takamul, 24/ September /2019.
5. Quality management systems internal auditor training course (based on ISO 9001:2015 standard),Bureau varietals Certification,10-14 /march/2019
6. Special workshop to prepare Standard bidding documents of small and medium works, USAID, IGPA-Takamul,24-26/ December./2018.
7. Special workshop to prepare standard bidding documents for small and medium businesses for the period 2- 4 July 2018 , USAID, IGPA-Takamul and Ministry of Planning
8. Applying MS Project in investment projects in Iraq ,course submitted to the employers of Ministry of Higher Education and Scientific Research, reconstruction and projects directorate project department, 22-24/December/2018.
9. Intensive training program. Economic and Social Sciences organized by the center for Iraq studies (CIS) at the Fried Rich-Alexander University Erlangen Nurnberg. Germany 2017.
10. Applying of the international standards ISO 17025 and GLP course, Higher Education and Scientific Research and Baghdad university,1-3/February/2016.
11. Quality and Accreditation of laboratories course, Higher Education and Scientific Research and Baghdad University,20-22/ December /2015.
12. Second meeting of the Project Working Group of its Iraq Project on 16 February 2015 in Paris “the conference Improving the business and investment climate in Iraq” in OECD, held by MENA-OECD Investment Program ,Paris, France, 2015.
13. Exchange scientific program in Swinburne university within the faculty of science engineering and technology from (14 September) to ( 29 September) . Melbourne, Australia, 2015.
14. Two workshops set up by UNESCO in Cooperation with the network of Iraqi scientists abroad (NISA) within the program of developing higher education system in Iraq for the period from 22- 25 / November / 2015 in Amman – Jordan.
15. Summer intensive course (july17-29) of the CIS intensive training program. Economic and Social Sciences organized by the center for Iraq studies (CIS) at the Fried Rich-Alexander University Erlangen Nurnberg. Germany 2017.
16. Seminars and workshops in ministry of planning, university of Baghdad and college of engineering and higher education and scientific research in MS project, investment environment, the role of PPP’s in Iraq, earned value, risk mitigation ,quality assurance and quality control in Academic Performance ...etc.

### **Courses:**

The following are courses that obtained during the study of master and PhD stages in the University of Baghdad / College of Engineering – Civil department:

- 1- Quality management.

- 2- Human resources management.
- 3- Feasibility study.
- 4- Plant management
- 5- Advanced statistics.
- 6- Construction contracts management.
- 7- Design implementation management (I).
- 8- Design implementation management (II).
- 9- Cost account.
- 10- Work studies.
- 11- Optimization and Operation management.
- 12- Advanced operation research
- 13- Sustainable engineering.
- 14- Advanced contracts management.
- 15- International construction markets.

### **Lecturing**

Lecturing the following subjects:

- 1-Sustainability in Construction engineering / master degree (Construction Management/ civil Department)
- 2-Sustainability in Geotechnical engineering / PhD degree (Geotechnical and foundation / civil Department)
- 3-Building Maintenance Management / PhD degree (Construction Management/ civil Department)
- 4-Construction management / master degree (Construction Management/ civil Department)
- 5-Value management / master degree (Construction Management/ civil Department)
- 6-Quality management /master degree (Construction Management/ civil Department)
- 7-Safety in construction projects / master degree (Construction Management/ civil Department)
- 8-Economic in engineering. ( Under Graduate)
- 9-Engineering Management and planning in construction. ( Under Graduate)
- 10- Estimation in construction projects. ( Under Graduate)
- 11- Statistical in engineering. ( Under Graduate)
- 12- Engineering drawing in construction. ( Under Graduate)
- 13- Engineering applications software (MS projects, primavera). ( Under Graduate)
- 14- Transportation and pavement materials laboratory. ( Under Graduate)
- 15- Soil investigations laboratory. ( Under Graduate)

### **EXPERTISE**

- 1- Expert member in the World Bank , participated the last questionnaire about the investment environment in Iraq 2016 and 2017.
- 2- Expert member in Iraqi Institute for Economic Reform (IIER),till know
- 3- Expert in using: Microsoft Office, AutoCAD, SPSS, ANP, AHP,ANN, MS Project, STAAD Pro.
- 4- IC3 2005 Standard computing fundamentals/Iraqi ministry of higher education, 2010.
- 5- IC3 2005 Standard Key Application/Iraqi ministry of higher education, 2010.
- 6- IC3 2005 Standard Living Online/Iraqi ministry of higher education, 2010.
- 7- TOFFEL ITP, passing in high score, 2010(PHD).
- 8- Successfully passed the English language test required for enrollment in postgraduate studies in Iraqi universities, 1998.
- 9- PhD and Master Students Supervising, 2015 till now.
- 10- Under graduate Student Training committee member, 2005 till now.